AERIALLY DEPOSITED LEAD ASSESSMENT

State Route 99/120 Interchange Manteca, California

Prepared by:

BLACKBURN CONSULTING 2491 Boatman Ave West Sacramento, CA 95691

February 2018

Prepared for:

Mark Thomas & Company, Inc. 7300 Folsom Blvd., Suite 203 Sacramento, CA 95826



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Geotechnical • Geo-Environmental • Construction Services • Forensics

File No. 2998.X February 7, 2018

Mr. Garry Horton Mark Thomas & Company 7300 Folsom Blvd., Suite 203 Sacramento, CA 95826

Subject: AERIALLY DEPOSITED LEAD (ADL) ASSESSMENT REPORT State Route 99/120 Interchange Improvement Project Manteca, California

Dear Mr. Horton,

Blackburn Consulting (BCI) completed this Aerially Deposited Lead (ADL) Assessment report for the State Route 99/120 Interchange Improvement Project, located in Manteca, California.

This report includes a brief description of the project, scope of our ADL assessment, analytical methods, findings, conclusions, and recommendations regarding the occurrence of ADL within the project limits.

BCI appreciates this opportunity to be on your team. Please call if you have questions or require additional information.

Sincerely,

BLACKBURN CONSULTING

Ryan Schmidt Project Engineer

Jason Paul, PG Senior Project Manager

AERIALLY DEPOSITED LEAD ASSESSMENT REPORT SR 99/120 INTERCHANGE IMPROVEMENT PROJECT

Manteca, California

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1. INTRODUCTION

Blackburn Consulting (BCI) prepared this Aerially Deposited Lead (ADL) Assessment Report for the State Route 99/120 (SR 99/120) Interchange Improvement Project located in Manteca, California. BCI assessed the presence of ADL in surface and shallow subsurface soil within areas of the project corridor anticipated to be disturbed by the planned improvements. This assessment evaluates whether impacts due to ADL will require mitigation recommendations for construction and/or additional testing.

BCI prepared this report for Mark Thomas & Company (MTCo) to use during planning and construction. Do not use or rely on this report for different locations or improvements without the written consent of BCI.

2. PROJECT LOCATION AND DESCRIPTION

The project is located along State Route 99 (SR 99) from approximately 2,000 feet north of the SR 99/120 Interchange to approximately 8,000 feet southeast of the Austin Road overpass, and along State Route 120 (SR120) from the SR 99/120 Interchange to approximately 1,000 feet west of the South Main Street overpass. The project area includes on-ramps, off-ramps, and frontage roads in the vicinity of the SR 99/Austin Road interchange and the on- and off-ramps at the SR 99/120 Interchange. Figure 1 presents the Vicinity Map.

2.1 Potential for ADL in Soil

Soil testing along roads heavily traveled prior to1987 indicates that ADL may be present in the surface soil of the unpaved shoulders. The lead is attributed to emissions from vehicles powered by internal-combustion, leaded-gasoline engines. Along roads where the shoulder subgrade has not been disturbed, the presence of ADL is generally limited to the upper twenty-four inches. Lead concentrations typically drop rapidly with increased depth below the ground surface. The SR 99/120 Interchange was constructed prior to 1987; therefore, the potential for ADL exists.

3. SCOPE OF WORK

To prepare this assessment, BCI completed the following tasks:

- Prepared a Sampling Workplan and site-specific Health and Safety Plan.
- Prepared a map of the proposed ADL sample locations based on the project limits provided by MTCo.
- Sampled forty-four (44) locations along the unpaved shoulders of the proposed alignments including on-ramps, off-ramps, and frontage roads in the vicinity of the SR 99/Austin Road interchange and the on- and off-ramps at the SR 99/120 Interchange.
- Collected one hundred thirty-one (131) soil samples from forty-four (44) locations within the project limits.

- Submitted one hundred thirty-one (131) soil samples for laboratory analysis of total lead, soluble lead and/or pH.
- Reviewed analytical results.
- Performed statistical analysis of the analytical data set.
- Prepared this report.

4. SAMPLE SUMMARY

BCI obtained samples from forty-four (44) hand auger boring locations along the unpaved shoulders of the proposed alignment including on-ramps, off-ramps, and frontage roads in the vicinity of the SR 99/Austin Road interchange, and the on- and off-ramps at the SR 99/120 interchange. Boring locations were within five to ten lateral feet of the existing pavement edge, and within areas anticipated to be disturbed by the planned construction activities.

One deviation to the Sampling Workplan occurred. BCI proposed to collect soil samples from forty (40) sample locations; however, in May 2017, the project limits were extended to include additional roadway. The modified project limits included an increased area of impact which required four (4) additional sample locations.

We summarize sample collection, subsurface soil conditions, and laboratory analysis in the following sections. Figure 2 shows the approximate sample locations.

4.1 Sample Collection

BCI attempted to collect soil samples from forty-four (44) hand auger boring locations at three (3) depth intervals: zero to six (0-6") inches, twelve to eighteen (12-18") inches, and twenty-four to thirty (24-30") inches below ground surface (bgs). Specifically, BCI:

- Collected soil samples within forty-four (44) hand auger borings from zero to six (0-6") inches and twelve to eighteen (12-18") inches bgs.
- Collected soil samples within forty-three (43) hand auger borings from twenty-four to thirty (24-30") inches bgs. At sample location ADL-34, BCI encountered refusal from underlain paving/concrete below the second depth interval at approximately twenty (20") inches bgs.
- Transferred samples into glass jars, labeled with the sample time, date, location, depth, and the sampler's initials.
- Cleaned sampling equipment between each sample by washing with an Alconox solution followed by rinsing with distilled water.
- Placed sample containers in a cooled ice chest, and delivered to SunStar Laboratories, a California certified analytical laboratory, under continuous chain-of-custody documentation.
- Backfilled borings with excess cuttings and discharged wash and rinse water to the ground surface at the boring locations.

4.1 Subsurface Soil Conditions

BCI observed subsurface soil conditions throughout the sampling process. Embankments near the SR 99/120 Interchange contained a layer of sandy lean clay in the upper six (6") inches of soil. From six (6") inches to the deepest observed depth of thirty (30") inches, the soil consisted of Poorly Graded Fine Sands with very little clay content and moisture. In areas extending further than one hundred (100') feet from the SR 99/120 Interchange, the soil from zero to thirty (0-30") inches was uniformly poorly graded fine sands with little to no clay content or moisture.

4.2 Sample Analysis

BCI submitted one hundred thirty-one (131) soil samples to SunStar Laboratories for the following analysis:

- One hundred thirty-one (131) samples were analyzed for total lead using EPA Test Method 6010B. Eight (8) samples exhibited total lead concentrations exceeding 50 milligrams per kilograms (mg/kg) and were therefore selected for further testing. The 50 mg/kg threshold is considered the minimum total lead concentration that can potentially result in a Soluble Threshold Limit Concentration (STLC)¹ of 5 milligrams per liter (mg/l) due to a 10-fold dilution of the sample for the STLC test.
- Eight (8) samples selected for further testing were analyzed for soluble lead using the Waste Extraction Test (WET) procedure and EPA Test Method 6010B.
- Four (4) randomly selected samples were analyzed for pH using EPA Method 9045.

The laboratory performed Quality Assurance/Quality Control (QA/QC) procedures for each method of analysis. Laboratory QA/QC procedures include: 1) Method Blanks, 2) Duplicate Samples, and 3) Spiked Samples. A copy of the laboratory report and chain-of-custody document is included in Appendix B.

5. ANALYTICAL RESULTS

We summarize the analytical test results in Table 1 presented in Appendix A.

Test results indicate the following:

- Total lead concentrations range from below the detection limit of 5.0 mg/kg to 390 mg/kg with an average detected concentration of 37.1 mg/kg.
- No reported sample concentrations exceed the TTLC of 1,000 mg/kg.
- Eight (8) samples exhibited total lead in excess of 50 mg/kg (i.e. ten times higher than the STLC of 5.0 mg/l) and were further tested for soluble lead by the WET method. Soluble lead concentrations were found in all eight (8) samples ranging from 0.56 mg/l to 8.1 mg/l. Three (3) samples exceed the STLC of 5.0 mg/l.
- Results of the four (4) pH tests range from 6.3 to 8.1 with an average pH of 6.95 (close to neutral).

¹ STLC is a regulatory limit defining hazardous waste in California

6. STATISTICAL ANALYSIS

BCI performed statistical analysis of the ADL sample data using ProUCL 5.0 software to calculate the sample mean (average) as well as the 95% Upper Confidence Limit (UCL) on the mean. Much of the ADL data is skewed to lower concentrations and does not fit a standard distribution pattern; therefore, BCI calculated UCLs using non-parametric and lognormal techniques that do not require data to have a specific distribution. Appendix C presents statistical analysis calculations performed by ProUCL 5.0.

6.1 Total Lead

We analyzed groups of data based on sample depth. Table 2 summarizes the total lead results for each sample depth interval, as well as the combined interval (0-30"). The combined interval (0-30") provides information on the sample population as a whole. Sample ADL-26B, with a total lead concentration of 390 mg/kg, was identified as a statistical outlier (as determined by the ProUCL software) and removed from the data set to provide a more representative statistical analysis.

TABLE 2: Total Lead Statistical Summary by Depth Interval All Sample Locations					
Soil Depth Interval (inches bgs)Detection Range* (mg/kg)All Sample Locations Mean (mg/kg)All Sample Locations 95% UCL (mg/kg)					
0 - 6"	ND to 130.0	35.31	43.6		
12 – 18"	ND to 41.0**	21.43	13.69		
24 - 30"	ND to 53.0	30.0	12.74		
0 – 30"	ND to 130.0**	30.02	22.64		

BCI conducted statistical analyses for all sample locations within the project limits. Table 2 presents the ranges of lead concentrations, average lead concentrations, and 95% Upper Confidence Limits (UCLs) for each depth interval.

* ND = Not detected at a reporting limit of 5.0 mg/kg

** Outlier ADL-26B removed from data set.

Based on the mean and 95% UCL values shown in Table 2, the highest concentration of lead is located at the 0-6" sample interval. However, the total lead concentrations and the 95% UCL for all groups are well below the 1,000 mg/kg TTLC for lead.

6.2 Soluble Lead

Soluble lead testing was performed on eight samples by the WET method. Statistical modeling was utilized to analyze the WET data.

Since lead solubility (WET) testing was limited to the eight samples with total lead concentrations that exceeded 50 mg/kg, an upward bias in solubility results is introduced. We therefore performed a linear regression analysis to predict the 95% UCL for WET solubility and reduce the effect of the biased sample populations. For the regression analysis, we consider seven data points (ADL-26B was determined to be an outlier and removed from the sample population) and define the intercept to occur at the origin. The calculated multiple "r" correlation coefficient is 0.81 which indicates that the correlation between the total and soluble lead data sets is acceptable.

The WET data regression equation is calculated to be:

y = 0.0529(x) for all sample locations

Where:

y = soluble lead concentrations in mg/l

x = total lead concentrations in mg/kg

We used the 95% UCL values for total lead in the regression formulas to calculate the predicted WET solubility for the various soil depth intervals shown in Table 3.

TABLE 3: Predicted Lead Solubility						
Soil Depth Interval (inches bgs)	Total Lead Mean (mg/kg)	WET-Soluble Lead Mean (mg/l)	95% UCL Total Lead All Locations (mg/kg)	95% UCL WET-Soluble Lead All Locations (mg/l)		
0-6"	35.31	1.867	43.6	2.306		
12-18"	21.43	1.133	13.69	0.724		
24-30"	30.0	1.587	12.74	0.673		
0-30"	30.02	1.588	22.64	1.198		

The predicted 95% UCL for the samples tested using the WET test are below the STLC of 5.0 mg/l, for all sample locations at each depth interval and combined depth intervals.

The 95% UCLs for WET-Soluble Lead were below the STLC of 5.0 mg/l, therefore, none of the samples were further tested for TCLP solubility.

7. CONCLUSIONS

As of July 1, 2016, management of lead-impacted soil on projects within Caltrans Right of Way (ROW) is governed by the Soil Management Agreement for Aerially Deposited Lead-Contaminated Soils (Agreement) pursuant to Health and Safety Code Section 25187 (b)(5), entered into by the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC), and the California Department of Transportation.

"ADL Contaminated Soil" is defined in the Agreement as excavated soil whose only constituent of concern that poses an unacceptable risk to human health or the environment is lead, in concentrations greater than considered appropriate for unrestricted use by DTSC, which is currently 80 mg/kg total lead based on a 95% upper confidence limit (UCL) and/or 5 mg/l extractable lead based on a 95% UCL, as determined by the WET.

Tested total lead concentrations based on a 95% UCL for sampled depth intervals and sample locations are below the 80 mg/kg threshold for ADL Contaminated Soil.

Tested soluble lead concentrations determined by the WET method and based on a 95% UCL for all soil depth intervals and sample locations are below the 5 mg/l threshold for ADL Contaminated Soil.

The project soil pH averages 6.95 (close to neutral) and ranges from slightly acidic to slightly basic, conditions that do not enhance lead leaching potential. The pH conditions do not impose special soil management considerations related to lead in soil.

7.1 Waste Disposal/Soil Reuse

Comparison of the test results with the soil classifications in the Agreement indicates that for the project area, excavated soil will be characterized as "Clean Soil". Handling and disposition of "Clean Soil" will not be subject to management under the conditions of the Agreement, but will require contractor notification and preparation of a Lead Compliance Plan for worker safety.

8. RISK TO HUMAN HEALTH

Based on the current and proposed land use for the project and surrounding areas, it is appropriate to compare the total lead values to the California Human Health Screening Levels (CHHSL) limits for lead in soil. Total lead concentrations above the CHHSL do not automatically trigger a response action or suggest that a significant risk to human health exists. If the CHHSL is exceeded, it may be appropriate to evaluate potential risks posed by site contaminants.

The CHHSL for total lead is 320 mg/kg for a commercial/industrial exposure scenario. Only one of the one hundred thirty-one (131) ADL sample results exceeded the CHHSL for lead. The average values and the 95% UCLs for all soil depth intervals are all significantly less than the CHHSL. Based on the results of our ADL assessment, we conclude that lead impacted soil within the project limits do not pose a significant health risk to site workers.

9. HEALTH AND SAFETY REQUIREMENTS

The contractor shall conduct all grading operations with the awareness that lead impacted soils are present on the site and conduct all operations in accordance with a specialized soil management plan and applicable Cal/OSHA requirements including a project specific worker Health & Safety Plan (HASP) and Lead Compliance Plan.

10. LIMITATIONS

The accompanying report summarizes the findings and opinions of BCI in accordance with generally accepted environmental engineering principles and practices currently used in Northern California.

Our scope does not include evaluation of other hazardous materials or a determination of their potential presence on the site.

The accompanying report summarizes the findings and opinions of BCI and was prepared for the specific use of our client and applies only to the subject area.

We base the findings and conclusions presented in this report on limited soil sampling and laboratory analyses, and judgment and experience. We are not responsible for interpretations by others of data presented in this report. This report does not represent a legal opinion. No warranty is expressed or implied.

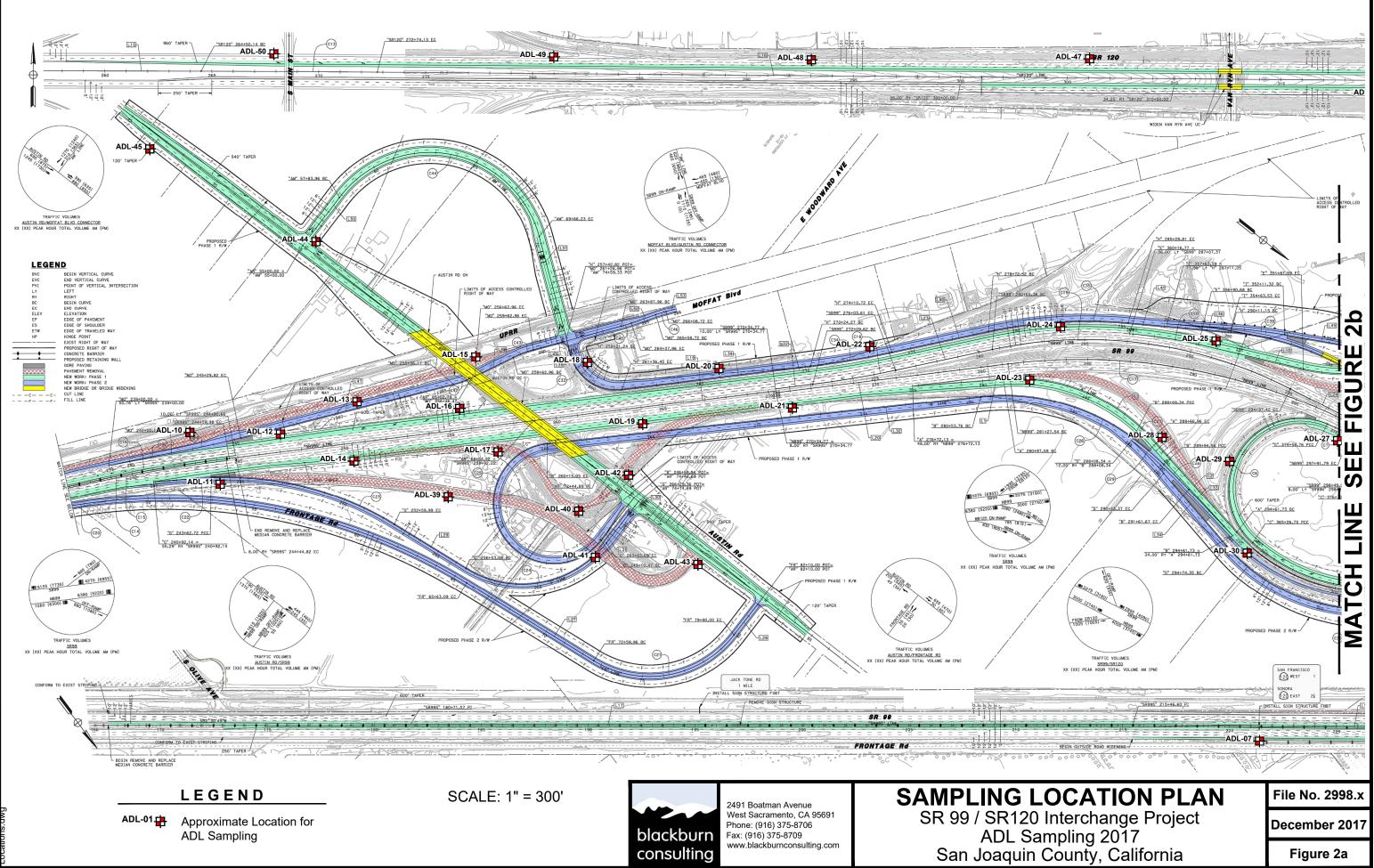
State Route 99/120 Interchange Improvement Project Aerially Deposited Lead (ADL) Assessment

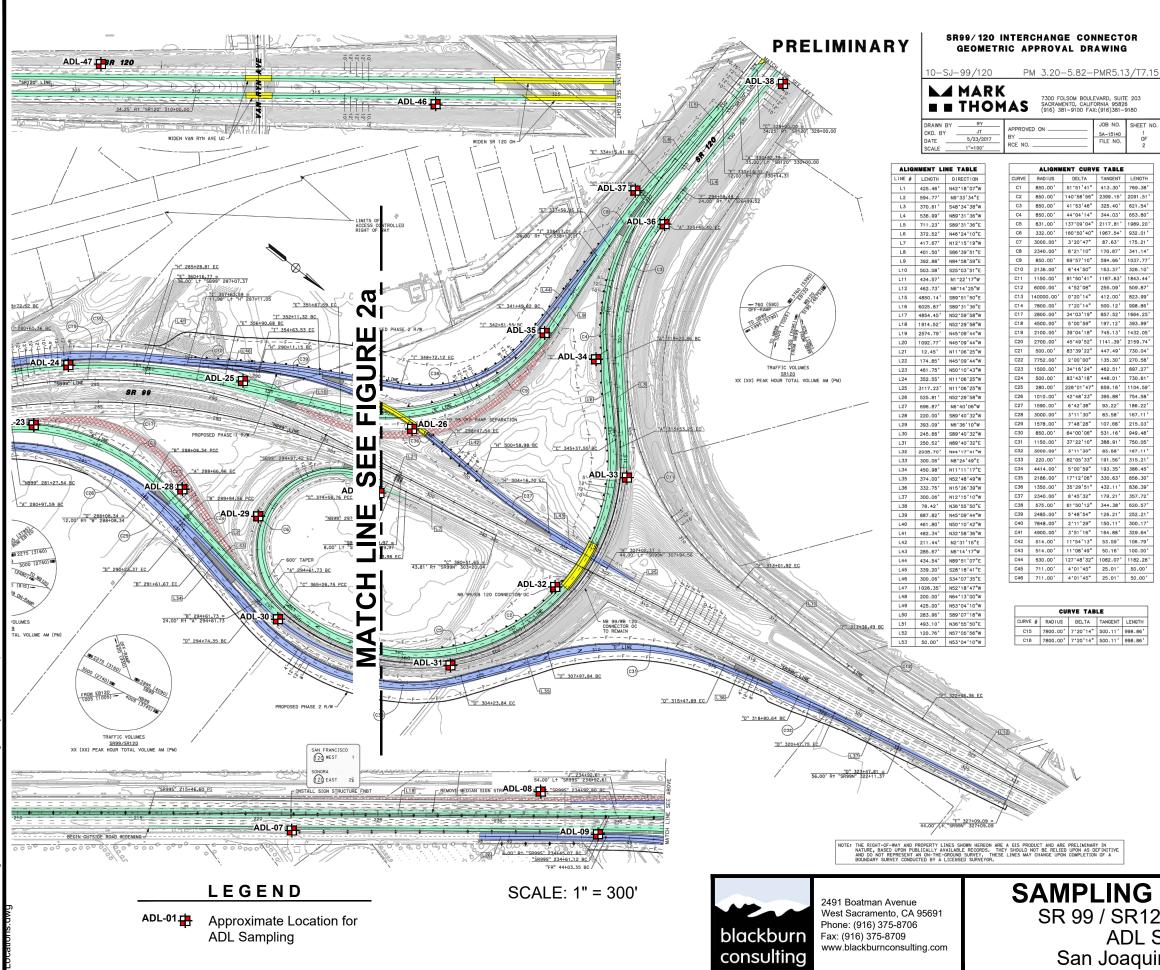
FIGURES

Vicinity Map Sampling Locations









SAMPLING LOCATION PLAN

SR 99 / SR120 Interchange Project ADL Sampling 2017 San Joaquin County, California

File No. 2998.x

December 2017

Figure 2b

State Route 99/120 Interchange Improvement Project Aerially Deposited Lead (ADL) Assessment

APPENDIX A

Analytical Results Summary Table



TABLE 1: Summary of Analytical Results					
Sample #		Soil Depth Interval (inches)	Metals (EPA 6010B) Lead (mg/kg)	STLC Waste Extraction Test (Citric Method) Lead (mg/l)	TCLP Leaching Test Lead (mg/l)
ADL-7	Α	0-6	ND	-	-
ADL-7	В	12-18	ND	-	-
ADL-7	С	24-30	ND	-	-
ADL-8	Α	0-6	92	6.2	-
ADL-8	В	12-18	25	-	-
ADL-8	С	24-30	22	-	-
ADL-9	Α	0-6	17	-	-
ADL-9	В	12-18	ND	-	-
ADL-9	С	24-30	ND	-	-
ADL-10	Α	0-6	81	2.4	-
ADL-10	В	12-18	23	-	-
ADL-10	C	24-30	34	-	-
ADL-11	Α	0-6	26	-	-
ADL-11	В	12-18	ND	-	-
ADL-11	С	24-30	ND	-	-
ADL-12	Α	0-6	24	-	-
ADL-12	В	12-18	16	-	-
ADL-12	C	24-30	16	-	-
ADL-13	Α	0-6	14	-	-
ADL-13	В	12-18	37	-	_
ADL-13	С	24-30	ND	-	-
ADL-14	Α	0-6	130	7.2	-
ADL-14	В	12-18	ND	-	-
ADL-14	С	24-30	ND	-	-
ADL-15	Α	0-6	33	-	-
ADL-15	В	12-18	24	-	-
ADL-15	С	24-30	53	2.9	-
ADL-16	Α	0-6	22	-	-
ADL-16	В	12-18	16	-	-
ADL-16	С	24-30	ND	-	-
ADL-17	Α	0-6	ND	-	-
ADL-17	В	12-18	ND	-	-
ADL-17	С	24-30	26	-	-
ADL-18	Α	0-6	ND	-	-
ADL-18	В	12-18	ND	-	-

TABLE 1: Summary of Analytical Results					
Sample #		Soil Depth Interval	Metals (EPA 6010B)	STLC Waste Extraction Test (Citric Method)	TCLP Leaching Test
		(inches)	Lead (mg/kg)	Lead (mg/l)	Lead (mg/l)
ADL-18	С	24-30	ND	-	-
ADL-19	Α	0-6	78	3.3	-
ADL-19	В	12-18	41	-	-
ADL-19	С	24-30	ND	-	-
ADL-20	Α	0-6	14	-	-
ADL-20	В	12-18	21	-	-
ADL-20	С	24-30	20	-	-
ADL-21	Α	0-6	18	-	-
ADL-21	В	12-18	35	-	-
ADL-21	С	24-30	49	-	-
ADL-22	Α	0-6	12	-	-
ADL-22	В	12-18	ND	-	-
ADL-22	С	24-30	ND	-	-
ADL-23	Α	0-6	15	-	-
ADL-23	В	12-18	ND	-	-
ADL-23	С	24-30	ND	-	-
ADL-24	Α	0-6	ND	-	-
ADL-24	В	12-18	18	-	-
ADL-24	C	24-30	20	-	-
ADL-25	Α	0-6	21	-	-
ADL-25	В	12-18	ND	-	-
ADL-25	С	24-30	ND	-	-
ADL-26	Α	0-6	130	8.1	-
ADL-26	В	12-18	390	3.1	-
ADL-26	С	24-30	ND	-	-
ADL-27	Α	0-6	ND	-	-
ADL-27	В	12-18	ND	-	-
ADL-27	С	24-30	ND	-	-
ADL-28	Α	0-6	13	-	-
ADL-28	В	12-18	ND	-	-
ADL-28	С	24-30	ND	-	-
ADL-29	Α	0-6	52	0.56	-
ADL-29	В	12-18	ND	-	-
ADL-29	С	24-30	ND	-	-
ADL-30	Α	0-6	ND	-	-
ADL-30	В	12-18	ND	-	-

TABLE 1:					
		Summai	ry of Analytical l	Kesults STLC Waste	
Sample #		Soil Depth Interval	Metals (EPA 6010B)	Extraction Test (Citric Method)	TCLP Leaching Test
		(inches)	Lead (mg/kg)	Lead (mg/l)	Lead (mg/l)
ADL-30	C	24-30	ND	-	-
ADL-31	Α	0-6	ND	-	-
ADL-31	В	12-18	ND	-	-
ADL-31	С	24-30	ND	-	-
ADL-32	Α	0-6	26	-	-
ADL-32	В	12-18	ND	-	-
ADL-32	С	24-30	ND	-	-
ADL-33	А	0-6	12	-	-
ADL-33	В	12-18	11	-	-
ADL-33	С	24-30	ND	-	-
ADL-34	Α	0-6	12	-	-
ADL-34	В	12-18	12	-	-
ADL-35	А	0-6	19	-	-
ADL-35	В	12-18	17	-	-
ADL-35	С	24-30	ND	-	-
ADL-36	Α	0-6	15	-	-
ADL-36	В	12-18	ND	-	-
ADL-36	C	24-30	ND	-	-
ADL-37	Α	0-6	ND	-	-
ADL-37	В	12-18	ND	-	-
ADL-37	С	24-30	ND	-	-
ADL-38	Α	0-6	ND	-	-
ADL-38	В	12-18	ND	-	-
ADL-38	С	24-30	ND	-	-
ADL-39	А	0-6	10	_	-
ADL-39	В	12-18	ND	-	-
ADL-39	С	24-30	ND	-	-
ADL-40	Α	0-6	ND	-	-
ADL-40	В	12-18	9.9	-	-
ADL-40	С	24-30	ND	-	-
ADL-41	А	0-6	ND	-	-
ADL-41	В	12-18	ND	-	-
ADL-41	С	24-30	ND	-	-
ADL-42	Α	0-6	ND	-	-
ADL-42	В	12-18	ND	-	-
ADL-42	С	24-30	ND	-	-

TABLE 1: Summary of Analytical Results					
Sample #		Soil Depth Interval	Metals (EPA 6010B)	STLC Waste Extraction Test (Citric Method)	TCLP Leaching Test
		(inches)	Lead (mg/kg)	Lead (mg/l)	Lead (mg/l)
ADL-43	А	0-6	ND	-	-
ADL-43	В	12-18	12	-	-
ADL-43	С	24-30	ND	-	-
ADL-44	Α	0-6	19	-	-
ADL-44	В	12-18	ND	-	-
ADL-44	С	24-30	ND	-	-
ADL-45	Α	0-6	13	-	-
ADL-45	В	12-18	ND	-	-
ADL-45	С	24-30	ND	-	-
ADL-46	А	0-6	ND	-	-
ADL-46	В	12-18	ND	-	-
ADL-46	С	24-30	ND	-	-
ADL-47	А	0-6	ND	-	-
ADL-47	В	12-18	ND	-	-
ADL-47	С	24-30	ND	-	-
ADL-48	А	0-6	ND	-	-
ADL-48	В	12-18	ND	-	-
ADL-48	С	24-30	ND	-	-
ADL-49	Α	0-6	ND	-	-
ADL-49	В	12-18	ND	-	-
ADL-49	С	24-30	ND	-	-
ADL-50	А	0-6	ND	-	-
ADL-50	В	12-18	25	-	-
ADL-50	С	24-30	ND	-	-

ND = Not Detected at a reporting limit of 5.0 mg/kg (total lead) and 0.100 mg/l (soluble lead by WET-DI)

State Route 99/120 Interchange Improvement Project Aerially Deposited Lead (ADL) Assessment

APPENDIX B

ADL Analytical Laboratory Results and Chain of Custody Total Lead Sample Results



SunStar – Laboratories, Inc.

25712 Commercentre Drive Lake Forest, California 92630 949.297.5020 Phone 949.297.5027 Fax

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

16 November 2017

Ryan Schmidt Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento, CA -RE: SR99/120 Interchange

Enclosed are the results of analyses for samples received by the laboratory on 11/10/17 10:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Nguyen Project Manager Assistant

SunStar — Laboratories, Inc. Providing Quality Analytical Services Nationwide

25712 Commercentre Drive Lake Forest, California 92630 949.297.5020 Phone 949.297.5027 Fax

Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: [none]	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	11/16/17 11:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ADL 34-A	T172941-01	Soil	11/06/17 09:00	11/10/17 10:55
ADL 34-B	T172941-02	Soil	11/06/17 09:00	11/10/17 10:55
ADL 36-A	T172941-03	Soil	11/06/17 09:30	11/10/17 10:55
ADL 36-B	T172941-04	Soil	11/06/17 09:30	11/10/17 10:55
ADL 36-C	T172941-05	Soil	11/06/17 09:30	11/10/17 10:55
ADL 38-A	T172941-06	Soil	11/06/17 10:00	11/10/17 10:55
ADL 38-B	T172941-07	Soil	11/06/17 10:00	11/10/17 10:55
ADL 38-C	T172941-08	Soil	11/06/17 10:00	11/10/17 10:55
ADL 46-A	T172941-09	Soil	11/06/17 10:30	11/10/17 10:55
ADL 46-B	T172941-10	Soil	11/06/17 10:30	11/10/17 10:55
ADL 46-C	T172941-11	Soil	11/06/17 10:30	11/10/17 10:55
ADL 47-A	T172941-12	Soil	11/06/17 11:00	11/10/17 10:55
ADL 47-B	T172941-13	Soil	11/06/17 11:00	11/10/17 10:55
ADL 47-C	T172941-14	Soil	11/06/17 11:00	11/10/17 10:55
ADL 48-A	T172941-15	Soil	11/06/17 11:30	11/10/17 10:55
ADL 48-B	T172941-16	Soil	11/06/17 11:30	11/10/17 10:55
ADL 48-C	T172941-17	Soil	11/06/17 11:30	11/10/17 10:55
ADL 49-A	T172941-18	Soil	11/06/17 12:00	11/10/17 10:55
ADL 49-B	T172941-19	Soil	11/06/17 12:00	11/10/17 10:55
ADL 49-C	T172941-20	Soil	11/06/17 12:00	11/10/17 10:55
ADL 50-A	T172941-21	Soil	11/06/17 12:30	11/10/17 10:55
ADL 50-B	T172941-22	Soil	11/06/17 12:30	11/10/17 10:55
ADL 50-C	T172941-23	Soil	11/06/17 12:30	11/10/17 10:55
ADL 35-A	T172941-24	Soil	11/06/17 13:00	11/10/17 10:55
ADL 35-B	T172941-25	Soil	11/06/17 13:00	11/10/17 10:55
ADL 35-C	T172941-26	Soil	11/06/17 13:00	11/10/17 10:55

SunStar Laboratories, Inc.



Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: [none]	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	11/16/17 11:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ADL 37-A	T172941-27	Soil	11/06/17 13:30	11/10/17 10:55
ADL 37-B	T172941-28	Soil	11/06/17 13:30	11/10/17 10:55
ADL 37-C	T172941-29	Soil	11/06/17 13:30	11/10/17 10:55
ADL 25-A	T172941-30	Soil	11/06/17 14:00	11/10/17 10:55
ADL 25-B	T172941-31	Soil	11/06/17 14:00	11/10/17 10:55
ADL 25-C	T172941-32	Soil	11/06/17 14:00	11/10/17 10:55
ADL 26-A	T172941-33	Soil	11/06/17 14:30	11/10/17 10:55
ADL 26-B	T172941-34	Soil	11/06/17 14:30	11/10/17 10:55
ADL 26-C	T172941-35	Soil	11/06/17 14:30	11/10/17 10:55
ADL 24-A	T172941-36	Soil	11/07/17 09:00	11/10/17 10:55
ADL 24-B	T172941-37	Soil	11/07/17 09:00	11/10/17 10:55
ADL 24-C	T172941-38	Soil	11/07/17 09:00	11/10/17 10:55
ADL 22-A	T172941-39	Soil	11/07/17 09:45	11/10/17 10:55
ADL 22-B	T172941-40	Soil	11/07/17 09:45	11/10/17 10:55
ADL 22-C	T172941-41	Soil	11/07/17 09:45	11/10/17 10:55
ADL 20-A	T172941-42	Soil	11/07/17 10:15	11/10/17 10:55
ADL 20-B	T172941-43	Soil	11/07/17 10:15	11/10/17 10:55
ADL 20-C	T172941-44	Soil	11/07/17 10:15	11/10/17 10:55
ADL 18-A	T172941-45	Soil	11/07/17 10:45	11/10/17 10:55
ADL 18-B	T172941-46	Soil	11/07/17 10:45	11/10/17 10:55
ADL 18-C	T172941-47	Soil	11/07/17 10:45	11/10/17 10:55
ADL 15-A	T172941-48	Soil	11/07/17 11:30	11/10/17 10:55
ADL 15-B	T172941-49	Soil	11/07/17 11:30	11/10/17 10:55
ADL 15-C	T172941-50	Soil	11/07/17 11:30	11/10/17 10:55
ADL 16-A	T172941-51	Soil	11/07/17 12:00	11/10/17 10:55
ADL 16-B	T172941-52	Soil	11/07/17 12:00	11/10/17 10:55

SunStar Laboratories, Inc.



Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: [none]	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	11/16/17 11:44

ANALYTICAL REPORT FOR SAMPLES

		35		
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ADL 16-C	T172941-53	Soil	11/07/17 12:00	11/10/17 10:55
ADL 44-A	T172941-54	Soil	11/07/17 12:45	11/10/17 10:55
ADL 44-B	T172941-55	Soil	11/07/17 12:45	11/10/17 10:55
ADL 44-C	T172941-56	Soil	11/07/17 12:45	11/10/17 10:55
ADL 45-A	T172941-57	Soil	11/07/17 13:30	11/10/17 10:55
ADL 45-B	T172941-58	Soil	11/07/17 13:30	11/10/17 10:55
ADL 45-C	T172941-59	Soil	11/07/17 13:30	11/10/17 10:55
ADL 13-A	T172941-60	Soil	11/07/17 14:00	11/10/17 10:55
ADL 13-B	T172941-61	Soil	11/07/17 14:00	11/10/17 10:55
ADL 13-C	T172941-62	Soil	11/07/17 14:00	11/10/17 10:55
ADL 12-A	T172941-63	Soil	11/07/17 14:30	11/10/17 10:55
ADL 12-B	T172941-64	Soil	11/07/17 14:30	11/10/17 10:55
ADL 12-C	T172941-65	Soil	11/07/17 14:30	11/10/17 10:55
ADL 10-A	T172941-66	Soil	11/07/17 15:00	11/10/17 10:55
ADL 10-B	T172941-67	Soil	11/07/17 15:00	11/10/17 10:55
ADL 10-C	T172941-68	Soil	11/07/17 15:00	11/10/17 10:55
ADL 08-A	T172941-69	Soil	11/07/17 15:45	11/10/17 10:55
ADL 08-B	T172941-70	Soil	11/07/17 15:45	11/10/17 10:55
ADL 08-C	T172941-71	Soil	11/07/17 15:45	11/10/17 10:55

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Lisa Nguyen, Project Manager Assistant



Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: [none]	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	11/16/17 11:44

DETECTIONS SUMMARY

Sample ID:	ADL 34-A	Labora	tory ID:	T172941-01		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		12	3.0	mg/kg	EPA 6010b	
Sample ID:	ADL 34-B	Labora	tory ID:	T172941-02		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		12	3.0	mg/kg	EPA 6010b	
Sample ID:	ADL 36-A	Labora	tory ID:	T172941-03		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		15	3.0	mg/kg	EPA 6010b	
Sample ID:	ADL 36-B	Labora	tory ID:	T172941-04		
No Results D	etected					
Sample ID:	ADL 36-C	Labora	tory ID:	T172941-05		
No Results D	etected					
No Results D						

No Results Detected

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Blackburn Consulting-West Sac.	Project: SR99/120 Interc	hange	
2491 Boatman Ave.	Project Number: [none]	C	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt		11/16/17 11:44
Sample ID: ADL 38-B	Laboratory ID:	T172941-07	
No Results Detected			
Sample ID: ADL 38-C	Laboratory ID:	T172941-08	
No Results Detected			
Sample ID: ADL 46-A	Laboratory ID:	T172941-09	
No Results Detected			
Sample ID: ADL 46-B	Laboratory ID:	T172941-10	
No Results Detected			
Sample ID: ADL 46-C	Laboratory ID:	T172941-11	
No Results Detected			
Sample ID: ADL 47-A	Laboratory ID:	T172941-12	
No Results Detected			
Sample ID: ADL 47-B	Laboratory ID:	T172941-13	
No Results Detected			
SunStar Laboratories, Inc.		port apply to the samples analyz his analytical report must be rep	eed in accordance with the chain of
(AA)	cusioay aocument. 11	us anaiyucai report must de Pep	nounced in its entirely.

Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project: SR99/120 Interc Project Number: [none] Project Manager: Ryan Schmidt	hange	Reported: 11/16/17 11:44
Sample ID: ADL 47-C	Laboratory ID:	T172941-14	
No Results Detected			
Sample ID: ADL 48-A	Laboratory ID:	T172941-15	
No Results Detected			
Sample ID: ADL 48-B	Laboratory ID:	T172941-16	
No Results Detected			
Sample ID: ADL 48-C	Laboratory ID:	T172941-17	
No Results Detected			
Sample ID: ADL 49-A	Laboratory ID:	T172941-18	
No Results Detected			
Sample ID: ADL 49-B	Laboratory ID:	T172941-19	
No Results Detected			
Sample ID: ADL 49-C	Laboratory ID:	T172941-20	
No Results Detected			
SunStar Laboratories, Inc.		port apply to the samples analyz his analytical report must be rep	ed in accordance with the chain of roduced in its entirety.

Lisa Nguyen, Project Manager Assistant

SunStar Laboratories Providing Quality Analytical Services				25712 Commercentre Dr Lake Forest, California 92 949.297.5020 Ph 949.297.5027 I
Blackburn Consulting-West Sac.	Project: SR99/120 Inte	erchange		
2491 Boatman Ave.	Project Number: [none]			Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt			11/16/17 11:44
Sample ID: ADL 50-A	Laboratory ID:	T172941-21		
No Results Detected				
Sample ID: ADL 50-B	Laboratory ID:	T172941-22		
	Reporti	ıg		
Analyte	Result Lin		Method	Notes
Lead	25	3.0 mg/kg	EPA 6010b	
Sample ID: ADL 50-C	Laboratory ID:	T172941-23		
No Results Detected				
Sample ID: ADL 35-A	Laboratory ID:	T172941-24		
	Reporti			
Analyte	Result Lin		Method	Notes
Lead	19	3.0 mg/kg	EPA 6010b	
Sample ID: ADL 35-B	Laboratory ID:	T172941-25		
	Reporti	-		
Analyte	Result Lin		Method	Notes
Lead	17	3.0 mg/kg	EPA 6010b	
Sample ID: ADL 35-C	Laboratory ID:	T172941-26		
No Results Detected				
Sample ID: ADL 37-A	Laboratory ID:	T172941-27		
No Results Detected				
SunStar Laboratories, Inc.				rdance with the chain of
$\langle \langle \langle \rangle \rangle$	cusioay document.	This analytical report m	usi ve reproduced l	n us enurely.

Lisa Nguyen, Project Manager Assistant

	DOTATOTIES, Inc.					25712 Commercentre I Lake Forest, California 9 949.297.5020 P 949.297.5027
Blackburn Consulting	g-West Sac.	Project: SR9	9/120 Interch	ange		
491 Boatman Ave.		Project Number: [non		0		Reported:
Vest Sacramento CA	Α, -	Project Manager: Ryar	Schmidt			11/16/17 11:44
Sample ID:	ADL 37-B	Laborat	ory ID:	T172941-28		
No Results D	etected					
Sample ID:	ADL 37-C	Laborat	ory ID:	T172941-29		
No Results D	etected					
Sample ID:	ADL 25-A	Laborat	ory ID:	T172941-30		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		21	3.0	mg/kg	EPA 6010b	
Sample ID:	ADL 25-B	Laborat	ory ID:	T172941-31		
No Results D	etected					
Sample ID:	ADL 25-C	Laborat	ory ID:	T172941-32		
No Results D	etected					
Sample ID:	ADL 26-A	Laborat	ory ID:	T172941-33		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		130	3.0	mg/kg	EPA 6010b	
Sample ID:	ADL 26-B	Laborat	ory ID:	T172941-34		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		390	3.0	mg/kg	EPA 6010b	

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				25712 Commercentre Dri Lake Forest, California 926 949.297.5020 Pho 949.297.5027 F
Project Number: [none]		ange		Reported: 11/16/17 11:44
Tojeet Manager. Ryan S				11/10/17 11.44
Laborator	y ID:	T172941-35		
Laborator	y ID:	T172941-36		
Laborator	y ID:	T172941-37		
Result 18	Limit 3.0	Units mg/kg	Method EPA 6010b	Notes
		T172941-38		
Result	eporting Limit	Units	Method	Notes
20	3.0	mg/kg	EPA 6010b	
	-	T172941-39		
		Units	Method	Notes
12	3.0	mg/kg	EPA 6010b	
Laborator	y ID:	T172941-40		
Laborator	y ID:	T172941-41		
	in this repo			
	Project Number: [none] Project Manager: Ryan Sa Laborator Laborator Result 18 Laborator Result 20 Laborator Result 12 Laborator	Project Number: [none] Project Manager: Ryan Schmidt Laboratory ID: Laboratory ID: Laboratory ID: Laboratory ID: Laboratory ID: Result Limit 20 3.0 Laboratory ID: Result Limit 12 3.0 Laboratory ID:	Project Manager: Ryan Schmidt Laboratory ID: T172941-35 Laboratory ID: T172941-36 Laboratory ID: T172941-37 Result Limit Units 18 3.0 mg/kg Laboratory ID: T172941-38 Result Limit Units 20 3.0 mg/kg Laboratory ID: T172941-39 Result Limit Units 20 3.0 mg/kg Laboratory ID: T172941-39 Result Limit Units 12 3.0 mg/kg Laboratory ID: T172941-40	Project Namager: Ryan Schmidt Laboratory ID: T172941-35 Laboratory ID: T172941-36 Laboratory ID: T172941-36 Laboratory ID: T172941-37 Reporting Result Limit Units Method 18 3.0 mg/kg EPA 6010b Laboratory ID: T172941-38 Result Limit Units Method 20 3.0 mg/kg EPA 6010b Laboratory ID: T172941-39 Result Limit Units Method 20 3.0 mg/kg EPA 6010b Laboratory ID: T172941-39 Result Limit Units Method 12 3.0 mg/kg EPA 6010b Laboratory ID: T172941-40

Lisa Nguyen, Project Manager Assistant

	Star
	Laboratories, Inc.
PROVIDING	QUALITY ANALYTICAL SERVICES NATIONWIDE

kburn Consulting-West Sac.	•	99/120 Intercha	inge		
Boatman Ave.	Project Number: [nor				Reported:
t Sacramento CA, -	Project Manager: Rya	n Schmidt			11/16/17 11:44
Sample ID: ADL 20-A	Labora	tory ID:	T172941-42		
	Labora	Reporting	11/2/41-42		
Analyte	Result	Limit	Units	Method	Notes
Lead	14	2.7	mg/kg	EPA 6010b	
Sample ID: ADL 20-B	Labora	tory ID:	T172941-43		
		Reporting			
Analyte	Result	Limit	Units	Method	Notes
Lead	21	3.0	mg/kg	EPA 6010b	
Sample ID: ADL 20-C	Labora	tory ID:	T172941-44		
		Reporting			
Analyte	Result	Limit	Units	Method	Notes
Lead	20	3.0	mg/kg	EPA 6010b	
Sample ID: ADL 18-A	Labora	tory ID:	T172941-45		
No Results Detected					
Sample ID: ADL 18-B	Labora	tory ID:	T172941-46		
No Results Detected					
Sample ID: ADL 18-C	Labora	tory ID:	T172941-47		
No Results Detected					
Sample ID: ADL 15-A	Labora	tory ID:	T172941-48		
		Reporting			
Analyte Lead	Result	Limit	Units	Method	Notes
	33	3.0	mg/kg	EPA 6010b	

Lisa Nguyen, Project Manager Assistant

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ekburn Consulting	g-West Sac.	Project: SR	99/120 Interch	ange		
1 Boatman Ave.		Project Number: [no	ne]			Reported:
t Sacramento CA	·, -	Project Manager: Ry	an Schmidt			11/16/17 11:44
Sample ID:	ADL 15-B	Labora	ntory ID:	T172941-49		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		24	3.0	mg/kg	EPA 6010b	
Sample ID:	ADL 15-C	Labora	ntory ID:	T172941-50		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		53	3.0	mg/kg	EPA 6010b	
Sample ID:	ADL 16-A	Labora	ntory ID:	T172941-51		
		Reporting				
Analyte		Result	Limit	Units	Method	Notes
Lead		22	2.7	mg/kg	EPA 6010b	
Sample ID:	ADL 16-B	Labora	ntory ID:	T172941-52		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		16	2.7	mg/kg	EPA 6010b	
Sample ID:	ADL 16-C	Labora	ntory ID:	T172941-53		
No Results D	etected					
Sample ID:	ADL 44-A	Lahor	ntory ID:	T172941-54		
Sumple 1D.			-	11/2/11-27		
Analyte		Result	Reporting Limit	Units	Method	Notes
Lead		19	3.0	mg/kg	EPA 6010b	
Sample ID:	ADL 44-B	Labora	tory ID:	T172941-55		

No Results Detected

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SunStar Laboratories, Inc. Providing Quality Analytical Services Nationwide				25712 Commercentre Lake Forest, California 9 949.297.5020 F 949.297.502
ackburn Consulting-West Sac.	Project: SR99/120 Intere	hange		
91 Boatman Ave. est Sacramento CA, -	Project Number: [none] Project Manager: Ryan Schmidt			Reported: 11/16/17 11:44
Sample ID: ADL 44-C	Laboratory ID:	T172941-56		
No Results Detected				
Sample ID: ADL 45-A	Laboratory ID:	T172941-57		
	Reporting			N .
Analyte Lead	Result Limit 13 3.0		Method EPA 6010b	Notes
Sample ID: ADL 45-B	Laboratory ID:	T172941-58		
No Results Detected				
Sample ID: ADL 45-C	Laboratory ID:	T172941-59		
No Results Detected				
Sample ID: ADL 13-A	Laboratory ID:	T172941-60		
	Reporting			
Analyte	Result Limit		Method	Notes
Lead	14 3.0	mg/kg	EPA 6010b	
Sample ID: ADL 13-B	Laboratory ID:	T172941-61		
Amelute	Reporting Decult Limit		Mathad	Notor
Analyte Lead	Result Limi 37 3.0		Method EPA 6010b	Notes
Sample ID: ADL 13-C	Laboratory ID:	T172941-62		

No Results Detected

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ackburn Consulting-West Sac. 91 Boatman Ave. est Sacramento CA, -		Project: S Project Number: [r Project Manager: R	Reported: 11/16/17 11:44			
Sample ID:	ADL 12-A	Labo	T172941-63			
Analyte Lead		Result 24	Reporting Limit 3.0	Units mg/kg	Method EPA 6010b	Notes
Sample ID:	ADL 12-B	Labo	T172941-64			
Analyte Lead		Result 16	Reporting Limit 3.0	Units mg/kg	Method EPA 6010b	Notes
Sample ID:	ADL 12-C	Laboratory ID:		T172941-65		
Analyte Lead		Result 16	Reporting Limit 3.0	Units mg/kg	Method EPA 6010b	Notes
Sample ID:	ADL 10-A	Laboratory ID:		T172941-66		
Analyte Lead		Result 81	Reporting Limit 3.0	Units mg/kg	Method EPA 6010b	Notes
Sample ID:	ADL 10-B	Labo	Laboratory ID:			
Analyte Lead		Result 23	Reporting Limit 2.7	Units mg/kg	Method EPA 6010b	Notes
Sample ID:	ADL 10-C	Labor	Laboratory ID:			
Analyte Lead		Result 34	Reporting Limit 3.0	Units mg/kg	Method EPA 6010b	Notes
Sample ID:	ADL 08-A	Labo	Laboratory ID:			
Analyte Lead		Result 92	Reporting Limit 3.0	Units mg/kg	Method EPA 6010b	Notes

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project: Project Number: Project Manager:		Reported: 11/16/17 11:44						
Sample ID:	ADL 08-B	Laboratory ID: T172941-70								
	Reporting									
Analyte		Result	Limit	Units	Method	Notes				
Lead		25	3.0	mg/kg	EPA 6010b					
Sample ID:	ADL 08-C	Lat	Laboratory ID:							
	Reporting									
Analyte		Result	Limit	Units	Method	Notes				

22

3.0

mg/kg

EPA 6010b

Lead

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant



Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	man Ave. Project Number: [none]							Reported: 11/16/17 11:44		
ADL 34-A T172941-01 (Soil)										
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
SunStar Laboratories, Inc.										
Metals by EPA 6010B										
Lead	12	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b		

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

SunStar Laboratories, Inc. Providing Quality Analytical Services Nationwide

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Blackburn Consulting-West Sac. Project: SR99/120 Interchange											
2491 Boatman Ave.	1	Project Numb			0			Reported:			
West Sacramento CA, -	р	Project Manager: Ryan Schmidt									
		A	DL 34-B								
		T1729	941-02 (So	il)							
		Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	es, Inc.							
Metals by EPA 6010B											
Lead	12	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b			

SunStar Laboratories, Inc.

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project: SR99/120 Interchange Project Number: [none] Project Manager: Ryan Schmidt								
			DL 36-A 941-03 (So	oil)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	es, Inc.						
Metals by EPA 6010B										
Lead	15	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b		

SunStar Laboratories, Inc.

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F P	Reported: 11/16/17 11							
			DL 36-B 941-04 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b	

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F P	Reported: 11/16/17 11							
			DL 36-C 941-05 (So						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b	

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -] F	Reported: 11/16/17 11:							
			DL 38-A 941-06 (So	il)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b	

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project: SR99/120 Interchange Project Number: [none] Project Manager: Ryan Schmidt								
			DL 38-B 941-07 (So	il)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	es, Inc.						
Metals by EPA 6010B										
Lead	ND	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b		

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F	Reported: 11/16/17 11							
			DL 38-C 941-08 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b	

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project: SR99/120 Interchange Project Number: [none] Project Manager: Ryan Schmidt								
			DL 46-A 941-09 (So	il)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	es, Inc.						
Metals by EPA 6010B										
Lead	ND	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b		

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project: SR99/120 Interchange Project Number: [none] Project Manager: Ryan Schmidt								
			DL 46-B 941-10 (So	il)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	es, Inc.						
Metals by EPA 6010B										
Lead	ND	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b		

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F	Reported: 11/16/17 11							
			DL 46-C 941-11 (So						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	I P	Reported: 11/16/17 11							
			DL 47-A 941-12 (So	il)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F	Reported: 11/16/17 11:							
			DL 47-B 941-13 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	I P	Reported: 11/16/17 11							
ADL 47-C T172941-14 (Soil)									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b	

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project: SR99/120 Interchange Project Number: [none] Project Manager: Ryan Schmidt									
			DL 48-A 941-15 (So	il)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	es, Inc.							
Metals by EPA 6010B											
Lead	ND	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b			

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project: SR99/120 Interchange Project Number: [none] Project Manager: Ryan Schmidt								
			DL 48-B 941-16 (So	il)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	es, Inc.						
Metals by EPA 6010B										
Lead	ND	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b		

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F Pi	Reported: 11/16/17 11							
			DL 48-C 941-17 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	I P	Reported: 11/16/17 11							
			DL 49-A 941-18 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	I P	Reported: 11/16/17 11:							
ADL 49-B T172941-19 (Soil)									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F P.	Reported: 11/16/17 11							
			DL 49-C 941-20 (So						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111034	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F P	Reported: 11/16/17 11;								
	ADL 50-A T172941-21 (Soil)									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	es, Inc.						
Metals by EPA 6010B										
Lead	ND	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b		

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -) P		Reported : 11/16/17 11						
			DL 50-B 941-22 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	25	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F P	Reported: 11/16/17 11							
			DL 50-C 041-23 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project: SR99/120 Interchange Project Number: [none] Project Manager: Ryan Schmidt								
ADL 35-A T172941-24 (Soil)										
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	es, Inc.						
Metals by EPA 6010B										
Lead	19	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b		

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	I P	Reported : 11/16/17 11							
			DL 35-B 941-25 (Sc	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	17	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F P	Reported: 11/16/17 11							
			DL 35-C 941-26 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:[none]Project Manager:Ryan Schmidt11/16/17 11:44										
			DL 37-A 941-27 (Se	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	es, Inc.							
Metals by EPA 6010B											
Lead	ND	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b			

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F P	Reported: 11/16/17 11							
			DL 37-B 941-28 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F P	Reported : 11/16/17 11							
			DL 37-C 941-29 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	l P	Reported : 11/16/17 11							
			DL 25-A 941-30 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	21	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project: SR99/120 Interchange Project Number: [none] Project Manager: Ryan Schmidt								
			DL 25-B 941-31 (So	il)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	es, Inc.						
Metals by EPA 6010B										
Lead	ND	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b		

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F P	Reported: 11/16/17 11							
			DL 25-C 941-32 (So						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F	Reported : 11/16/17 11							
			DL 26-A 941-33 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	130	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	l P	Reported: 11/16/17 11							
			DL 26-B 941-34 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	390	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F	Reported: 11/16/17 11							
			DL 26-C 941-35 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	I P	Reported: 11/16/17 11							
			DL 24-A 941-36 (So	il)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	I P	Reported 11/16/17 11							
			DL 24-B 941-37 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	18	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F	Reported: 11/16/17 11:44							
			DL 24-C 941-38 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	20	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -] F	Reported: 11/16/17 11:							
			DL 22-A 941-39 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	12	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F P.	Reported: 11/16/17 11							
			DL 22-B 941-40 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111035	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	I P	Reported: 11/16/17 11							
			DL 22-C 941-41 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F Pi	Reported 11/16/17 11							
			DL 20-A 941-42 (Se	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	14	2.7	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	l P	Reported : 11/16/17 11							
			DL 20-B 941-43 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	21	3.0	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F Pi	Reported 11/16/17 11									
		ADL 20-C T172941-44 (Soil)									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	ies, Inc.							
Metals by EPA 6010B											
Lead	20	3.0	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b			

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	I P	Reported: 11/16/17 11							
			DL 18-A 941-45 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	l P	Reported: 11/16/17 11:							
			DL 18-B 941-46 (So	il)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b	

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F P	Reported: 11/16/17 11;							
			DL 18-C 941-47 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F Pi	Reported: 11/16/17 11							
			DL 15-A 941-48 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	33	3.0	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	ı P	Reported : 11/16/17 11							
			DL 15-B 941-49 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	24	3.0	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:[none]ReporProject Manager:Ryan Schmidt11/16/17									
			DL 15-C 941-50 (So	oil)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	es, Inc.						
Metals by EPA 6010B										
Lead	53	3.0	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b		

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -) F	Reported: 11/16/17 11:								
West Sacramento CA, - Project Manager: Ryan Schmidt 11/16/17 11:44 ADL 16-A T172941-51 (Soil)										
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	es, Inc.						
Metals by EPA 6010B										
Lead	22	2.7	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b		

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	l P	Reported : 11/16/17 11							
			DL 16-B 941-52 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	16	2.7	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F Pi	Reported: 11/16/17 11							
			DL 16-C 941-53 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b	

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project: SR99/120 Interchange Project Number: [none] Project Manager: Ryan Schmidt								
			DL 44-A 941-54 (So	oil)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	es, Inc.						
Metals by EPA 6010B										
Lead	19	3.0	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b		

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project: SR99/120 Interchange Project Number: [none] Project Manager: Ryan Schmidt								
			DL 44-B 941-55 (So	il)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	es, Inc.						
Metals by EPA 6010B										
Lead	ND	3.0	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b		

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project: SR99/120 Interchange Project Number: [none] Project Manager: Ryan Schmidt								
			DL 44-C 941-56 (So	il)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	es, Inc.						
Metals by EPA 6010B										
Lead	ND	3.0	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b		

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -] F	Reported: 11/16/17 11:							
			DL 45-A 941-57 (So	il)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	13	3.0	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	l P	Reported: 11/16/17 11:							
			DL 45-B 941-58 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	I P	Reported: 11/16/17 11							
			DL 45-C 941-59 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project: SR99/120 Interchange Project Number: [none] Project Manager: Ryan Schmidt								
			DL 13-A 941-60 (So	oil)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	ies, Inc.						
Metals by EPA 6010B										
Lead	14	3.0	mg/kg	1	7111033	11/10/17	11/13/17	EPA 6010b		

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F P	Reported: 11/16/17 11							
			DL 13-B 941-61 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	37	3.0	mg/kg	1	7111038	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F P	Reported : 11/16/17 11							
			DL 13-C 941-62 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	ND	2.7	mg/kg	1	7111038	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	l P	Reported: 11/16/17 11:44							
			DL 12-A 941-63 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	24	3.0	mg/kg	1	7111038	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project: SR99/120 Interchange Project Number: [none] Project Manager: Ryan Schmidt								: :44		
ADL 12-B T172941-64 (Soil)											
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
SunStar Laboratories, Inc.											
Metals by EPA 6010B											

3.0 mg/kg

1

7111038

11/10/17

11/13/17

EPA 6010b

16

Lead

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Metals by EPA 6010B		SunStar L	aboratori	ies, Inc.							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
ADL 12-C T172941-65 (Soil)											
West Sacramento CA, -	Project Manager: Ryan Schmidt 11/16/17 11:44										
2491 Boatman Ave.		Project Numb	er: [none]	l				Reported:			
Blackburn Consulting-West Sac.											

3.0 mg/kg

1

7111038

11/10/17

11/13/17

EPA 6010b

16

Lead

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	I P	Reported: 11/16/17 11:44										
			DL 10-A 941-66 (So	oil)								
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes			
	SunStar Laboratories, Inc.											
Metals by EPA 6010B												
Lead	81	3.0	mg/kg	1	7111038	11/10/17	11/13/17	EPA 6010b				

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F	Reported: 11/16/17 11:44							
			DL 10-B 041-67 (Sc	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	23	2.7	mg/kg	1	7111038	11/10/17	11/13/17	EPA 6010b	

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F P	Reported 11/16/17 11							
			DL 10-C 941-68 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	34	3.0	mg/kg	1	7111038	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	I P	Reported: 11/16/17 11:44							
			DL 08-A 941-69 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	92	3.0	mg/kg	1	7111038	11/10/17	11/13/17	EPA 6010b	

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	ı P	Reported : 11/16/17 11							
			DL 08-B 041-70 (Sc	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	25	3.0	mg/kg	1	7111038	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:[none]Project Manager:Ryan Schmidt11/16/17									
			DL 08-C 941-71 (So	oil)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	es, Inc.						
Metals by EPA 6010B										
Lead	22	3.0	mg/kg	1	7111038	11/10/17	11/13/17	EPA 6010b		

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: [none]	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	11/16/17 11:44

Metals by EPA 6010B - Quality Control

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		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	
Batch 7111033 - EPA 3050B											
Blank (7111033-BLK1)				Prepared:	11/10/17 A	nalyzed: 11	/13/17				
Lead	ND	3.0	mg/kg								
LCS (7111033-BS1)				Prepared:	11/10/17 A	nalyzed: 11	/13/17				
Lead	119	3.0	mg/kg	100		119	75-125				
Matrix Spike (7111033-MS1)	Sour	ce: T172941-	41	Prepared:	11/10/17 A	nalyzed: 11	/13/17				
Lead	128	3.0	mg/kg	97.1	ND	132	75-125			QR-04	
Matrix Spike Dup (7111033-MSD1)	Sour	ce: T172941-	41	Prepared: 11/10/17 Analyzed: 11/13/17							
Lead	120	3.0	mg/kg	100	ND	120	75-125	6.27	20		
Batch 7111034 - EPA 3050B											
Blank (7111034-BLK1)				Prepared:	11/10/17 A	nalyzed: 11	/13/17				
Lead	ND	3.0	mg/kg								
LCS (7111034-BS1)				Prepared:	11/10/17 A	nalyzed: 11	/13/17				
Lead	104	3.0	mg/kg	100		104	75-125				
Matrix Spike (7111034-MS1)	Sour	ce: T172941-	01	Prepared:	11/10/17 A	nalyzed: 11	/13/17				
Lead	113	3.0	mg/kg	98.0	11.8	103	75-125				
Matrix Spike Dup (7111034-MSD1)	Sour	ce: T172941-	01	Prepared:	11/10/17 A	nalyzed: 11	/13/17				
Lead	124	3.0	mg/kg	98.0	11.8	115	75-125	9.31	20		
Batch 7111035 - EPA 3050B											
Blank (7111035-BLK1)				Prepared:	11/10/17 A	nalyzed: 11	/13/17				
Lead	ND	3.0	mg/kg								

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Metals by EPA 6010B - Quality Control										
West Sacramento CA, -	est Sacramento CA, - Project Manager: Ryan Schmidt									
2491 Boatman Ave.	Project Number: [none]	Reported:								
Blackburn Consulting-West Sac.	Project: SR99/120 Interchange									

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes		
Batch 7111035 - EPA 3050B												
LCS (7111035-BS1)		Prepared: 11/10/17 Analyzed: 11/13/17										
Lead	109	3.0	mg/kg	100		109	75-125					
Matrix Spike (7111035-MS1)	Source: T172941-21			Prepared: 11/10/17 Analyzed: 11/13/17								
Lead	131	3.0	mg/kg	98.0	ND	133	75-125			QM-05		
Matrix Spike Dup (7111035-MSD1)	Sourc	Source: T172941-21			Prepared: 11/10/17 Analyzed: 11/13/17							
Lead	124	3.0	mg/kg	91.7	ND	135	75-125	5.41	20	QM-05		
Batch 7111038 - EPA 3051												
Blank (7111038-BLK1)				Prepared: 11/10/17 Analyzed: 11/13/17								
Lead	ND	3.0	mg/kg									
LCS (7111038-BS1)				Prepared: 11/10/17 Analyzed: 11/13/17								
Lead	106	3.0	mg/kg	100		106	75-125					
Matrix Spike (7111038-MS1)	Source: T172943-08			Prepared: 11/10/17 Analyzed: 11/13/17								
Lead	124	3.0	mg/kg	98.0	ND	127	75-125			QM-0:		
Matrix Spike Dup (7111038-MSD1)	Sourc	Source: T172943-08		Prepared: 11/10/17 Analyzed: 11/13/17								
Lead	118	3.0	mg/kg	92.6	ND	127	75-125	5.44	20	QM-0		

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive Lake Forest, California 92630 949.297.5020 Phone 949.297.5027 Fax

Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: [none]	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	11/16/17 11:44

Notes and Definitions

- QR-04 The pecent recovery and/or RPD was outside acceptance criteria. Results accepted based upon percent recovery results in duplicate QC sample and the CCV and CCB results.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS was within acceptance criteria. The data is acceptable as no negative impact on data is expected.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

Sample d		Relinquis	Relinduis	Mix	Relinquis			AAL	ADL	ADL	APL			ANT		PAC	>		ADI		Project Manager:	Phone:	Address:	Client:	PROVI 257 949-	
Sample disposal Instructions:		Relinquished by: (signature)	Relinduished by: (signature)	2 Salut	Relinguished by: (signature			26 - A.B.	15 - A.B.	37 - 4 2	22	53-0 2	10-4.0	10-N0	ALA-ON	400-40	20 02	N	34-A.R	Sample ID	Manager: Ryon	707 537		Blackburn	PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE 25712 Commercentre Drive, Lake Forest, CA 92630 949-297-5020	 Laboratories,
Disposal @ \$2.00 each) Date / Time) Date / Time) Date /			-			t. 1		6 6						11/6/17	Date	in Schmidt	3776		0	AL SERVICES NATIONWI	ories, Inc.
0 each		Time	Time	13:50	Time			14:30	14:00	13:30	13:00	12:30	12:00	11:20	100	10:30	10100	9:30	qioo	Time	nidt	Fax:		snsulting	Forest, CA	
Return to client		Received by	Received by: (signature		Received by			-			_							-	Soil	Sample			C	1	92630	
o client		Received by: (signature)	/: (signature)	Julas	Received by: (signature)			-					-			_		-	(Ilass	Container Type						Chain of Custody Record
		11-10-17		1															_	8260						
Pickup	- !	-	_	12		_							\downarrow	_	_	\downarrow		_	-	8260 + OXY						u a
d-		10:55 Date / Time	Date / Time	F	Date / Time	_							\downarrow	\downarrow	\downarrow			_	-	8260 BTEX, OXY only	-	0		_		ġ
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	L			1	+	_	-						-	_	\downarrow		-	_	-	8015M (gasoline)			lam	E		
	ſurn	Re		Chain			-						+	\downarrow	\rightarrow	_	\downarrow	_	-	8015M (diesel)	TIT			0		1
	Turn around time: ST D	Received good condition/cold		n of		_												_		8015M Ext./Carbon Chain	N		N	4		
	und	ed g	Sea	of Custody seals	7					\mathbf{A}	\setminus	\setminus	\mathbf{A}	\setminus		Y	\geq		-	6010/7000 Title 22 Metals (Lead) 🛎		RAD	+		
	time	bod (als in	ody	tal #								_	\downarrow				_		6020 ICP-MS Metals			2			
	ľΛ	cond	itact	seals	ofo	_																	N			
	7	ition/	Seals intact? WN/NA	(\leq)	Total # of containers			23			AX I	-	00	5	0	04	~	S					0			
	0	d	I/NA	N/NA	ners			34	15	28	25	12	9	16	à	5	3	40	10	к.			4			
_		5.3	5					35	32	29	22	8	20	E .	Ì	4	88	8	02	Laboratory ID #	EDF #:	Client	when	Page:		
COC 160740		Hold samples	SANKUES	PISCRETE	Notes															Comments/Preservative	#	nt Project #:	Interchange	e: Of 4		
						+	+	┢	\vdash			-	+	+	-		_	-	-	Total # of containers		I	l	I.		
									1	1				- 1												

A

Pate: 11 Page: 2 or 4 Project Name: SE 11 120 Frage: 2 or 4 Batch #: Expression Expressi	Sample disposal Instructions: Disposal @ \$2.00 each	nature) Date / Time	650 11-10 17 10:55	shed by: (signature) Date / Time	PM Start 11/9 13:50	Relinquished by: (signature) Date / Time F		ADL UB - ABC 15:45	10 - A.B.C	ADL 12 - ABC 14:30	13 - ABC	45 - ABC	44 - A'BC	16 - A'B'C	IS - ABC	19 - ABC	10 - A BC	22-280	B.C 11/7/17	Sample ID Date Time	Project Manager: Ryan Schmidt	107 537 577	client: Blackburn Consulting Address:	PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE 25712 Commercentre Drive, Lake Forest, CA 92630 949-297-5020
Project Name: SE 91 120 Fine: Date / Time Date / Time Date / Time Total # of containers Chain of Custody seal Received good condition/cold Seals intact ONNA Seals intact ONNA	Return to client	Received by: (signature)	alax to	Received by: (signature)	W Stewart	Received by: (signature)													(Glass	Container Type				92630
Tranound time: STD	Pickup	Date / Time		Date / Time	1/17															8260 + OXY 8260 BTEX, OXY only 8270 8021 BTEX	Batch #:	Collector:	Date:	
54 26 54 28 82 12 26 82 12 26 82 12 26 26 27 26<		Turn around time: STD	Received good condition/cold	Seals intact? N/NA	Chain of Custody seals				-					_	_			_	36	8015M (diesel) 8015M Ext./Carbon Chain 6010/7000 Title 22 Metals)		5297 120	
	coc 160741	54	53					71	89	65	62	59		_	50	47	44	91	38		_ EDF #:	299		



SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #:	T172941			
Client Name:	BLACKBURN Car.	Project:		SR 99 / 120 INTERCHANGE
Delivered by:	Client SunStar Courie	er 🔀 GSO [FedEx	Other
If Courier, Received by:		Date/Time Co Received:		
Lab Received by:	SUMNY	Date/Time La Received:	b	11.10.17 / 10:55
Total number of coolers re	eceived: 🗶			/
Temperature: Cooler #1	<i>5.5</i> °C +/- the CF (- 0.2°C)	= 5.3	°C correc	ted temperature
Temperature: Cooler #2	<i>5.6</i> °C +/- the CF (- 0.2°C)	= 5.4	°C correc	ted temperature
Temperature: Cooler #3	°C +/- the CF (- 0.2°C)	=	°C correc	ted temperature
Temperature criteria = ≤ (no frozen containers)	≤6°C Within c	riteria?	Yes	No
If NO:			ć X	
			□No →	
Samples received				e Non-Conformance Sheet
	reasived some day	→ Acceptable	No →	
If on ice, samples	received same day Yes -	→ Acceptable	No →	
If on ice, samples collected?	received same day Yes -	→ Acceptable	□No → Complet	e Non-Conformance Sheet
If on ice, samples collected? Custody seals intact on co	received same day Yes -	→ Acceptable	□No → Complet	e Non-Conformance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact	received same day Yes - oler/sample n of Custody IDs	→ Acceptable	□No → Complet	e Non-Conformance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai Total number of container	received same day Yes - oler/sample n of Custody IDs	→ Acceptable	 No → Complet Yes Yes Yes Yes 	e Non-Conformance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai Total number of container Proper containers received	received same day oler/sample n of Custody IDs rs received match COC		 No → Complet Yes Yes Yes Yes Yes Yes 	e Non-Conformance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai Total number of container Proper containers received Proper preservative indica Complete shipment receiv	received same day oler/sample n of Custody IDs rs received match COC f for analyses requested on COC	es requested temperatures,	 No → Complet Yes Yes Yes Yes Yes Yes Yes Yes 	e Non-Conformance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai Total number of container Proper containers received Proper preservative indica Complete shipment receiv containers, labels, volume holding times	received same day oler/sample n of Custody IDs rs received match COC d for analyses requested on COC ted on COC/containers for analyse red in good condition with correct to s preservatives and within method	es requested temperatures,	 No → Complet Yes 	xe Non-Conformance Sheet No* N/A No* No* No* No* No* No* No* No*
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai Total number of container Proper containers received Proper preservative indica Complete shipment receiv containers, labels, volume holding times	received same day oler/sample n of Custody IDs rs received match COC d for analyses requested on COC ted on COC/containers for analyse red in good condition with correct to s preservatives and within method	es requested temperatures, specified	 No → Complet Yes 	No* No*

Page 1 of ____



SAMPLE NON-CONFORMANCE SHEET

Batch/Work Order # 7772941

COOLERS	LABELS
□ Not Received (received COC only)	\Box Not the same sample ID / info as on the COC
Leaking/Damaged	□ Incomplete Information
□ Other:	□ Markings/Info illegible
 CUSTODY SEALS 	SAMPLES
□ None	□ Samples NOT RECEIVED but listed on COC
□ Not Intact	□ Samples received but NOT LISTED on COC
• TEMPERATURE (Temp criteria = $\leq 6^{\circ}$ C)	Logged based on Label Information and not COC
\Box Cooler/Sample Temp(s)	Logged according to Work Plan and not COC
□ Temperature Blank(s)	□ Logged in, ON HOLD until further notice
 CHAIN OF CUSTODY (COC) 	□ Insufficient quantities for analysis
□ Not relinquished by client; No date/time relinquished	□ Improper container used
□ Incomplete information provided	☐ Mislabeled as to tests, preservatives, etc.
□ COC not received – notify PM	□ Holding time expired – list sample ID and test
 CONTAINERS 	□ Not preserved/Improper preservative used
□ Leaking □ Broken	□ Without Labels, no information on containers
□ Extra □ Missing	Other

Comments:

COC WAS FILLED OUT IMPROPERLY.

Sample fractioning only if broken container compromises other samples or if out of temp reading impacts more than one cooler

Fraction							Preser.
VOA							
						_	

Page 2 of 2

SunStar Laboratories, Inc. Providing Quality Analytical Services Nationwide		DRK ORDER Γ172941		Printed: 11/10/2017 2:13:50PM
Client: Blackburn Consulting-West Sac. Project: SR99/120 Interchange		Project Manager: Project Number:	Lisa Nguyen [none]	
Report To: Blackburn Consulting-West Sac. Ryan Schmidt 2491 Boatman Ave. West Sacramento, CA -				
Date Due: 11/17/17 17:00 (5 day TAT)				
Received By: Sunny Lounethone		Date Received:	11/10/17 10:55	
Logged In By: Sunny Lounethone		Date Logged In:	11/10/17 12:00	
Samples Received at: 5.3°C Custody Seals Yes Containers Intact Yes COC/Labels Agree Yes Preservation Confiri No				
Analysis Due	TAT	Expires	Comments	
T172941-01 ADL 34-A [Soil] Sampled 11/((US &)6/17 09:00 (GM'	T-08:00) Pacific Time	e	
6010 Pb 11/17/17 1	5:00 5	05/05/18 09:00		
T172941-02 ADL 34-B [Soil] Sampled 11/0 (US &)6/17 09:00 (GM'	T-08:00) Pacific Time	e	
6010 Pb 11/17/17 1	5:00 5	05/05/18 09:00		
T172941-03 ADL 36-A [Soil] Sampled 11/((US &)6/17 09:30 (GM	T-08:00) Pacific Time	e	
6010 Pb 11/17/17 1	5:00 5	05/05/18 09:30		
T172941-04 ADL 36-B [Soil] Sampled 11/((US &)6/17 09:30 (GM	T-08:00) Pacific Time	e	
6010 Pb 11/17/17 1	5:00 5	05/05/18 09:30		
T172941-05 ADL 36-C [Soil] Sampled 11/0 (US &	06/17 09:30 (GM	T-08:00) Pacific Tim	e	
6010 Pb 11/17/17 1	5:00 5	05/05/18 09:30		
T172941-06 ADL 38-A [Soil] Sampled 11/((US &)6/17 10:00 (GM'	T-08:00) Pacific Time	e	
6010 Pb 11/17/17 1	5:00 5	05/05/18 10:00		
T172941-07 ADL 38-B [Soil] Sampled 11/((US &)6/17 10:00 (GM'	T-08:00) Pacific Time	e	
6010 Pb 11/17/17 1	5:00 5	05/05/18 10:00		

SunStar				Printed: 11/10/2017 2:13:50PM
Laboratories, Inc.	WO	RK ORDER		
Providing Quality Analytical Services Nationwide		172941]	
Client: Blackburn Consulting-West Sac. Project: SR99/120 Interchange		Project Manager: Project Number:	Lisa Nguyen [none]	
Analysis Due	TAT	Expires	Comments	
T172941-08 ADL 38-C [Soil] Sampled 13 (US &	1/06/17 10:00 (GMT	-08:00) Pacific Time	2	
6010 Pb 11/17/17	5 15:00	05/05/18 10:00		
T172941-09 ADL 46-A [Soil] Sampled 11 (US &	1/06/17 10:30 (GMT	-08:00) Pacific Time	2	
6010 Pb 11/17/17	5 15:00	05/05/18 10:30		
T172941-10 ADL 46-B [Soil] Sampled 11 (US &	1/06/17 10:30 (GMT	-08:00) Pacific Time	2	
6010 Pb 11/17/17	5 15:00	05/05/18 10:30		
T172941-11 ADL 46-C [Soil] Sampled 11 (US &	1/06/17 10:30 (GMT	C-08:00) Pacific Time	2	
6010 Pb 11/17/17	5 15:00	05/05/18 10:30		
T172941-12 ADL 47-A [Soil] Sampled 11 (US &	l/06/17 11:00 (GMT	'-08:00) Pacific Time	2	
6010 Pb 11/17/17	5 15:00	05/05/18 11:00		
T172941-13 ADL 47-B [Soil] Sampled 11 (US &	1/06/17 11:00 (GMT	-08:00) Pacific Time	2	
6010 Pb 11/17/17	5 15:00	05/05/18 11:00		
T172941-14 ADL 47-C [Soil] Sampled 13 (US &	1/06/17 11:00 (GMT	C-08:00) Pacific Time	2	
6010 Pb 11/17/17	5 15:00	05/05/18 11:00		
T172941-15 ADL 48-A [Soil] Sampled 11 (US &	1/06/17 11:30 (GMT	'-08:00) Pacific Time	•	
6010 Pb 11/17/17	5 15:00	05/05/18 11:30		
T172941-16 ADL 48-B [Soil] Sampled 11 (US &	1/06/17 11:30 (GMT	'-08:00) Pacific Time		
6010 Pb 11/17/17	15:00 5	05/05/18 11:30		
T172941-17 ADL 48-C [Soil] Sampled 11 (US &	1/06/17 11:30 (GMT	7-08:00) Pacific Time	2	
6010 Pb 11/17/17	5 15:00	05/05/18 11:30		
T172941-18 ADL 49-A [Soil] Sampled 11 (US &	1/06/17 12:00 (GMT	7-08:00) Pacific Time		
6010 Pb 11/17/17	15:00 5	05/05/18 12:00		

SunStar					Printed: 11/10/2017 2:13:50PM
	ies, Inc.	WOR	RK ORDER		
PROVIDING QUALITY ANALYTICAL SER	RVICES NATIONWIDE		172941	Т	
		1	1/2741		
Client: Blackburn Consultin			Project Manager:	Lisa Nguyen	
Project: SR99/120 Interchang	ge		Project Number:	[none]	
Analysis	Due	TAT	Expires	Comments	
T172941-19 ADL 49-B [Soil] (US &	Sampled 11/06/17 12	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 12:00		
T172941-20 ADL 49-C [Soil] (US &	Sampled 11/06/17 1	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 12:00		
T172941-21 ADL 50-A [Soil] (US &	Sampled 11/06/17 12	2:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 12:30		
T172941-22 ADL 50-B [Soil] (US &	Sampled 11/06/17 12	2:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 12:30		
T172941-23 ADL 50-C [Soil] (US &] Sampled 11/06/17 1	2:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 12:30		
T172941-24 ADL 35-A [Soil] (US &	Sampled 11/06/17 1	3:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 13:00		
T172941-25 ADL 35-B [Soil] (US &	Sampled 11/06/17 1	3:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 13:00		
T172941-26 ADL 35-C [Soil] (US &] Sampled 11/06/17 13	3:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 13:00		
T172941-27 ADL 37-A [Soil] (US &	Sampled 11/06/17 1	3:30 (GMT)	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 13:30		
T172941-28 ADL 37-B [Soil] (US &	Sampled 11/06/17 1	3:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 13:30		
T172941-29 ADL 37-C [Soil] (US &	Sampled 11/06/17 1	3:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 13:30		

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Laboratorio	es, Inc.	WOI	RK ORDER		
PROVIDING QUALITY ANALYTICAL SERV	ICES NATIONWIDE		172941	Т	
			1/2/41		
Client: Blackburn Consulting			Project Manager:	Lisa Nguyen	
Project: SR99/120 Interchange			Project Number:	[none]	
Analysis	Due	TAT	Expires	Comments	
T172941-30 ADL 25-A [Soil] (US &	Sampled 11/06/17 14	:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:00		
T172941-31 ADL 25-B [Soil] (US &	Sampled 11/06/17 14	l:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:00		
T172941-32 ADL 25-C [Soil] (US &	Sampled 11/06/17 14	l:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:00		
T172941-33 ADL 26-A [Soil] (US &	Sampled 11/06/17 14	l:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:30		
T172941-34 ADL 26-B [Soil] (US &	Sampled 11/06/17 14	l:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:30		
T172941-35 ADL 26-C [Soil] (US &	Sampled 11/06/17 14	l:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:30		
T172941-36 ADL 24-A [Soil] (US &	Sampled 11/07/17 09	9:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:00		
T172941-37 ADL 24-B [Soil] (US &	Sampled 11/07/17 09):00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:00		
T172941-38 ADL 24-C [Soil] (US &	Sampled 11/07/17 09	9:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:00		
T172941-39 ADL 22-A [Soil] (US &	Sampled 11/07/17 09	9:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:45		
T172941-40 ADL 22-B [Soil] (US &	Sampled 11/07/17 09	9:45 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:45		

SunStar					Printed: 11/10/2017 2:13:50PM
Laboratori	es, Inc.	WOI	RK ORDER		
PROVIDING QUALITY ANALYTICAL SERV	ICES NATIONWIDE		172941	Т	
Client: Blackburn Consulting			Project Manager:	Lisa Nguyen	
Project: SR99/120 Interchange			Project Number:	[none]	
Analysis	Due	TAT	Expires	Comments	
T172941-41 ADL 22-C [Soil] (US &	Sampled 11/07/17 09	9:45 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:45		
T172941-42 ADL 20-A [Soil] (US &	Sampled 11/07/17 10):15 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:15		
T172941-43 ADL 20-B [Soil] (US &	Sampled 11/07/17 10):15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:15		
T172941-44 ADL 20-C [Soil] (US &	Sampled 11/07/17 10):15 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:15		
T172941-45 ADL 18-A [Soil] (US &	Sampled 11/07/17 10):45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:45		
T172941-46 ADL 18-B [Soil] (US &	Sampled 11/07/17 10):45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:45		
T172941-47 ADL 18-C [Soil] (US &	Sampled 11/07/17 10):45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:45		
T172941-48 ADL 15-A [Soil] (US &	Sampled 11/07/17 11	:30 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/06/18 11:30		
T172941-49 ADL 15-B [Soil] (US &	Sampled 11/07/17 11	:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 11:30		
T172941-50 ADL 15-C [Soil] (US &	Sampled 11/07/17 11	l:30 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 11:30		
T172941-51 ADL 16-A [Soil] (US &	Sampled 11/07/17 12	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:00		

SunStar					Printed: 11/10/2017 2:13:50PM
Laboratorio	es, Inc.	WOF	RK ORDER		
PROVIDING QUALITY ANALYTICAL SERV	ICES NATIONWIDE		172941	7	
				<u> </u>	
Client: Blackburn Consulting Project: SR99/120 Interchange			Project Manager: Project Number:	Lisa Nguyen [none]	
Analysis	Due	TAT	Expires	Comments	
T172941-52 ADL 16-B [Soil] (US &	Sampled 11/07/17 12	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:00		
T172941-53 ADL 16-C [Soil] (US &	Sampled 11/07/17 12	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:00		
T172941-54 ADL 44-A [Soil] (US &	Sampled 11/07/17 12	2:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:45		
T172941-55 ADL 44-B [Soil] (US &	Sampled 11/07/17 12	2:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:45		
T172941-56 ADL 44-C [Soil] (US &	Sampled 11/07/17 12	2:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:45		
T172941-57 ADL 45-A [Soil] (US &	Sampled 11/07/17 13	3:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 13:30		
T172941-58 ADL 45-B [Soil] (US &	Sampled 11/07/17 13	3:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 13:30		
T172941-59 ADL 45-C [Soil] (US &	Sampled 11/07/17 13	3:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 13:30		
T172941-60 ADL 13-A [Soil] (US &	Sampled 11/07/17 14	4:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 14:00		
T172941-61 ADL 13-B [Soil] (US &	Sampled 11/07/17 14	4:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 14:00		
T172941-62 ADL 13-C [Soil] (US &	Sampled 11/07/17 14	4:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 14:00		

WORK ORDER T172941 Clean time work was was an and the project Number: Introduction was and the project Number: Introductin was and the project Number:
--

SunStar – Laboratories, Inc.

25712 Commercentre Drive Lake Forest, California 92630 949.297.5020 Phone 949.297.5027 Fax

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

17 November 2017

Ryan Schmidt Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento, CA -RE: SR99/120 Interchange

Enclosed are the results of analyses for samples received by the laboratory on 11/10/17 10:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Nguyen Project Manager Assistant

SunStar — Laboratories, Inc. Providing Quality Analytical Services Nationwide

25712 Commercentre Drive Lake Forest, California 92630 949.297.5020 Phone 949.297.5027 Fax

Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: 2998.X	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	11/17/17 14:08

ANALYTICAL REPORT FOR SAMPLES

ADL 07-A T172943-01 Soil 1108/17 09:00 11/10/17 10:55 ADL 07-B T172943-02 Soil 1108/17 09:00 11/10/17 10:55 ADL 07-C T172943-03 Soil 1108/17 09:04 11/10/17 10:55 ADL 09-A T172943-04 Soil 1108/17 09:05 11/10/17 10:55 ADL 09-B T172943-06 Soil 1108/17 09:05 11/10/17 10:55 ADL 09-C T172943-06 Soil 1108/17 10:30 11/10/17 10:55 ADL 19-C T172943-07 Soil 1108/17 10:30 11/10/17 10:55 ADL 11-A T172943-08 Soil 110/08/17 10:30 11/10/17 10:55 ADL 11-C T172943-09 Soil 11/08/17 10:30 11/10/17 10:55 ADL 39-C T172943-10 Soil 11/08/17 11:5 11/10/17 10:55 ADL 39-C T172943-14 Soil 11/08/17 11:5 11/10/17 10:55 ADL 41-A T172943-14 Soil 11/08/17 11:5 11/10/17 10:55 ADL 41-C T172943-14 Soil 11/08/17 11:5 11/10/17 10:55 ADL 41-C T172943-16 Soil 11/08/17 12:0	Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
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ADL 42-BT172943-23Soil11/08/17 14:1511/10/17 10:55ADL 42-CT172943-24Soil11/08/17 14:1511/10/17 10:55ADL 14-AT172943-25Soil11/08/17 15:0011/10/17 10:55	ADL 40-C	T172943-21	Soil	11/08/17 13:30	11/10/17 10:55
ADL 42-CT172943-24Soil11/08/17 14:1511/10/17 10:55ADL 14-AT172943-25Soil11/08/17 15:0011/10/17 10:55	ADL 42-A	T172943-22	Soil	11/08/17 14:15	11/10/17 10:55
ADL 14-A T172943-25 Soil 11/08/17 15:00 11/10/17 10:55	ADL 42-B	T172943-23	Soil	11/08/17 14:15	11/10/17 10:55
	ADL 42-C	T172943-24	Soil	11/08/17 14:15	11/10/17 10:55
ADL 14-B T172943-26 Soil 11/08/17 15:00 11/10/17 10:55	ADL 14-A	T172943-25	Soil	11/08/17 15:00	11/10/17 10:55
	ADL 14-B	T172943-26	Soil	11/08/17 15:00	11/10/17 10:55

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Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: 2998.X	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	11/17/17 14:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ADL 14-C	T172943-27	Soil	11/08/17 15:00	11/10/17 10:55
ADL 17-A	T172943-28	Soil	11/08/17 15:45	11/10/17 10:55
ADL 17-B	T172943-29	Soil	11/08/17 15:45	11/10/17 10:55
ADL 17-C	T172943-30	Soil	11/08/17 15:45	11/10/17 10:55
ADL 19-A	T172943-31	Soil	11/09/17 09:00	11/10/17 10:55
ADL 19-B	T172943-32	Soil	11/09/17 09:00	11/10/17 10:55
ADL 19-C	T172943-33	Soil	11/09/17 09:00	11/10/17 10:55
ADL 21-A	T172943-34	Soil	11/09/17 09:45	11/10/17 10:55
ADL 21-B	T172943-35	Soil	11/09/17 09:45	11/10/17 10:55
ADL 21-C	T172943-36	Soil	11/09/17 09:45	11/10/17 10:55
ADL 23-A	T172943-37	Soil	11/09/17 10:30	11/10/17 10:55
ADL 23-B	T172943-38	Soil	11/09/17 10:30	11/10/17 10:55
ADL 23-C	T172943-39	Soil	11/09/17 10:30	11/10/17 10:55
ADL 28-A	T172943-40	Soil	11/09/17 11:15	11/10/17 10:55
ADL 28-B	T172943-41	Soil	11/09/17 11:15	11/10/17 10:55
ADL 28-C	T172943-42	Soil	11/09/17 11:15	11/10/17 10:55
ADL 29-A	T172943-43	Soil	11/09/17 12:00	11/10/17 10:55
ADL 29-B	T172943-44	Soil	11/09/17 12:00	11/10/17 10:55
ADL 29-C	T172943-45	Soil	11/09/17 12:00	11/10/17 10:55
ADL 27-A	T172943-46	Soil	11/09/17 12:45	11/10/17 10:55
ADL 27-B	T172943-47	Soil	11/09/17 12:45	11/10/17 10:55
ADL 27-C	T172943-48	Soil	11/09/17 12:45	11/10/17 10:55
ADL 30-A	T172943-49	Soil	11/09/17 09:20	11/10/17 10:55
ADL 30-B	T172943-50	Soil	11/09/17 09:20	11/10/17 10:55
ADL 30-C	T172943-51	Soil	11/09/17 09:20	11/10/17 10:55
ADL 31-A	T172943-52	Soil	11/09/17 10:15	11/10/17 10:55

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Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: 2998.X	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	11/17/17 14:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ADL 31-B	T172943-53	Soil	11/09/17 10:15	11/10/17 10:55
ADL 31-C	T172943-54	Soil	11/09/17 10:15	11/10/17 10:55
ADL 32-A	T172943-55	Soil	11/09/17 10:50	11/10/17 10:55
ADL 32-B	T172943-56	Soil	11/09/17 10:50	11/10/17 10:55
ADL 32-C	T172943-57	Soil	11/09/17 10:50	11/10/17 10:55
ADL 33-A	T172943-58	Soil	11/09/17 11:35	11/10/17 10:55
ADL 33-B	T172943-59	Soil	11/09/17 11:35	11/10/17 10:55
ADL 33-C	T172943-60	Soil	11/09/17 11:35	11/10/17 10:55

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Blackburn Consulting-West Sac.	Project: SR99/1	20 Interch	ange		
491 Boatman Ave. Vest Sacramento CA, -	Project Number: 2998.X Project Manager: Ryan So	chmidt			Reported: 11/17/17 14:08
	DETECTIONS SUM	MARY			
Sample ID: ADL 07-A	Laborator	y ID:	T172943-01		
No Results Detected					
Sample ID: ADL 07-B	Laborator	y ID:	T172943-02		
No Results Detected					
Sample ID: ADL 07-C	Laborator	y ID:	T172943-03		
No Results Detected					
Sample ID: ADL 09-A	Laborator	y ID:	T172943-04		
Ameloto	Result	eporting Limit	Units	Method	Notes
Analyte Lead	17	3.0	mg/kg	EPA 6010b	Troles
Sample ID: ADL 09-B	Laborator	y ID:	T172943-05		
No Results Detected					
Sample ID: ADL 09-C	Laborator	v ID:	T172943-06		

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project: SR99/120 Int Project Number: 2998.X Project Manager: Ryan Schmid			Reported: 11/17/17 14:08
Sample ID: ADL 11-A	Laboratory ID:	T172943-07		
Analyte Lead	Reporti Result Lir 26		Method EPA 6010b	Notes
Sample ID: ADL 11-B	Laboratory ID:	T172943-08		
No Results Detected				
Sample ID: ADL 11-C	Laboratory ID:	T172943-09		
No Results Detected				
Sample ID: ADL 39-A	Laboratory ID:	T172943-10		
Analyte	Reporti Result Lir		Method	Notes
Lead	10	3.0 mg/kg	EPA 6010b	
Sample ID: ADL 39-B	Laboratory ID:	T172943-11		
No Results Detected				
Sample ID: ADL 39-C	Laboratory ID:	T172943-12		
No Results Detected				
Sample ID: ADL 41-A	Laboratory ID:	T172943-13		
No Results Detected				
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Blackburn Consulting-West Sac. 491 Boatman Ave. Vest Sacramento CA, -	Project: SR99/120 Interch Project Number: 2998.X Project Manager: Ryan Schmidt	nange		Reported: 11/17/17 14:08
Sample ID: ADL 41-B	Laboratory ID:	T172943-14		
No Results Detected				
Sample ID: ADL 41-C	Laboratory ID:	T172943-15		
No Results Detected				
Sample ID: ADL 43-A	Laboratory ID:	T172943-16		
No Results Detected				
Sample ID: ADL 43-B	Laboratory ID:	T172943-17		
Analyte Lead	Result Limit 12 3.0	Units mg/kg	Method EPA 6010b	Notes
Sample ID: ADL 43-C	Laboratory ID:	T172943-18		
No Results Detected				
Sample ID: ADL 40-A	Laboratory ID:	T172943-19		
No Results Detected				
Sample ID: ADL 40-B	Laboratory ID:	T172943-20		
Analyte Lead	Reporting Result Limit 9.9 3.0	Units mg/kg	Method EPA 6010b	Notes
unStar Laboratories, Inc.	The results in this repo custody document. Th			rdance with the chain of n its entirety.

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project: SR9 Project Number: 299 Project Manager: Rya		ange		Reported: 11/17/17 14:08
Sample ID: ADL 40-	C	Labora	tory ID:	T172943-21		
No Results Detected						
Sample ID: ADL 42-	A	Labora	tory ID:	T172943-22		
No Results Detected						
Sample ID: ADL 42-	В	Labora	tory ID:	T172943-23		
No Results Detected						
Sample ID: ADL 42-	C	Labora	tory ID:	T172943-24		
No Results Detected						
Sample ID: ADL 14-	A	Labora	tory ID:	T172943-25		
Analyte Lead		Result 130	Reporting Limit 3.0	Units mg/kg	Method EPA 6010b	Notes
Sample ID: ADL 14-	В	Labora	tory ID:	T172943-26		
No Results Detected						
Sample ID: ADL 14-	C	Labora	tory ID:	T172943-27		
No Results Detected						
SunStar Laboratories, Inc.	5			rt apply to the samples s analytical report mus		ance with the chain of is entirety.

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SunStar Laboratories, I Providing Quality Analytical Services Nati					25712 Commercentre D Lake Forest, California 92 949.297.5020 Ph 949.297.5027
Blackburn Consulting-West Sac.	Project: SR99/120 In	terchang	;e		
491 Boatman Ave.	Project Number: 2998.X				Reported:
Vest Sacramento CA, -	Project Manager: Ryan Schmid	lt			11/17/17 14:08
Sample ID: ADL 17-A	Laboratory ID	:]	[172943-28		
No Results Detected					
Sample ID: ADL 17-B	Laboratory ID	: 1	172943-29		
No Results Detected					
Sample ID: ADL 17-C	Laboratory ID	: 1	[172943-30		
	Report	ing			
Analyte		mit	Units	Method	Notes
Lead	26	3.0	mg/kg	EPA 6010b	
Sample ID: ADL 19-A	Laboratory ID	: 1	172943-31		
	Report	ing			
Analyte	Result Li	mit	Units	Method	Notes
Lead	78	3.0	mg/kg	EPA 6010b	
Sample ID: ADL 19-B	Laboratory ID	: 1	172943-32		
	Report	ing			
Analyte		mit	Units	Method	Notes
Lead	41	3.0	mg/kg	EPA 6010b	
Sample ID: ADL 19-C	Laboratory ID	: 1	[172943-33		
No Results Detected					
Sample ID: ADL 21-A	Laboratory ID	: 1	[172943-34		
	Report	ing			
Analyte	Result Li	mit	Units	Method	Notes
Lead	18	3.0	mg/kg	EPA 6010b	

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	Laboratories, Inc.

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ckburn Consulting 1 Boatman Ave. st Sacramento CA,		Project: SF Project Number: 29 Project Manager: Ry		ange		Reported: 11/17/17 14:08
Sample ID:	ADL 21-B	Labor	atory ID:	T172943-35		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		35	3.0	mg/kg	EPA 6010b	
Sample ID:	ADL 21-C	Labor	atory ID:	T172943-36		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		49	3.0	mg/kg	EPA 6010b	
Sample ID:	ADL 23-A	Labor	atory ID:	T172943-37		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		15	3.0	mg/kg	EPA 6010b	
Sample ID:	ADL 23-B	Labor	atory ID:	T172943-38		
No Results De	tected					
Sample ID:	ADL 23-C	Labor	atory ID:	T172943-39		
No Results De	tected					
Sample ID:	ADL 28-A	Labor	atory ID:	T172943-40		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		13	3.0	mg/kg	EPA 6010b	
Sample ID:	ADL 28-B	Labor	atory ID:	T172943-41		

No Results Detected

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project: SR99/120 Interch Project Number: 2998.X Project Manager: Ryan Schmidt	ange		Reported: 11/17/17 14:08
Sample ID: ADL 28-C	Laboratory ID:	T172943-42		
No Results Detected				
Sample ID: ADL 29-A	Laboratory ID:	T172943-43		
Analyte Lead	ReportingResultLimit523.0	Units mg/kg	Method EPA 6010b	Notes
Sample ID: ADL 29-B	Laboratory ID:	T172943-44		
No Results Detected				
Sample ID: ADL 29-C	Laboratory ID:	T172943-45		
No Results Detected				
Sample ID: ADL 27-A	Laboratory ID:	T172943-46		
No Results Detected				
Sample ID: ADL 27-B	Laboratory ID:	T172943-47		
No Results Detected				
Sample ID: ADL 27-C	Laboratory ID:	T172943-48		
No Results Detected				
SunStar Laboratories, Inc.	The results in this repo custody document. This			dance with the chain of its entirety.

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SunStar Laboratories, Inc. Providing Quality Analytical Services Nationwide				5712 Commercentre Dr xe Forest, California 920 949.297.5020 Pho 949.297.5027 F
Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project: SR99/120 Inte Project Number: 2998.X Project Manager: Ryan Schmidt	-		Reported: 11/17/17 14:08
Sample ID: ADL 30-A	Laboratory ID:	T172943-49		
No Results Detected				
Sample ID: ADL 30-B	Laboratory ID:	T172943-50		
No Results Detected				
Sample ID: ADL 30-C	Laboratory ID:	T172943-51		
No Results Detected				
Sample ID: ADL 31-A	Laboratory ID:	T172943-52		
No Results Detected				
Sample ID: ADL 31-B	Laboratory ID:	T172943-53		
No Results Detected				
Sample ID: ADL 31-C	Laboratory ID:	T172943-54		
No Results Detected				
Sample ID: ADL 32-A	Laboratory ID:	T172943-55		
Analyte Lead	Reportin Result Lim 26 3		Method EPA 6010b	Notes
unStar Laboratories, Inc.		eport apply to the sample This analytical report mu		

Lisa Nguyen, Project Manager Assistant

	oratories, Inc. Y Analytical Services Nationwide					25712 Commercentre Dr Lake Forest, California 920 949.297.5020 Pho 949.297.5027 H
ackburn Consulting	g-West Sac.		99/120 Interch	ange		
91 Boatman Ave. est Sacramento CA	_	Project Number: 299 Project Manager: Rya				Reported: 11/17/17 14:08
	, -	Tojeet Manager. Ky				11/1//1/ 14.00
Sample ID:	ADL 32-B	Labora	tory ID:	T172943-56		
No Results De	tected					
Sample ID:	ADL 32-C	Labora	tory ID:	T172943-57		
No Results De	tected					
Sample ID:	ADL 33-A	Labora	tory ID:	T172943-58		
			Reporting			
Analyte Lead		Result 12	Limit 2.7	Units mg/kg	Method EPA 6010b	Notes
Leau		12	2.7	iiig/kg	EFA 00100	
Sample ID:	ADL 33-B	Labora	tory ID:	T172943-59		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		11	3.0	mg/kg	EPA 6010b	
	ADL 33-C		tory ID:	T172943-60		

No Results Detected

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project: SR99/120 Interchange Project Number: 2998.X Project Manager: Ryan Schmidt								
			DL 07-A 943-01 (So	oil)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	ies, Inc.						
Metals by EPA 6010B										
Lead	ND	2.7	mg/kg	1	7111038	11/10/17	11/13/17	EPA 6010b		

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	2491 Boatman Ave. Project Number: 2998.X Repo						Reported 11/17/17 14		
			DL 07-B 043-02 (Sc	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111038	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	P Pr	Reported : 11/17/17 14							
			DL 07-C 43-03 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111038	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Proje Project Numb roject Manag	ber: 2998.3		nge			Reported : 11/17/17 14	
			DL 09-A 943-04 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	17	3.0	mg/kg	1	7111038	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F P.		Reported 11/17/17 14						
			DL 09-B 943-05 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111038	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F Pi	Reported 11/17/17 14							
			DL 09-C 043-06 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111038	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Proje roject Numb oject Manag	er: 2998.3		nge			Reported 11/17/17 14	
			DL 11-A 943-07 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Ş	SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	26	3.0	mg/kg	1	7111038	11/10/17	11/13/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project: SR99/120 Interchange Project Number: 2998.X Project Manager: Ryan Schmidt								Reported: 11/17/17 14:08	
			DL 11-B 943-08 (So	oil)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	es, Inc.						
Metals by EPA 6010B										
Lead	ND	3.0	mg/kg	1	7111038	11/10/17	11/13/17	EPA 6010b		

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	P Pr	Reported: 11/17/17 14:08									
ADL 11-C T172943-09 (Soil)											
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
SunStar Laboratories, Inc.											
Metals by EPA 6010B											
Lead	ND	3.0	mg/kg	1	7111038	11/10/17	11/13/17	EPA 6010b			

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F	Reported: 11/17/17 14:08							
			DL 39-A 943-10 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	10	3.0	mg/kg	1	7111330	11/13/17	11/15/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Proje Project Numb roject Manag		Reported: 11/17/17 14:08							
ADL 39-B T172943-11 (Soil)											
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	es, Inc.							
Metals by EPA 6010B											
Lead	ND	3.0	mg/kg	1	7111330	11/13/17	11/15/17	EPA 6010b			

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SunStar — Laboratories, Inc. PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE Project: SR99/120 Interchange Blackburn Consulting-West Sac. 2491 Boatman Ave. Project Number: 2998.X West Sacramento CA, -Project Manager: Ryan Schmidt

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aborator	ies, Inc.					
Metals by EPA 6010B									

mg/kg

1

7111330

11/13/17

11/15/17

3.0

Lead

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Reported:

11/17/17 14:08

EPA 6010b

ND

ADL 39-C

T172943-12 (Soil)

25712 Commercentre Drive Lake Forest, California 92630 949.297.5020 Phone 949.297.5027 Fax

Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XProject Manager:Ryan Schmidt11/17/17 14:08									
			DL 41-A 943-13 (So	oil)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	ies, Inc.						
Metals by EPA 6010B										
Lead	ND	3.0	mg/kg	1	7111330	11/13/17	11/15/17	EPA 6010b		

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	l P	Reported: 11/17/17 14							
			DL 41-B 943-14 (Sc	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	2.7	mg/kg	1	7111330	11/13/17	11/15/17	EPA 6010b	

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XProject Manager:Ryan Schmidt11/17/17 14:08										
			DL 41-C 943-15 (So	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	es, Inc.							
Metals by EPA 6010B											
Lead	ND	3.0	mg/kg	1	7111330	11/13/17	11/15/17	EPA 6010b			

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	l P	Reported: 11/17/17 14:08							
			DL 43-A 943-16 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111330	11/13/17	11/15/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XProject Manager:Ryan Schmidt11/17/17 14:08										
· · · · · · · · · · · · · · · · · · ·			DL 43-B 043-17 (So	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	es, Inc.							
Metals by EPA 6010B											
Lead	12	3.0	mg/kg	1	7111330	11/13/17	11/15/17	EPA 6010b			

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XReported:Project Manager:Ryan Schmidt11/17/17 14:08										
			DL 43-C 943-18 (So								
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	ies, Inc.							
Metals by EPA 6010B											
Lead	ND	3.0	mg/kg	1	7111330	11/13/17	11/15/17	EPA 6010b			

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	l P	Reported: 11/17/17 14							
			DL 40-A 943-19 (Sc	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	2.7	mg/kg	1	7111330	11/13/17	11/15/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XReported:Project Manager:Ryan Schmidt11/17/17 14:08										
			DL 40-B 43-20 (So	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	ies, Inc.							
Metals by EPA 6010B											
Lead	9.9	3.0	mg/kg	1	7111330	11/13/17	11/15/17	EPA 6010b			

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XReported:Project Manager:Ryan Schmidt11/17/17 14:08										
			DL 40-C 943-21 (So	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	es, Inc.							
Metals by EPA 6010B											
Lead	ND	3.0	mg/kg	1	7111330	11/13/17	11/15/17	EPA 6010b			

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	I P	Reported: 11/17/17 14							
			DL 42-A 943-22 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111330	11/13/17	11/15/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	I P	Reported: 11/17/17 14							
			DL 42-B 943-23 (So	il)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111330	11/13/17	11/15/17	EPA 6010b	

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XReported:Project Manager:Ryan Schmidt11/17/17 14:08										
			DL 42-C 943-24 (Se	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	ies, Inc.							
Metals by EPA 6010B											
Lead	ND	3.0	mg/kg	1	7111330	11/13/17	11/15/17	EPA 6010b			

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XReported:Project Manager:Ryan Schmidt11/17/17 14:08											
			DL 14-A 943-25 (So	oil)								
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes			
		SunStar L	aboratori	es, Inc.								
Metals by EPA 6010B												
Lead	130	3.0	mg/kg	1	7111330	11/13/17	11/15/17	EPA 6010b				

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XProject Manager:Ryan Schmidt11/17/17 14:08											
		Al	DL 14-B 043-26 (Sc									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes			
		SunStar L	aboratori	ies, Inc.								
Metals by EPA 6010B												
Lead	ND	2.7	mg/kg	1	7111330	11/13/17	11/15/17	EPA 6010b				

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XProject Manager:Ryan Schmidt11/17/17 14:08										
			DL 14-C 943-27 (So								
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	ies, Inc.							
Metals by EPA 6010B											
Lead	ND	3.0	mg/kg	1	7111332	11/13/17	11/14/17	EPA 6010b			

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XProject Manager:Ryan Schmidt11/17/17 14:08										
			DL 17-A 943-28 (So	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	es, Inc.							
Metals by EPA 6010B											
Lead	ND	3.0	mg/kg	1	7111332	11/13/17	11/14/17	EPA 6010b			

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XProject Manager:Ryan Schmidt11/17/17 14:08										
			DL 17-B 043-29 (Sc	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	es, Inc.							
Metals by EPA 6010B											
Lead	ND	3.0	mg/kg	1	7111332	11/13/17	11/14/17	EPA 6010b			

Lead

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Lisa Nguyen, Project Manager Assistant

Laboratories, Inc. Providing Quality Analytical Services Nationwide							La		ornia 926 5020 Pho 97.5027 Fa
Blackburn Consulting-West Sac.		Proje Project Numb		120 Interchar	nge				
2491 Boatman Ave.		Reported							
West Sacramento CA, -		Project Manag	er: Ryan	Schmidt				11/17/17 14	:08
			DL 17-C 943-30 (Se						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
-		SunStar L				-			

mg/kg

7111332

1

11/13/17

11/14/17

EPA 6010b

3.0

26

Lead

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XReported:Project Manager:Ryan Schmidt11/17/17 14:08										
			DL 19-A 43-31 (Se	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
	:	SunStar La	borator	ies, Inc.							
Metals by EPA 6010B											
Lead	78	3.0	mg/kg	1	7111332	11/13/17	11/14/17	EPA 6010b			

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XProject Manager:Ryan Schmidt11/17/1714:08										
			DL 19-B 43-32 (Se								
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar La	borator	ies, Inc.							
Metals by EPA 6010B											
Lead	41	3.0	mg/kg	1	7111332	11/13/17	11/14/17	EPA 6010b			

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XProject Manager:Ryan Schmidt11/17/17 14:08										
			DL 19-C 43-33 (So	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar La	aboratori	ies, Inc.							
Metals by EPA 6010B											
Lead	ND	3.0	mg/kg	1	7111332	11/13/17	11/14/17	EPA 6010b			

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XProject Manager:Ryan Schmidt11/17/17 14:08											
			DL 21-A 43-34 (So	oil)								
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes			
		SunStar L	aboratori	es, Inc.								
Metals by EPA 6010B												
Lead	18	3.0	mg/kg	1	7111332	11/13/17	11/14/17	EPA 6010b				

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave.	Project:SR99/120 InterchangeProject Number:2998.XProject Manager:Ryan Schmidt11/17/17 14:08										
		A	DL 21-B								
		T1729	943-35 (So	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	es, Inc.							
Metals by EPA 6010B											
Lead	35	3.0	mg/kg	1	7111332	11/13/17	11/14/17	EPA 6010b			

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

SunStar Laboratories, Inc. Providing Quality Analytical Services Nationwide							_		
Blackburn Consulting-West Sac.		Projec	et: SR99/	120 Interchar	nge				
2491 Boatman Ave.		Project Numbe	er: 2998.2	X				Reported	:
West Sacramento CA, - Project Manager: Ryan Schmidt								11/17/17 14	:08
)L 21-C 43-36 (Se						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar La	borator	ies, Inc.					

mg/kg

7111332

1

11/13/17

11/14/17

EPA 6010b

3.0

49

Lead

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XProject Manager:Ryan Schmidt11/17/17 14:08										
			DL 23-A 943-37 (So	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	ies, Inc.							
Metals by EPA 6010B											
Lead	15	3.0	mg/kg	1	7111332	11/13/17	11/14/17	EPA 6010b			

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XReported:Project Manager:Ryan Schmidt11/17/17 14:08									
			DL 23-B 43-38 (So	oil)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	es, Inc.						
Metals by EPA 6010B										
Lead	ND	3.0	mg/kg	1	7111332	11/13/17	11/14/17	EPA 6010b		

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XReported:Project Manager:Ryan Schmidt11/17/17 14:08										
			DL 23-C 943-39 (So	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	ies, Inc.							
Metals by EPA 6010B											
Lead	ND	3.0	mg/kg	1	7111332	11/13/17	11/14/17	EPA 6010b			

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XReported:Project Manager:Ryan Schmidt11/17/17 14:08										
			DL 28-A 943-40 (So	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
	:	SunStar L	aboratori	ies, Inc.							
Metals by EPA 6010B											
Lead	13	3.0	mg/kg	1	7111332	11/13/17	11/14/17	EPA 6010b			

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	I P	Reported: 11/17/17 14							
			DL 28-B 943-41 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111332	11/13/17	11/14/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XReportProject Manager:Ryan Schmidt11/17/17									
			DL 28-C 43-42 (Se	oil)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar La	aboratori	ies, Inc.						
Metals by EPA 6010B										
Lead	ND	3.0	mg/kg	1	7111332	11/13/17	11/14/17	EPA 6010b		

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

SunStar Laboratories, Inc Providing Quality Analytical Services Nationwi									
Blackburn Consulting-West Sac.		Proje	ct: SR99	/120 Intercha	ıge				
2491 Boatman Ave.		Project Numb	er: 2998	Х				Reporte	1:
West Sacramento CA, -		Project Manag	er: Ryan	Schmidt				11/17/17 1	4:08
			DL 29-A 43-43 (8	-					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aborato	ries, Inc.					

3.0

mg/kg

7111332

1

11/13/17

11/14/17

EPA 6010b

52

Metals by EPA 6010B

Lead

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	P Pi	Reported 11/17/17 14							
			DL 29-B 43-44 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111332	11/13/17	11/14/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XProject Manager:Ryan Schmidt11/17/17 14:08										
			DL 29-C 043-45 (So	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	es, Inc.							
Metals by EPA 6010B											
Lead	ND	2.7	mg/kg	1	7111332	11/13/17	11/14/17	EPA 6010b			

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XProject Manager:Ryan Schmidt11/17/17 14:08										
			DL 27-A 943-46 (So	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	es, Inc.							
Metals by EPA 6010B											
Lead	ND	3.0	mg/kg	1	7111332	11/13/17	11/14/17	EPA 6010b			

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XReported:Project Manager:Ryan Schmidt11/17/17 14:08									
			DL 27-B 943-47 (So	oil)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	es, Inc.						
Metals by EPA 6010B										
Lead	ND	3.0	mg/kg	1	7111334	11/13/17	11/14/17	EPA 6010b		

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XReported:Project Manager:Ryan Schmidt11/17/17 14:08									
			DL 27-C 943-48 (So	oil)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	es, Inc.						
Metals by EPA 6010B										
Lead	ND	3.0	mg/kg	1	7111334	11/13/17	11/14/17	EPA 6010b		

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F	Reported : 11/17/17 14							
			DL 30-A 943-49 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111334	11/13/17	11/14/17	EPA 6010b	

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	l P	Reported: 11/17/17 14							
			DL 30-B 943-50 (Sc	il)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111334	11/13/17	11/14/17	EPA 6010b	

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

25712 Commercentre Drive Lake Forest, California 92630 949.297.5020 Phone 949.297.5027 Fax

Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XProject Manager:Ryan Schmidt11/17/17 14:08										
			DL 30-C 043-51 (So	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	ies, Inc.							
Metals by EPA 6010B											
Lead	ND	2.7	mg/kg	1	7111334	11/13/17	11/14/17	EPA 6010b			

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	P Pr	Reported: 11/17/17 14:08							
			DL 31-A 943-52 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111334	11/13/17	11/14/17	EPA 6010b	

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	F P	Reported : 11/17/17 14							
			DL 31-B 943-53 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111334	11/13/17	11/14/17	EPA 6010b	

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XProject Manager:Ryan Schmidt11/17/17 14:08										
			DL 31-C 943-54 (So								
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	ies, Inc.							
Metals by EPA 6010B											
Lead	ND	2.7	mg/kg	1	7111334	11/13/17	11/14/17	EPA 6010b			

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XProject Manager:Ryan Schmidt11/17/17 14:08									
)L 32-A 43-55 (Se	oil)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar La	borator	ies, Inc.						
Metals by EPA 6010B										
Lead	26	3.0	mg/kg	1	7111334	11/13/17	11/14/17	EPA 6010b		

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project: SR99/120 Interchange Project Number: 2998.X Project Manager: Ryan Schmidt								
			DL 32-B 943-56 (So	oil)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aboratori	ies, Inc.						
Metals by EPA 6010B										
Lead	ND	3.0	mg/kg	1	7111334	11/13/17	11/14/17	EPA 6010b		

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XReported:Project Manager:Ryan Schmidt11/17/17 14:08										
			DL 32-C 943-57 (So	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	es, Inc.							
Metals by EPA 6010B											
Lead	ND	3.0	mg/kg	1	7111334	11/13/17	11/14/17	EPA 6010b			

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XProject Manager:Ryan Schmidt11/17/17 14:08										
west Sacramento CA, -		AI	DL 33-A 943-58 (So					11/1//1/ 14	.08		
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	es, Inc.							
Metals by EPA 6010B											
Lead	12	2.7	mg/kg	1	7111334	11/13/17	11/14/17	EPA 6010b			

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -	Project:SR99/120 InterchangeProject Number:2998.XReported:Project Manager:Ryan Schmidt11/17/17 14:08										
			DL 33-B 943-59 (Sc	oil)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar L	aboratori	es, Inc.							
Metals by EPA 6010B											
Lead	11	3.0	mg/kg	1	7111334	11/13/17	11/14/17	EPA 6010b			

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Proje roject Numb roject Manag	oer: 2998.3		nge			Reported 11/17/17 14	
			DL 33-C 943-60 (So	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Lead	ND	3.0	mg/kg	1	7111334	11/13/17	11/14/17	EPA 6010b	

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Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: 2998.X	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	11/17/17 14:08

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 7111038 - EPA 3051										
Blank (7111038-BLK1)				Prepared:	11/10/17 A	nalyzed: 11	/13/17			
Lead	ND	3.0	mg/kg							
LCS (7111038-BS1)				Prepared:	11/10/17 A	nalyzed: 11	/13/17			
Lead	106	3.0	mg/kg	100		106	75-125			
Matrix Spike (7111038-MS1)	Sour	ce: T172943-	·08	Prepared:	11/10/17 A	nalyzed: 11	/13/17			
Lead	124	3.0	mg/kg	98.0	ND	127	75-125			QM-05
Matrix Spike Dup (7111038-MSD1)	Sour	ce: T172943-	·08	Prepared:	11/10/17 A	nalyzed: 11	/13/17			
Lead	118	3.0	mg/kg	92.6	ND	127	75-125	5.44	20	QM-05
Batch 7111330 - EPA 3050B										
Blank (7111330-BLK1)				Prepared:	11/13/17 A	nalyzed: 11	/15/17			
Lead	ND	3.0	mg/kg							
LCS (7111330-BS1)				Prepared:	11/13/17 A	nalyzed: 11	/15/17			
Lead	106	3.0	mg/kg	100		106	75-125			
Matrix Spike (7111330-MS1)	Sour	ce: T172876-	-01	Prepared:	11/13/17 A	nalyzed: 11	/15/17			
Lead	122	3.0	mg/kg	95.2	14.4	113	75-125			
Matrix Spike Dup (7111330-MSD1)	Sour	ce: T172876-	·01	Prepared:	11/13/17 A	nalyzed: 11	/15/17			
Lead	117	3.0	mg/kg	100	14.4	102	75-125	4.08	20	
Batch 7111332 - EPA 3050B										
Blank (7111332-BLK1)				Prepared:	11/13/17 A	nalyzed: 11	/14/17			
Lead	ND	3.0	mg/kg							

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custody document. This analytical report must be reproduced in its entirety.

The results in this report apply to the samples analyzed in accordance with the chain of

Lisa Nguyen, Project Manager Assistant

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SunStar Laboratories, Inc.								
	Metals by EPA 6010)B - Quality Control						
West Sacramento CA, -	Project Manager:	Ryan Schmidt	11/17/17 14:08					
2491 Boatman Ave.	Project Number:	2998.X	Reported:					
Blackburn Consulting-West Sac.	Project:	SR99/120 Interchange						

				,						
Analista	Result	Reporting	Units	Spike	Source Result	%REC	%REC	RPD	RPD Limit	Nataa
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	KPD	Limit	Notes
Batch 7111332 - EPA 3050B										
LCS (7111332-BS1)				Prepared:	11/13/17 Ai	nalyzed: 11	/14/17			
Lead	99.8	3.0	mg/kg	100		99.8	75-125			
Matrix Spike (7111332-MS1)	Sour	ce: T172943-	27	Prepared: 1	11/13/17 Ai	nalyzed: 11	/14/17			
Lead	107	3.0	mg/kg	93.5	2.61	111	75-125			
Matrix Spike Dup (7111332-MSD1)	Sour	ce: T172943-	27	Prepared: 1	11/13/17 Ai	nalyzed: 11	/14/17			
Lead	105	3.0	mg/kg	92.6	2.61	111	75-125	1.41	20	
Batch 7111334 - EPA 3050B										
Blank (7111334-BLK1)				Prepared: 1	11/13/17 Ai	nalyzed: 11	/14/17			
Lead	ND	3.0	mg/kg							
LCS (7111334-BS1)				Prepared: 1	11/13/17 Ai	nalyzed: 11	/14/17			
Lead	101	3.0	mg/kg	100		101	75-125			
Matrix Spike (7111334-MS1)	Sour	ce: T172943-	47	Prepared:	11/13/17 Ai	nalyzed: 11	/14/17			
Lead	101	3.0	mg/kg	99.0	ND	102	75-125			
Matrix Spike Dup (7111334-MSD1)	Sour	ce: T172943-	47	Prepared:	11/13/17 Ai	nalyzed: 11	/14/17			
Lead	92.1	3.0	mg/kg	93.5	ND	98.5	75-125	9.31	20	
Loud	2.1	5.0	mg/kg	75.5	TLD .	20.5	75 125	7.51	20	

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Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: 2998.X	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	11/17/17 14:08

Notes and Definitions

- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS was within acceptance criteria. The data is acceptable as no negative impact on data is expected.
- DET
 Analyte DETECTED

 ND
 Analyte NOT DETECTED at or above the reporting limit

 NR
 Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

																						٨	
Sample disposal Instructions: Dis	Relinquished by: (signature)	1-11-17 CEO 11-10-17	Relinquished by: (signature)	Relinquished by: (signature)			ADE IT TAUS,C	1- 1-1	42 - A	-	43-A	- 14	A DE	11 - 18	09	AD- 07 - 18 C	Sample ID	Manager	Phone: 707 537 57	Client: DladeJurvi Cons		SunStar Laboratories, Inc. PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE 25712 Commercentre Drive, Lake Forest, CA 92630 949-297-5020	
Disposal @ \$2.00 each	Date / Time	10:55	Date / T	Date / T				+								L1/8/11	Date	Schmidt	76	11 11 1 2 1	- china	es, Inc. vices Nationwide rive, Lake F	
each			13: 50 Time	Time			17. 5	12:00	14:17	13:30	12:45	12:00	51:11	10130	Shib	9:00	Time	d+	Fax:			- orest, CA 9	
Return to client	Received by: (signature)	A	Received by: (signature	Received by: (signature)	1 			+		+						<u>8</u> :	Sample					2630	
client	: (signature)	X	by: (signature)	(signature)				-							-	(Labss	Container Type			έ.E.		Chain of Custody Reco	
		140-17															8260					fO	
Pickup		F	1														8260 + OXY					SU	
, dn	Dat	6	Dat	Dat													8260 BTEX, OXY only					to	
	Date / Time	10:55	Date / Time	Date / Time													8270	Bat	Coll	Projec		dy	
	ime		ime	ime													8021 BTEX	Batch #:	Collector:	Project Na	2	Re	
			° S	í													8015M (gasoline)	. 	ă 	Nan	-	co	
	Tur	7				Τ											8015M (diesel)	1		me:	2	ord	
	n aro	ecei	ain o														8015M Ext./Carbon Chain	E.		SF	ī		
	Turn around time:	Received good condition/cold	Chain of Custody seals (/////NA Seals intact?/////NA	H							1			N			6010/7000 Title 22 Metals Lead	TITLANS		SZ991			
	l tim	pood	tody als i	otal #													6020 ICP-MS Metals	43	-	1/1			
		conc	Seals intact?////NA	Total # of containers				1												120			
	4	lition	<u>S</u> C	onta				22	_	_	16	S	0	9	2	9							
	g	/cold	J/NA	iners				200	2 2	3 8	F	14	11	80	S	02				H			
-		5.3						30	2	2 2	00	5	2	09	8	03	Laboratory ID #	EDF #:	Client	verc	Dane		
coc 160742	Hold samples)	DISCRETES	Notes													Comments/Preservative		Client Project #: 2998.X	havinge	or L		
																	Total # of containers						

										10	jie,												٨
Sample disposal Instructions: Di	Relinquished by: (signature)	650 11047	Relinguished by: (signature)	Mr. Sdurth	Relinquished by: (signature)			ADL 22 ABC	22 4	20/ 1 A	ADL 30 - ABC		29 - 1	26 - 2	13 - A	ADL 21 - ABic		Sample ID	Project Manager: Rycm	Phone: 707 537 57	Client: Black burn	PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE 25712 Commercentre Drive, Lake Forest, CA 92630 949-297-5020	SunStar Laboratories.
Disposal @ \$2.00 each	Date / Time	10:55	Date / Time	- 11/9	Date / Time			,										Date Sampled	Sc	31	Consultiv	Drive, Lake Fo	ies. Inc.
ch 	ē		e	350	le				11:25	2110	9:20	12:45	12:00	11:15	10:30	24:45	9:00	Time	hmide	Fax:	Hing	rest, CA	
Return to client	Received b	A	Received by	EX X3	Received by				-							-	Soil	Sample Type				92630	
o client	Received by: (signature)		Received by: (signature)	Same	Received by: (signature)	-					-					-	(1a25	Container Type					Chain
Pickup		11-10-17		11/2														8260 8260 + OXY			1 1		of Cus
up	Date / Time	10:55	Date / Time	17	Date / Time													8260 BTEX, OXY only 8270 8021 BTEX	Batch #:	Collector:	Date:_ Projec		Chain of Custody Record
				1350 Cha						-								8015M (gasoline) 8015M (diesel)	#	tor:	Date: 11(9) Project Name:_	-	ecord
	Turn around time:	Received good condition/cold	Sea	Chain of Custody seals Y	Tot			$\overline{\ }$			1				1			8015M Ext./Carbon Chain 6010/7000 Title 22 Metals (1172943	0-11-	SE99		
	ime:	od conditic	Seals intact? YN/NA	ody seals Y	Total # of containers	_	-	_	52	20	24	46	43	017	37	46	3(6020 ICP-MS Metals		à	120		
	Ð			ANINA	tainers		\top		_	2 23	-	+	44	41	80	57	202				t l		
-		6.3							66	707	51	48	15	42	96	36	50	Laboratory ID #	EDF #:	Client	Page:		
coc 160743	Hold samples	-	TT SAMPLES	DISCRETE C	Notes													Comments/Preservative		Client Project #: 2998.X	P Q Q		
																		Total # of containers			PA.		



SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #:	T1	72943			*	
Client Name:		onsulting - West amento	Project:	1	SR99/120	Interchange
Delivered by:	Client] SunStar Courier	⊠ GSO [FedEx	Other	
If Courier, Received by:			Date/Time Con Received:			
Lab Received by:	S	unny	Date/Time Lab Received:		11-10-17	10:55
Total number of coolers re	eceived: 1	a.			c.	-
Temperature: Cooler #1	5.5 °C +	/- the CF (- 0.2°C)	= 5.3	°C correct	ed temperature	ч л
Temperature: Cooler #2	°C +	/- the CF (- 0.2°C)	=	°C correct	ed temperature	
Temperature: Cooler #3	°C +	/- the CF (- 0.2°C)	=	°C correct	ed temperature	
Temperature criteria = < (no frozen containers)	≤6°C	Within cr	iteria?	Yes	No	
If NO:		2				
Samples received	on ice?	Yes		\square No \rightarrow	e Non-Confo	rmance Sheet
Samples received If on ice, samples collected?		dav	Acceptable	Complete □No →		ormance Sheet ormance Sheet
If on ice, samples	received same	dav	Acceptable	Complete □No →	e Non-Confo	
If on ice, samples collected?	received same	dav	Acceptable	Complete □No → Complete	e Non-Confo	ormance Sheet
If on ice, samples collected? Custody seals intact on co	received same o oler/sample	day □Yes →	Acceptable	Complete □No → Complete XYes	e Non-Confo	ormance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact	received same o oler/sample n of Custody IE	day □Yes →	Acceptable	Complete □No → Complete XYes XYes	e Non-Confo No*	ormance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai	received same o oler/sample n of Custody IE rs received mate	$\frac{day}{\Box Yes} \rightarrow$	Acceptable	Complete □No → Complete XYes XYes XYes XYes	e Non-Confo No* No* No* No*	ormance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai Total number of container	received same of oler/sample n of Custody IE rs received mate d for analyses re	$\frac{day}{\Box Yes} \rightarrow$ Os Ch COC equested on COC		Complete □No → Complete ☑Yes ☑Yes ☑Yes ☑Yes ☑Yes	e Non-Confo No* No* No* No* No* No*	ormance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai Total number of container Proper containers received	received same of oler/sample n of Custody IE rs received mate d for analyses re- uted on COC/co- yed in good con-	day ☐Yes → Os ch COC equested on COC ntainers for analyses dition with correct to	s requested emperatures,	Complete □No → Complete ¥es ¥es ¥es ¥es ¥es ¥es	e Non-Confo No* No* No* No* No* No*	ormance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai Total number of container Proper containers received Proper preservative indica Complete shipment receive containers, labels, volume	received same of oler/sample n of Custody II rs received mate d for analyses re- ated on COC/co- yed in good con- es preservatives	day \Box Yes \rightarrow Os th COC equested on COC ntainers for analyses dition with correct to and within method s	s requested emperatures,	Complete No → Complete Yes Yes Yes Yes Yes Yes Yes Ye	e Non-Confo No* No* No* No* No* No* No* No* No* No*	ormance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai Total number of container Proper containers received Proper preservative indica Complete shipment receive containers, labels, volume holding times	received same of oler/sample n of Custody II rs received mate d for analyses re- ated on COC/co- yed in good con- es preservatives	day \Box Yes \rightarrow Os th COC equested on COC ntainers for analyses dition with correct to and within method s	s requested emperatures, specified	Complete No → Complete Yes Yes Yes Yes Yes Yes Yes Ye	e Non-Confo No* No* No* No* No* No* No* No* No* No*	ormance Sheet]N/A]M/A



SAMPLE NON-CONFORMANCE SHEET

Batch/Work Order # T172943	
 COOLERS Not Received (received COC only) Leaking/Damaged Other: CUSTODY SEALS 	 LABELS Not the same sample ID / info as on the COC Incomplete Information Markings/Info illegible SAMPLES
□ None	□ Samples NOT RECEIVED but listed on COC
□ Not Intact	□ Samples received but NOT LISTED on COC
• TEMPERATURE (Temp criteria = $\leq 6^{\circ}$ C)	□ Logged based on Label Information and not COC
□ Cooler/Sample Temp(s)	Logged according to Work Plan and not COC
□ Temperature Blank(s)	Logged in, ON HOLD until further notice
 CHAIN OF CUSTODY (COC) 	Insufficient quantities for analysis
□ Not relinquished by client; No date/time relinquished	□ Improper container used
□ Incomplete information provided	☐ Mislabeled as to tests, preservatives, etc.
\Box COC not received – notify PM	□ Holding time expired – list sample ID and test
CONTAINERS	□ Not preserved/Improper preservative used
□ Leaking □ Broken	□ Without Labels, no information on containers
□ Extra □ Missing	Other
Comments:	

Sample fractioning only if broken container compromises other samples or if out of temp reading impacts more than one cooler

Fraction							1		4			Preser.
VOA		1.2			-		a . 4					
×					1.1	6			1.42			
		1		С. <u>с</u> .				1. N.				
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	-		2				2					
2												

Page 2 of 2

SunStar Laboratories, Inc. Providing Quality Analytical Services Nationwide		ORK ORDER	-	Printed: 11/10/2017 2:18:09PM
1	F	Г172943		
Client: Blackburn Consulting-West Sac. Project: SR99/120 Interchange		Project Manager: Project Number:	Lisa Nguyen 2998.X	
<u>Report To:</u> Blackburn Consulting-West Sac. Ryan Schmidt 2491 Boatman Ave. West Sacramento, CA -				
Date Due: 11/17/17 17:00 (5 day TAT)				
Received By:Dan MarteskiLogged In By:Dan Marteski		Date Received: Date Logged In:	11/10/17 10:55 11/10/17 12:25	
Samples Received at: 5.3°C Custody SealsYesReceived On IceYesContainers IntactYesCOC/Labels AgreeYesPreservation ConfiriYes				
Analysis Due	TAT	Expires	Comments	
T172943-01 ADL 07-A [Soil] Sampled 11/0 (US &	8/17 09:00 (GM)	T-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15	5:00 5	05/07/18 09:00		
T172943-02 ADL 07-B [Soil] Sampled 11/0 (US &	8/17 09:00 (GM)	T-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15	5:00 5	05/07/18 09:00		
T172943-03 ADL 07-C [Soil] Sampled 11/0 (US &	8/17 09:00 (GM	T-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15	5:00 5	05/07/18 09:00		
T172943-04 ADL 09-A [Soil] Sampled 11/0 (US &	8/17 09:45 (GM)	T-08:00) Pacific Time	e	
6010 Pb 11/17/17 15	5:00 5	05/07/18 09:45		
T172943-05 ADL 09-B [Soil] Sampled 11/0 (US &	8/17 09:45 (GM'	T-08:00) Pacific Time	e	
6010 Pb 11/17/17 15	5:00 5	05/07/18 09:45		
T172943-06 ADL 09-C [Soil] Sampled 11/0 (US &	8/17 09:45 (GM'	T-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15	5:00 5	05/07/18 09:45		
T172943-07 ADL 11-A [Soil] Sampled 11/0 (US &	8/17 10:30 (GM)	Г-08:00) Pacific Time	e	
6010 Pb 11/17/17 15	5:00 5	05/07/18 10:30		

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Laborator	ies, Inc.	WO	RK ORDER		
PROVIDING QUALITY ANALYTICAL SE	ERVICES NATIONWIDE		¹ 172943	7	
				<u> </u>	
Client: Blackburn Consultin Project: SR99/120 Interchang	•		Project Manager: Project Number:	Lisa Nguyen 2998.X	
Analysis	Due	TAT	Expires	Comments	
T172943-08 ADL 11-B [Soil] (US &] Sampled 11/08/17 10	0:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 10:30		
T172943-09 ADL 11-C [Soil] (US &] Sampled 11/08/17 10	0:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 10:30		
T172943-10 ADL 39-A [Soil (US &] Sampled 11/08/17 1	1:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 11:15		
T172943-11 ADL 39-B [Soil] (US &] Sampled 11/08/17 11	l:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 11:15		
T172943-12 ADL 39-C [Soil (US &] Sampled 11/08/17 1	1:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 11:15		
T172943-13 ADL 41-A [Soil] (US &] Sampled 11/08/17 12	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:00		
T172943-14 ADL 41-B [Soil] (US &] Sampled 11/08/17 12	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:00		
T172943-15 ADL 41-C [Soil (US &] Sampled 11/08/17 12	2:00 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:00		
T172943-16 ADL 43-A [Soil] (US &] Sampled 11/08/17 12	2:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:45		
T172943-17 ADL 43-B [Soil (US &] Sampled 11/08/17 12	2:45 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:45		
T172943-18 ADL 43-C [Soil (US &] Sampled 11/08/17 1	2:45 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:45		

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Laboratori	les, Inc.	WOF	RK ORDER		
PROVIDING QUALITY ANALYTICAL SEI	RVICES NATIONWIDE		172943		
Client: Blackburn Consultin Project: SR99/120 Interchang	-		Project Manager: Project Number:	Lisa Nguyen 2998.X	
110ject. SK99/120 Interchang	e		T Toject Number.	2990 . A	
Analysis	Due	TAT	Expires	Comments	
T172943-19 ADL 40-A [Soil] (US &	Sampled 11/08/17 13	3:30 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 13:30		
T172943-20 ADL 40-B [Soil] (US &	Sampled 11/08/17 1.	3:30 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 13:30		
T172943-21 ADL 40-C [Soil] (US &	Sampled 11/08/17 13	3:30 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 13:30		
T172943-22 ADL 42-A [Soil] (US &	Sampled 11/08/17 14	4:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 14:15		
T172943-23 ADL 42-B [Soil] (US &	Sampled 11/08/17 14	4:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 14:15		
T172943-24 ADL 42-C [Soil] (US &	Sampled 11/08/17 14	4:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 14:15		
T172943-25 ADL 14-A [Soil] (US &	Sampled 11/08/17 1	5:00 (GMT	-08:00) Pacific Time		
6010 Pb	11/17/17 15:00	5	05/07/18 15:00		
T172943-26 ADL 14-B [Soil] (US &	Sampled 11/08/17 1	5:00 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 15:00		
T172943-27 ADL 14-C [Soil] (US &	Sampled 11/08/17 1	5:00 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 15:00		
T172943-28 ADL 17-A [Soil] (US &	Sampled 11/08/17 1	5:45 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/07/18 15:45		
T172943-29 ADL 17-B [Soil] (US &	Sampled 11/08/17 1	5:45 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/07/18 15:45		

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	ies, Inc.	WOI	RK ORDER		
PROVIDING QUALITY ANALYTICAL SE	rvices Nationwide		172943	П	
Client: Blackburn Consultin Project: SR99/120 Interchang	-		Project Manager: Project Number:	Lisa Nguyen 2998.X	
110ject. SK99/120 Interchang	je		Troject Number.	2990.A	
Analysis	Due	TAT	Expires	Comments	
T172943-30 ADL 17-C [Soil] (US &] Sampled 11/08/17 1	5:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 15:45		
T172943-31 ADL 19-A [Soil] (US &	Sampled 11/09/17 09	9:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:00		
T172943-32 ADL 19-B [Soil] (US &	Sampled 11/09/17 09	9:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:00		
T172943-33 ADL 19-C [Soil] (US &] Sampled 11/09/17 0	9:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:00		
T172943-34 ADL 21-A [Soil] (US &	Sampled 11/09/17 09	9:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:45		
T172943-35 ADL 21-B [Soil] (US &	Sampled 11/09/17 09	9:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:45		
T172943-36 ADL 21-C [Soil] (US &] Sampled 11/09/17 0	9:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:45		
T172943-37 ADL 23-A [Soil] (US &	Sampled 11/09/17 1	0:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:30		
T172943-38 ADL 23-B [Soil] (US &	Sampled 11/09/17 1	0:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:30		
T172943-39 ADL 23-C [Soil] (US &	Sampled 11/09/17 1	0:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:30		
T172943-40 ADL 28-A [Soil] (US &	Sampled 11/09/17 1	1:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 11:15		

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PROVIDING QUALITY ANALYTICA	AL SERVICES NATIONWIDE				
				<u> </u>	
Client: Blackburn Consul Project: SR99/120 Intercha			Project Manager: Project Number:	Lisa Nguyen 2998.X	
	unge		1.0,0001.00000	277011	
Analysis	Due	TAT	Expires	Comments	
T172943-41 ADL 28-B [S (US &	oil] Sampled 11/09/17 1	1:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 11:15		
T172943-42 ADL 28-C [S (US &	Soil] Sampled 11/09/17 1	1:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 11:15		
T172943-43 ADL 29-A [S (US &	oil] Sampled 11/09/17 12	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 12:00		
T172943-44 ADL 29-B [S (US &	oil] Sampled 11/09/17 12	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 12:00		
T172943-45 ADL 29-C [S (US &	Soil] Sampled 11/09/17 1	2:00 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 12:00		
T172943-46 ADL 27-A [S (US &	oil] Sampled 11/09/17 12	2:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 12:45		
T172943-47 ADL 27-B [S (US &	oil] Sampled 11/09/17 12	2:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 12:45		
T172943-48 ADL 27-C [S (US &	Soil] Sampled 11/09/17 12	2:45 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 12:45		
T172943-49 ADL 30-A [S (US &	oil] Sampled 11/09/17 09	9:20 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:20		
T172943-50 ADL 30-B [S (US &	oil] Sampled 11/09/17 0	9:20 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:20		
T172943-51 ADL 30-C [S (US &	Soil] Sampled 11/09/17 0	9:20 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:20		

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		Τ	172943		
Client: Blackburn Consultir Project: SR99/120 Interchang	•		Project Manager: Project Number:	Lisa Nguyen 2998.X	
Analysis	Due	TAT	Expires	Comments	
T172943-52 ADL 31-A [Soil (US &] Sampled 11/09/17 1	0:15 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/08/18 10:15		
T172943-53 ADL 31-B [Soil (US &] Sampled 11/09/17 1	0:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:15		
T172943-54 ADL 31-C [Soil (US &] Sampled 11/09/17 1	10:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:15		
T172943-55 ADL 32-A [Soil (US &] Sampled 11/09/17 1	0:50 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:50		
T172943-56 ADL 32-B [Soil (US &] Sampled 11/09/17 1	l0:50 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:50		
T172943-57 ADL 32-C [Soil (US &] Sampled 11/09/17 1	10:50 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:50		
T172943-58 ADL 33-A [Soil (US &] Sampled 11/09/17 1	1:35 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 11:35		
T172943-59 ADL 33-B [Soil (US &] Sampled 11/09/17 1	1:35 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/08/18 11:35		
T172943-60 ADL 33-C [Soil (US &] Sampled 11/09/17 1	11:35 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 11:35		

State Route 99/120 Interchange Improvement Project Aerially Deposited Lead (ADL) Assessment

APPENDIX B

ADL Analytical Laboratory Results and Chain of Custody Soluble Lead Sample Results



SunStar – Laboratories, Inc.

25712 Commercentre Drive Lake Forest, California 92630 949.297.5020 Phone 949.297.5027 Fax

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

01 December 2017

Ryan Schmidt Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento, CA -RE: SR99/120 Interchange

Enclosed are the results of analyses for samples received by the laboratory on 11/10/17 10:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Nguyen Project Manager Assistant

25712 Commercentre Drive Lake Forest, California 92630 949.297.5020 Phone 949.297.5027 Fax

Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: [none]	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	12/01/17 09:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ADL 37-A	T172941-27	Soil	11/06/17 13:30	11/10/17 10:55
ADL 26-A	T172941-33	Soil	11/06/17 14:30	11/10/17 10:55
ADL 26-B	T172941-34	Soil	11/06/17 14:30	11/10/17 10:55
ADL 15-C	T172941-50	Soil	11/07/17 11:30	11/10/17 10:55
ADL 10-A	T172941-66	Soil	11/07/17 15:00	11/10/17 10:55
ADL 08-A	T172941-69	Soil	11/07/17 15:45	11/10/17 10:55

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant



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Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: [none]	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	12/01/17 09:56

DETECTIONS SUMMARY

Sample ID:	ADL 37-A	ADL 37-A Laboratory ID:		T172941-27		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
pН		8.0	0.1	pH Units	EPA 9045B	O-09
Sample ID:	ADL 26-A	Labora	tory ID:	T172941-33		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		8.1	0.10	mg/l	STLC Waste Extraction T	
Sample ID:	ADL 26-B	Lahora	tory ID:	T172941-34		
		Labora		11/2/11 57		
Analyte		Result	Reporting Limit	Units	Method	Notes
Lead		3.1	0.10	mg/l	STLC Waste Extraction T	Totes
Sample ID:	ADL 15-C	Labora	tory ID:	T172941-50		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		2.9	0.10	mg/l	STLC Waste Extraction T	
Sample ID:	ADL 10-A	Labora	tory ID:	T172941-66		
<u> </u>			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		2.4	0.10	mg/l	STLC Waste Extraction T	
		2.4	0.10	mg/l	SILC Waste Extraction 1	
	ADL 08-A		0.10 tory ID:	mg/l T172941-69	STLC Waste Extraction 1	
Lead	ADL 08-A			-	STLC Waste Extraction 1	
Lead	ADL 08-A		tory ID:	-	Method	Notes

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Blackburn Consulting-West Sac.	Project: SF	R99/120 Interchange	
2491 Boatman Ave.	Project Number: [ne	none]	Reported:
West Sacramento CA, -	Project Manager: Ry	yan Schmidt	12/01/17 09:56

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant



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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project:SR99/120 InterchangeProject Number:[none]Project Manager:Ryan Schmidt12/01/17 09:							
			DL 37-A 941-27 (So	il)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Conventional Chemistry Parameters by	<u>y APHA/EPA/ASTM</u>	Methods							
nH	8.0	0.1	nH Units	1	7112918	11/29/17	11/29/17	FPA 9045B	0-09

pH 8.0 0.1 pH Units 1 7112918 11/29/17 11/29/17 EPA 9045B O-09

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Projec Project Number Project Manager	: [none		nge			Reported: 12/01/17 09	
		AD) T17294	L 26-A 1-33 (S	oil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	orator	ies, Inc.					
<u>STLC Metals by 6000/7000 Series Methods</u> Lead	8.1	0.10	mg/l	1	7112744	11/27/17	11/30/17	STLC Waste Extraction	

Test

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project: SR99/120 Interchange Project Number: [none] Project Manager: Ryan Schmidt						Reported: 12/01/17 09:56		
			DL 26-B 41-34 (Se							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar La	iborator	ies, Inc.						
STLC Metals by 6000/7000 Series Methods Lead	3.1	0.10	mg/l	1	7112744	11/27/17	11/30/17	STLC Waste Extraction		

Test

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

SunStar Laboratories, Inc. Providing Quality Analytical Services Nationwide										
Blackburn Consulting-West Sac.		Proje	ct: SR99	/120 Intercha	nge					
2491 Boatman Ave.	Project Number: [none]							Reported:		
West Sacramento CA, -	Project Manager: Ryan Schmidt						12/01/17 09:56			
			DL 15-C 41-50 (S							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aborator	ies, Inc.						
STLC Metals by 6000/7000 Series Methods	2.0	0.10			7110744	11/07/17	11/20/17			
Lead	2.9	0.10	mg/l	1	7112744	11/27/17	11/30/17	STLC Waste		

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Extraction Test

25712 Commercentre Drive Lake Forest, California 92630 949.297.5020 Phone 949.297.5027 Fax

Blackburn Consulting-West Sac. 2491 Boatman Ave.		Project: SR99/120 Interchange Project Number: [none] Project Manager: Ryan Schmidt						Reported: 12/01/17 09:56		
West Sacramento CA, -		AI	DL 10-A					12/01/17 09	.50	
-		11729	941-66 (Se	011)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		SunStar L	aborator	ies, Inc.						
STLC Metals by 6000/7000 Series Method	S									
Lead	2.4	0.10	mg/l	1	7112744	11/27/17	11/30/17	STLC Waste Extraction		

Test

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

SunStar Laboratories, Inc. Providing Quality Analytical Services Nationwide

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Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Projec Project Number Project Manager	:: [none	-	nge			Reported 12/01/17 09	
		AD] T17294	L 08-A 1-69 (S						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	ooratoi	ries, Inc.					
<u>STLC Metals by 6000/7000 Series Methods</u> Lead	6.2	0.10	mg/l	1	7112744	11/27/17	11/30/17	STLC Waste Extraction	

Test

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

SunStar Laboratories, Inc.

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Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: [none]	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	12/01/17 09:56

STLC Metals by 6000/7000 Series Methods - Quality Control

SunStar Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 7112744 - STLC Metals										
Blank (7112744-BLK1)				Prepared: 1	1/27/17 Ai	nalyzed: 11	/30/17			
Lead	ND	0.10	mg/l							
LCS (7112744-BS1)				Prepared: 1	1/27/17 Ai	nalyzed: 11	/30/17			
Lead	9.71	0.10	mg/l	10.0		97.1	75-125			
Matrix Spike (7112744-MS1)	Sourc	e: T172941-	33	Prepared: 1	1/27/17 Ai	nalyzed: 11	/30/17			
Lead	17.6	0.10	mg/l	10.0	8.06	95.3	75-125			
Matrix Spike Dup (7112744-MSD1)	Sourc	e: T172941-	33	Prepared: 1	1/27/17 Ai	nalyzed: 11	/30/17			
Lead	18.3	0.10	mg/l	10.0	8.06	102	75-125	3.69	30	

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Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: [none]	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	12/01/17 09:56

Conventional Chemistry Parameters by APHA/EPA/ASTM Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7112918 - General Preparation										
Duplicate (7112918-DUP1)	Sou	rce: T172941-	27	Prepared &	Analyzed:	11/29/17				
pH	8.04	0.1	pH Units		8.05			0.124	20	O-09

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

SunStar — Laboratories, Inc. Providing Quality Analytical Services Nationwide

25712 Commercentre Drive Lake Forest, California 92630 949.297.5020 Phone 949.297.5027 Fax

Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: [none]	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	12/01/17 09:56

Notes and Definitions

- O-09 The sample was analyzed outside the EPA recommended holding time of 24 hours.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

Sample d		Relinquis	Relinduis	Mix	Relinquis			AAL	ADL	ADL	APL			ANT		PAC	>		ADI		Project Manager:	Phone:	Address:	Client:	PROVI 257 949-	
Sample disposal Instructions:		Relinquished by: (signature)	Relinduished by: (signature)	2 Salut	Relinguished by: (signature			26 - A.B.	15 - A.B.	37 - 4 2	22	53-0 2	10-4.0	10-N0	ALA-ON	400-40	20 02	N	34-A.R	Sample ID	Manager: Ryon	707 537		Blackburn	PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE 25712 Commercentre Drive, Lake Forest, CA 92630 949-297-5020	 Laboratories,
Disposal @ \$2.00 each) Date / Time) Date / Time) Date /			-			t. 1		6 6						11/6/17	Date	in Schmidt	3776		0	AL SERVICES NATIONWI Te Drive, Lake	ories, Inc.
0 each		Time	Time	13:50	Time			14:30	14:00	13:30	13:00	12:30	12:00	11:20	100	10:30	10100	9:30	qioo	Time	nidt	Fax:		snsulting	Forest, CA	
Return to client		Received by	Received by: (signature		Received by			-			_							-	Soil	Sample			C	1	92630	
o client		Received by: (signature)	/: (signature)	Julas	Received by: (signature)			-					-			_		-	(Ilass	Container Type						Chain of Custody Record
		11-10-17		1															_	8260						
Pickup	- !	-	_	12		_							\downarrow	_	_	\downarrow		_	-	8260 + OXY						u a
d-		10:55 Date / Time	Date / Time	F	Date / Time	_							\downarrow	\downarrow	\downarrow			_	_	8260 BTEX, OXY only	-	0		_		ġ
	1	Tir	/ Tir	_		+							\downarrow	\downarrow	\downarrow			_		8270	Batch #:	Collector:	Project Name:	Date:		
		ne	ne	1350	ne	+							\rightarrow	\downarrow	_	_		_	-	8021 BTEX	h#:	ector	ect N			1
	L			1	+	_	-						-	_	\downarrow		-	_	-	8015M (gasoline)			lam	E		
	ſurn	Re		Chain		_	-						+	\downarrow	\rightarrow	_	\downarrow	_	-	8015M (diesel)	TIT			0		1
	Turn around time: ST D	Received good condition/cold		n of		\perp												_		8015M Ext./Carbon Chain	N		N	4		
	und	ed g	Sea	of Custody seals	7					\mathbf{A}	\setminus	\setminus	\mathbf{A}	\setminus		Y	\geq		-	6010/7000 Title 22 Metals (Lead) 🛎		RAD	+		
	time	bod (als in	ody	tal #								_	\downarrow				_		6020 ICP-MS Metals			2			
	ľΛ	cond	itact	seals	ofo	_																	N			
	7	ition/	Seals intact? WN/NA	(\leq)	Total # of containers			23			AX I	-	00	5	0	04	~	S					0			
	0	d	I/NA	N/NA	ners			34	15	28	25	12	9	16	à	5	3	40	10	к.			4			
_		5.3	5					35	32	29	22	8	20	E .	Ì	4	88	8	02	Laboratory ID #	EDF #:	Client	when	Page:		
COC 160740		Hold samples	SANKUES	PISCRETE	Notes															Comments/Preservative	#	nt Project #:	Interchange	e: Of 4		
						+	+	┢	\vdash			-	+	+	-		_	-	-	Total # of containers		I	l	I.		
									1	1				- 1												

A

Pate: 11 Page: 2 or 4 Project Name: SE 11 120 Frage: 2 or 4 Batch #: Expression Expressi	Sample disposal Instructions: Disposal @ \$2.00 each	nature) Date / Time	650 11-10 17 10:55	shed by: (signature) Date / Time	PM Start 11/9 13:50	Relinquished by: (signature) Date / Time F		ADL UB - ABC 15:45	10 - A.B.C	ADL 12 - ABC 14:30	13 - ABC	45 - ABC	44 - A'BC	16 - A'B'C	IS - ABC	19 - ABC	10 - A BC	22-280	B.C 11/7/17	Sample ID Date Time	Project Manager: Ryan Schmidt	107 537 577	client: Blackburn Consulting Address:	PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE 25712 Commercentre Drive, Lake Forest, CA 92630 949-297-5020
Project Name: SE 91 120 Fine: Date / Time Date / Time Date / Time Total # of containers Chain of Custody seal Received good condition/cold Seals intact ONNA Seals intact ONNA	Return to client	Received by: (signature)	alax to	Received by: (signature)	W Stewart	Received by: (signature)													(Glass	Container Type				92630
Tranound time: STD	Pickup	Date / Time		Date / Time	1/17															8260 + OXY 8260 BTEX, OXY only 8270 8021 BTEX	Batch #:	Collector:	Date:	
54 26 54 28 82 12 26 82 12 26 82 12 26 26 27 26<		Turn around time: STD	Received good condition/cold	Seals intact? N/NA	Chain of Custody seals				-					_	_			_	36	8015M (diesel) 8015M Ext./Carbon Chain 6010/7000 Title 22 Metals)		5297 120	
	coc 160741	54	53					7/	89	65	62	59		_	50	47	44	91	38		_ EDF #:	299		



SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #:	T172941			
Client Name:	BLACKBURN Car.	Project:		SR 99 / 120 INTERCHANGE
Delivered by:	Client SunStar Courie	er 🔀 GSO [FedEx	Other
If Courier, Received by:		Date/Time Co Received:		
Lab Received by:	SUMNY	Date/Time La Received:	b	11.10.17 / 10:55
Total number of coolers re	eceived: 🗶			/
Temperature: Cooler #1	<i>5.5</i> °C +/- the CF (- 0.2°C)	= 5.3	°C correc	ted temperature
Temperature: Cooler #2	<i>5.6</i> °C +/- the CF (- 0.2°C)	= 5.4	°C correc	ted temperature
Temperature: Cooler #3	°C +/- the CF (- 0.2°C)	=	°C correc	ted temperature
Temperature criteria = ≤ (no frozen containers)	≤6°C Within c	riteria?	Yes	No
If NO:			é X	
			□No →	
Samples received				e Non-Conformance Sheet
	reasived some day	→ Acceptable	No →	
If on ice, samples	received same day Yes -	→ Acceptable	No →	
If on ice, samples collected?	received same day Yes -	→ Acceptable	□No → Complet	e Non-Conformance Sheet
If on ice, samples collected? Custody seals intact on co	received same day Yes -	→ Acceptable	□No → Complet	e Non-Conformance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact	received same day Yes - oler/sample n of Custody IDs	→ Acceptable	□No → Complet	e Non-Conformance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai Total number of container	received same day Yes - oler/sample n of Custody IDs	→ Acceptable	 No → Complet Yes Yes Yes Yes 	e Non-Conformance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai Total number of container Proper containers received	received same day oler/sample n of Custody IDs rs received match COC		 No → Complet Yes Yes Yes Yes Yes Yes 	e Non-Conformance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai Total number of container Proper containers received Proper preservative indica Complete shipment receiv	received same day oler/sample n of Custody IDs rs received match COC f for analyses requested on COC	es requested temperatures,	 No → Complet Yes Yes Yes Yes Yes Yes Yes Yes 	e Non-Conformance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai Total number of container Proper containers received Proper preservative indica Complete shipment receiv containers, labels, volume holding times	received same day oler/sample n of Custody IDs rs received match COC d for analyses requested on COC ted on COC/containers for analyse red in good condition with correct to s preservatives and within method	es requested temperatures,	 No → Complet Yes 	xe Non-Conformance Sheet No*
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai Total number of container Proper containers received Proper preservative indica Complete shipment receiv containers, labels, volume holding times	received same day oler/sample n of Custody IDs rs received match COC d for analyses requested on COC ted on COC/containers for analyse red in good condition with correct to s preservatives and within method	es requested temperatures, specified	 No → Complet Yes 	No* No*

Page 1 of ____



SAMPLE NON-CONFORMANCE SHEET

Batch/Work Order # 7772941

COOLERS	LABELS
□ Not Received (received COC only)	\Box Not the same sample ID / info as on the COC
Leaking/Damaged	□ Incomplete Information
□ Other:	□ Markings/Info illegible
 CUSTODY SEALS 	SAMPLES
□ None	□ Samples NOT RECEIVED but listed on COC
□ Not Intact	□ Samples received but NOT LISTED on COC
• TEMPERATURE (Temp criteria = $\leq 6^{\circ}$ C)	□ Logged based on Label Information and not COC
\Box Cooler/Sample Temp(s)	Logged according to Work Plan and not COC
□ Temperature Blank(s)	□ Logged in, ON HOLD until further notice
 CHAIN OF CUSTODY (COC) 	□ Insufficient quantities for analysis
□ Not relinquished by client; No date/time relinquished	□ Improper container used
□ Incomplete information provided	☐ Mislabeled as to tests, preservatives, etc.
□ COC not received – notify PM	□ Holding time expired – list sample ID and test
 CONTAINERS 	□ Not preserved/Improper preservative used
□ Leaking □ Broken	□ Without Labels, no information on containers
□ Extra □ Missing	Other

Comments:

COC WAS FILLED OUT IMPROPERLY.

Sample fractioning only if broken container compromises other samples or if out of temp reading impacts more than one cooler

Fraction							Preser.
VOA							
						_	

Page 2 of 2

Lisa

From:	Ryan Schmidt [ryans@blackburnconsulting.com]
Sent:	Monday, November 27, 2017 2:39 PM
To:	Lisa
Subject:	RE: Report for SR99/120 Interchange (T172941)

We are going to need STLC-WET testing in the following samples from this report: ADL 26-A ADL 26-B ADL 15-C ADL 10-A ADL 08-A

Thanks!

What do you expect the turnaround time to be for these results?

From: Lisa [mailto:lisa@sunstarlabs.com]
Sent: Thursday, November 16, 2017 11:55 AM
To: Ryan Schmidt <<u>ryans@blackburnconsulting.com</u>>
Subject: Report for SR99/120 Interchange (T172941)

Hello Ryan,

Attached is the final report for the following:

Project: SR99/120 Interchange Project Number: n/a

Please let me know if you would like to run additional STLC/TCLP analysis on samples with hits about the threshold.

Please let me know if you have any concerns or need any further analyses. Thank you for choosing SunStar Labs.

Lisa Nguyen Project Manager Assistant



25712 Commercentre Dr., Lake Forest, CA 92630 Office: (949) 297-5020 | Fax: (949) 297-5027 CA ELAP Certification: 2250 | CA Small Business Certification: 31511 Lisa

From:	Ryan Schmidt [ryans@blackburnconsulting.com]
Sent:	Wednesday, November 29, 2017 2:27 PM
To:	Lisa
Subject:	RE: Report for SR99/120 Interchange (T172943) and (T172941)

Please proceed, Thanks!

Ryan Schmidt | Project Engineer | Cell: (707)537-5776 **Blackburn Consulting** | 2491 Boatman Avenue, West Sacramento, CA 95691 | *Geotechnical* | *Geo- Environmental* | *Construction Services* | *Forensics "Our Signature is Excellence"*

From: Lisa [mailto:lisa@sunstarlabs.com]
Sent: Wednesday, November 29, 2017 2:26 PM
To: Ryan Schmidt <ryans@blackburnconsulting.com>
Subject: RE: Report for SR99/120 Interchange (T172943) and (T172941)

I can expedite the samples to be delivered by end of business tomorrow. Would you like to proceed?

Lisa Nguyen Project Manager Assistant



25712 Commercentre Dr., Lake Forest, CA 92630 Office: (949) 297-5020 | Fax: (949) 297-5027 CA ELAP Certification: 2250 | CA Small Business Certification: 31511

From: Ryan Schmidt [mailto:ryans@blackburnconsulting.com]
Sent: Wednesday, November 29, 2017 12:59 PM
To: Lisa
Subject: RE: Report for SR99/120 Interchange (T172943) and (T172941)

Hey Lisa sorry to keep bothering you. But can we expedite all testing at this point, I just got approval for it. And also, for the stlc wet are we first using the citric method?

Get Outlook for Android

From: Lisa lisa@sunstarlabs.com>
Sent: Wednesday, November 29, 2017 11:57:26 AM
To: Ryan Schmidt
Subject: RE: Report for SR99/120 Interchange (T172943) and (T172941)

Attached are the additional work orders with pH analysis you've requested. I don't believe amount of sample will be a problem, but I will let you know if anything comes out.

Thank you,

Lisa Nguyen Project Manager Assistant



25712 Commercentre Dr., Lake Forest, CA 92630 Office: (949) 297-5020 | Fax: (949) 297-5027 CA ELAP Certification: 2250 | CA Small Business Certification: 31511

From: Ryan Schmidt [mailto:ryans@blackburnconsulting.com]
Sent: Wednesday, November 29, 2017 11:36 AM
To: Lisa
Subject: RE: Report for SR99/120 Interchange (T172943) and (T172941)

Let's still proceed. Thanks. Let me know if the samples listed are not available!

Ryan Schmidt | Project Engineer | Cell: (707)537-5776 **Blackburn Consulting** | 2491 Boatman Avenue, West Sacramento, CA 95691 | *Geotechnical* | *Geo*- *Environmental* | *Construction Services* | *Forensics "Our Signature is Excellence"*

From: Lisa [mailto:lisa@sunstarlabs.com]
Sent: Wednesday, November 29, 2017 11:35 AM
To: Ryan Schmidt <<u>ryans@blackburnconsulting.com</u>>
Subject: RE: Report for SR99/120 Interchange (T172943) and (T172941)

Hello Ryan,

Sure. The standard TAT is 5 days. It's a simple test and the chemists are fairly quick with that test, so I don't believe it should be a problem with them having results ready by the time all the other analyses requested are due. However, the soils are out of hold time criteria for pH analysis. Would you still want to proceed? I will also have to confirm if we have enough samples as well and will get back to you shortly on this.

Thank you,

Lisa Nguyen Project Manager Assistant



25712 Commercentre Dr., Lake Forest, CA 92630 Office: (949) 297-5020 | Fax: (949) 297-5027 CA ELAP Certification: 2250 | CA Small Business Certification: 31511 From: Ryan Schmidt [mailto:ryans@blackburnconsulting.com]
Sent: Wednesday, November 29, 2017 11:27 AM
To: Lisa
Subject: RE: Report for SR99/120 Interchange (T172943) and (T172941)

Lisa can we test 4 random samples (ADL 19B, ADL 37A, ADL 9C, and ADL 21A) from both work orders for this project for pH and have those results included in the final report as well? Not sure if you can combine both reports once all analysis has been completed. Also what is the TAT for pH?

Thanks

Ryan Schmidt | Project Engineer | Cell: (707)537-5776 **Blackburn Consulting** | 2491 Boatman Avenue, West Sacramento, CA 95691 | *Geotechnical* | *Geo- Environmental* | *Construction Services* | *Forensics "Our Signature is Excellence"*

From: Lisa [mailto:lisa@sunstarlabs.com]
Sent: Monday, November 27, 2017 3:46 PM
To: Ryan Schmidt <rrans@blackburnconsulting.com>
Subject: RE: Report for SR99/120 Interchange (T172943)

Attached is the additional work order with STLC Pb on a standard TAT that you've requested. Results are scheduled to be delivered by end of business on 12/04/17. Please carefully review the attachments and let me know if you have any questions or concerns.

Thank you,

Lisa Nguyen Project Manager Assistant



25712 Commercentre Dr., Lake Forest, CA 92630 Office: (949) 297-5020 | Fax: (949) 297-5027 CA ELAP Certification: 2250 | CA Small Business Certification: 31511

From: Ryan Schmidt [mailto:ryans@blackburnconsulting.com]
Sent: Monday, November 27, 2017 2:43 PM
To: Lisa
Subject: RE: Report for SR99/120 Interchange (T172943)

We will need STLC-WET testing for the following samples from this report: ADL 14-A ADL 19-A ADL 29-A

Thanks!

From: Lisa [mailto:lisa@sunstarlabs.com] Sent: Friday, November 17, 2017 2:18 PM To: Ryan Schmidt <<u>ryans@blackburnconsulting.com</u>> Subject: Report for SR99/120 Interchange (T172943)

Hello Ryan,

Attached is the final report for the following:

Project: SR99/120 Interchange Project Number: 2998.x

Please let me know if you have any concerns or need any further analyses. Thank you for choosing SunStar Labs.

Lisa Nguyen Project Manager Assistant



25712 Commercentre Dr., Lake Forest, CA 92630 Office: (949) 297-5020 | Fax: (949) 297-5027 CA ELAP Certification: 2250 | CA Small Business Certification: 31511

Shipping Alert:

Please note that SunStar Laboratories will be observing the Thanksgiving holiday on Thursday and Friday, November 23th and 24th. In addition, GSO will not have scheduled service on Thursday, November 23th. If you have any short hold samples arriving on Wednesday or during these days, please contact your Project Manager in advance to ensure all holding times are met for your samples. We appreciate your business and hope that you have a fantastic and safe holiday!

SunStar Laboratories, Inc. Providing Quality Analytical Services Nationwide		DRK ORDER Γ172941		Printed: 11/10/2017 2:13:50PM
Client: Blackburn Consulting-West Sac. Project: SR99/120 Interchange		Project Manager: Project Number:	Lisa Nguyen [none]	
<u>Report To:</u> Blackburn Consulting-West Sac. Ryan Schmidt 2491 Boatman Ave. West Sacramento, CA -				
Date Due: 11/17/17 17:00 (5 day TAT)				
Received By: Sunny Lounethone		Date Received:	11/10/17 10:55	
Logged In By: Sunny Lounethone		Date Logged In:	11/10/17 12:00	
Samples Received at: 5.3°C Custody Seals Yes Containers Intact Yes COC/Labels Agree Yes Preservation Confiri No				
Analysis Due	TAT	Expires	Comments	
T172941-01 ADL 34-A [Soil] Sampled 11/((US &)6/17 09:00 (GM'	T-08:00) Pacific Time	e	
6010 Pb 11/17/17 1	5:00 5	05/05/18 09:00		
T172941-02 ADL 34-B [Soil] Sampled 11/0 (US &)6/17 09:00 (GM'	T-08:00) Pacific Time	e	
6010 Pb 11/17/17 1	5:00 5	05/05/18 09:00		
T172941-03 ADL 36-A [Soil] Sampled 11/((US &)6/17 09:30 (GM	T-08:00) Pacific Time	e	
6010 Pb 11/17/17 1	5:00 5	05/05/18 09:30		
T172941-04 ADL 36-B [Soil] Sampled 11/((US &)6/17 09:30 (GM	T-08:00) Pacific Time	e	
6010 Pb 11/17/17 1	5:00 5	05/05/18 09:30		
T172941-05 ADL 36-C [Soil] Sampled 11/0 (US &	06/17 09:30 (GM	T-08:00) Pacific Tim	e	
6010 Pb 11/17/17 1	5:00 5	05/05/18 09:30		
T172941-06 ADL 38-A [Soil] Sampled 11/((US &)6/17 10:00 (GM'	T-08:00) Pacific Time	e	
6010 Pb 11/17/17 1	5:00 5	05/05/18 10:00		
T172941-07 ADL 38-B [Soil] Sampled 11/((US &)6/17 10:00 (GM'	T-08:00) Pacific Time	e	
6010 Pb 11/17/17 1	5:00 5	05/05/18 10:00		

SunStar				Printed: 11/10/2017 2:13:50PM
Laboratories, Inc.	WO	RK ORDER		
Providing Quality Analytical Services Nationwide		172941]	
Client: Blackburn Consulting-West Sac. Project: SR99/120 Interchange		Project Manager: Project Number:	Lisa Nguyen [none]	
Analysis Due	TAT	Expires	Comments	
T172941-08 ADL 38-C [Soil] Sampled 13 (US &	1/06/17 10:00 (GMT	-08:00) Pacific Time	2	
6010 Pb 11/17/17	5 15:00	05/05/18 10:00		
T172941-09 ADL 46-A [Soil] Sampled 11 (US &	1/06/17 10:30 (GMT	-08:00) Pacific Time	2	
6010 Pb 11/17/17	5 15:00	05/05/18 10:30		
T172941-10 ADL 46-B [Soil] Sampled 11 (US &	1/06/17 10:30 (GMT	-08:00) Pacific Time	2	
6010 Pb 11/17/17	5 15:00	05/05/18 10:30		
T172941-11 ADL 46-C [Soil] Sampled 11 (US &	1/06/17 10:30 (GMT	C-08:00) Pacific Time	2	
6010 Pb 11/17/17	5 15:00	05/05/18 10:30		
T172941-12 ADL 47-A [Soil] Sampled 11 (US &	l/06/17 11:00 (GMT	'-08:00) Pacific Time	2	
6010 Pb 11/17/17	5 15:00	05/05/18 11:00		
T172941-13 ADL 47-B [Soil] Sampled 11 (US &	1/06/17 11:00 (GMT	-08:00) Pacific Time	2	
6010 Pb 11/17/17	5 15:00	05/05/18 11:00		
T172941-14 ADL 47-C [Soil] Sampled 13 (US &	1/06/17 11:00 (GMT	C-08:00) Pacific Time	2	
6010 Pb 11/17/17	5 15:00	05/05/18 11:00		
T172941-15 ADL 48-A [Soil] Sampled 11 (US &	1/06/17 11:30 (GMT	'-08:00) Pacific Time	•	
6010 Pb 11/17/17	5 15:00	05/05/18 11:30		
T172941-16 ADL 48-B [Soil] Sampled 11 (US &	1/06/17 11:30 (GMT	'-08:00) Pacific Time		
6010 Pb 11/17/17	15:00 5	05/05/18 11:30		
T172941-17 ADL 48-C [Soil] Sampled 11 (US &	1/06/17 11:30 (GMT	7-08:00) Pacific Time	2	
6010 Pb 11/17/17	5 15:00	05/05/18 11:30		
T172941-18 ADL 49-A [Soil] Sampled 11 (US &	1/06/17 12:00 (GMT	7-08:00) Pacific Time		
6010 Pb 11/17/17	15:00 5	05/05/18 12:00		

SunStar					Printed: 11/10/2017 2:13:50PM
	ies, Inc.	WOR	RK ORDER		
PROVIDING QUALITY ANALYTICAL SER	RVICES NATIONWIDE		172941	Т	
		1	1/2741		
Client: Blackburn Consultin			Project Manager:	Lisa Nguyen	
Project: SR99/120 Interchang	ge		Project Number:	[none]	
Analysis	Due	TAT	Expires	Comments	
T172941-19 ADL 49-B [Soil] (US &	Sampled 11/06/17 12	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 12:00		
T172941-20 ADL 49-C [Soil] (US &	Sampled 11/06/17 1	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 12:00		
T172941-21 ADL 50-A [Soil] (US &	Sampled 11/06/17 12	2:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 12:30		
T172941-22 ADL 50-B [Soil] (US &	Sampled 11/06/17 12	2:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 12:30		
T172941-23 ADL 50-C [Soil] (US &] Sampled 11/06/17 1	2:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 12:30		
T172941-24 ADL 35-A [Soil] (US &	Sampled 11/06/17 1	3:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 13:00		
T172941-25 ADL 35-B [Soil] (US &	Sampled 11/06/17 1	3:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 13:00		
T172941-26 ADL 35-C [Soil] (US &] Sampled 11/06/17 13	3:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 13:00		
T172941-27 ADL 37-A [Soil] (US &	Sampled 11/06/17 1	3:30 (GMT)	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 13:30		
T172941-28 ADL 37-B [Soil] (US &	Sampled 11/06/17 1	3:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 13:30		
T172941-29 ADL 37-C [Soil] (US &	Sampled 11/06/17 1	3:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 13:30		

SunStar					Printed: 11/10/2017 2:13:50PM
Laboratorio	es, Inc.	WOI	RK ORDER		
PROVIDING QUALITY ANALYTICAL SERV	ICES NATIONWIDE		172941	Т	
			1/2/41		
Client: Blackburn Consulting			Project Manager:	Lisa Nguyen	
Project: SR99/120 Interchange			Project Number:	[none]	
Analysis	Due	TAT	Expires	Comments	
T172941-30 ADL 25-A [Soil] (US &	Sampled 11/06/17 14	:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:00		
T172941-31 ADL 25-B [Soil] (US &	Sampled 11/06/17 14	l:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:00		
T172941-32 ADL 25-C [Soil] (US &	Sampled 11/06/17 14	l:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:00		
T172941-33 ADL 26-A [Soil] (US &	Sampled 11/06/17 14	l:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:30		
T172941-34 ADL 26-B [Soil] (US &	Sampled 11/06/17 14	l:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:30		
T172941-35 ADL 26-C [Soil] (US &	Sampled 11/06/17 14	l:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:30		
T172941-36 ADL 24-A [Soil] (US &	Sampled 11/07/17 09	9:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:00		
T172941-37 ADL 24-B [Soil] (US &	Sampled 11/07/17 09):00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:00		
T172941-38 ADL 24-C [Soil] (US &	Sampled 11/07/17 09	9:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:00		
T172941-39 ADL 22-A [Soil] (US &	Sampled 11/07/17 09	9:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:45		
T172941-40 ADL 22-B [Soil] (US &	Sampled 11/07/17 09	9:45 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:45		

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Laboratori	es, Inc.	WOI	RK ORDER		
PROVIDING QUALITY ANALYTICAL SERV	ICES NATIONWIDE		172941	Т	
Client: Blackburn Consulting			Project Manager:	Lisa Nguyen	
Project: SR99/120 Interchange			Project Number:	[none]	
Analysis	Due	TAT	Expires	Comments	
T172941-41 ADL 22-C [Soil] (US &	Sampled 11/07/17 09	9:45 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:45		
T172941-42 ADL 20-A [Soil] (US &	Sampled 11/07/17 10):15 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:15		
T172941-43 ADL 20-B [Soil] (US &	Sampled 11/07/17 10):15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:15		
T172941-44 ADL 20-C [Soil] (US &	Sampled 11/07/17 10):15 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:15		
T172941-45 ADL 18-A [Soil] (US &	Sampled 11/07/17 10):45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:45		
T172941-46 ADL 18-B [Soil] (US &	Sampled 11/07/17 10):45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:45		
T172941-47 ADL 18-C [Soil] (US &	Sampled 11/07/17 10):45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:45		
T172941-48 ADL 15-A [Soil] (US &	Sampled 11/07/17 11	:30 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/06/18 11:30		
T172941-49 ADL 15-B [Soil] (US &	Sampled 11/07/17 11	:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 11:30		
T172941-50 ADL 15-C [Soil] (US &	Sampled 11/07/17 11	l:30 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 11:30		
T172941-51 ADL 16-A [Soil] (US &	Sampled 11/07/17 12	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:00		

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Laboratorio	es, Inc.	WOF	RK ORDER		
PROVIDING QUALITY ANALYTICAL SERV	ICES NATIONWIDE		172941	7	
				<u> </u>	
Client: Blackburn Consulting Project: SR99/120 Interchange			Project Manager: Project Number:	Lisa Nguyen [none]	
Analysis	Due	TAT	Expires	Comments	
T172941-52 ADL 16-B [Soil] (US &	Sampled 11/07/17 12	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:00		
T172941-53 ADL 16-C [Soil] (US &	Sampled 11/07/17 12	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:00		
T172941-54 ADL 44-A [Soil] (US &	Sampled 11/07/17 12	2:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:45		
T172941-55 ADL 44-B [Soil] (US &	Sampled 11/07/17 12	2:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:45		
T172941-56 ADL 44-C [Soil] (US &	Sampled 11/07/17 12	2:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:45		
T172941-57 ADL 45-A [Soil] (US &	Sampled 11/07/17 13	3:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 13:30		
T172941-58 ADL 45-B [Soil] (US &	Sampled 11/07/17 13	3:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 13:30		
T172941-59 ADL 45-C [Soil] (US &	Sampled 11/07/17 13	3:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 13:30		
T172941-60 ADL 13-A [Soil] (US &	Sampled 11/07/17 14	4:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 14:00		
T172941-61 ADL 13-B [Soil] (US &	Sampled 11/07/17 14	4:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 14:00		
T172941-62 ADL 13-C [Soil] (US &	Sampled 11/07/17 14	4:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 14:00		

WORK ORDER T172941 Clean time work was was an and the project Number: Introduction was and the project Number: Introductin was and the project Number:
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Laboratories, Inc.	WO	ORK ORDER		
Providing Quality Analytical Services Nationwide	r	Г172941		
Client: Blackburn Consulting-West Sac. Project: SR99/120 Interchange		Project Manager: Project Number:	Lisa Nguyen [none]	
<u>Report To:</u> Blackburn Consulting-West Sac. Ryan Schmidt 2491 Boatman Ave. West Sacramento, CA -				
Date Due: 11/17/17 17:00 (5 day TAT)				
Received By: Sunny Lounethone		Date Received:	11/10/17 10:55	
Logged In By: Sunny Lounethone		Date Logged In:	11/10/17 12:00	
Samples Received at:5.3°CCustody SealsYesReceived On IceYesContainers IntactYesCOC/Labels AgreeYesPreservation ConfiriNo				
Analysis Due	TAT	Expires	Comments	
T172941-01 ADL 34-A [Soil] Sampled 11/06/ (US &	17 09:00 (GM)	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	00 5	05/05/18 09:00		
T172941-02 ADL 34-B [Soil] Sampled 11/06/ (US &	17 09:00 (GM	T-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	00 5	05/05/18 09:00		
T172941-03 ADL 36-A [Soil] Sampled 11/06/ (US &	17 09:30 (GM)	T-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	00 5	05/05/18 09:30		
T172941-04 ADL 36-B [Soil] Sampled 11/06/ (US &	17 09:30 (GM)	T-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	00 5	05/05/18 09:30		
T172941-05 ADL 36-C [Soil] Sampled 11/06/ (US &	'17 09:30 (GM'	T-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	00 5	05/05/18 09:30		
T172941-06 ADL 38-A [Soil] Sampled 11/06/ (US &	17 10:00 (GM)	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	00 5	05/05/18 10:00		
T172941-07 ADL 38-B [Soil] Sampled 11/06/ (US &	17 10:00 (GM	T-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	00 5	05/05/18 10:00		

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Laboratories, In	IC. W	ORK ORDER		
PROVIDING QUALITY ANALYTICAL SERVICES NATION	WIDE	T172941		
Client: Blackburn Consulting-West Sa Project: SR99/120 Interchange	ac.	Project Manager: Project Number:	Lisa Nguyen [none]	
Analysis Due	TAT	Expires	Comments	
T172941-08 ADL 38-C [Soil] Sampled (US &	d 11/06/17 10:00 (GN	MT-08:00) Pacific Time	e	
•	7/17 15:00 5	05/05/18 10:00		
T172941-09 ADL 46-A [Soil] Sampled (US &	d 11/06/17 10:30 (GN	AT-08:00) Pacific Time	2	
6010 Pb 11/17	7/17 15:00 5	05/05/18 10:30		
T172941-10 ADL 46-B [Soil] Sampled (US &	d 11/06/17 10:30 (GM	AT-08:00) Pacific Time	2	
6010 Pb 11/17	7/17 15:00 5	05/05/18 10:30		
T172941-11 ADL 46-C [Soil] Sampled (US &	d 11/06/17 10:30 (GM	AT-08:00) Pacific Time	9	
6010 Pb 11/17	7/17 15:00 5	05/05/18 10:30		
T172941-12 ADL 47-A [Soil] Sampled (US &	d 11/06/17 11:00 (GM	AT-08:00) Pacific Time	2	
6010 Pb 11/17	7/17 15:00 5	05/05/18 11:00		
T172941-13 ADL 47-B [Soil] Sampled (US &	d 11/06/17 11:00 (GN	AT-08:00) Pacific Time)	
6010 Pb 11/17	7/17 15:00 5	05/05/18 11:00		
T172941-14 ADL 47-C [Soil] Sampled (US &	d 11/06/17 11:00 (GN	AT-08:00) Pacific Time	2	
6010 Pb 11/17	7/17 15:00 5	05/05/18 11:00		
T172941-15 ADL 48-A [Soil] Sampled (US &	d 11/06/17 11:30 (GN	AT-08:00) Pacific Time		
6010 Pb 11/17	7/17 15:00 5	05/05/18 11:30		
T172941-16 ADL 48-B [Soil] Sampled (US &	d 11/06/17 11:30 (GN	AT-08:00) Pacific Time	2	
6010 Pb 11/17	7/17 15:00 5	05/05/18 11:30		
T172941-17 ADL 48-C [Soil] Sampled (US &	d 11/06/17 11:30 (GM	AT-08:00) Pacific Time	2	
6010 Pb 11/17	7/17 15:00 5	05/05/18 11:30		
T172941-18 ADL 49-A [Soil] Sampled (US &	d 11/06/17 12:00 (GN	AT-08:00) Pacific Time	2	
6010 Pb 11/17	7/17 15:00 5	05/05/18 12:00		

SunStar Laboratories, In PROVIDING QUALITY ANALYTICAL SERVICES NATIONW	VIDE	RK ORDER	Т	Printed: 11/27/2017 3:39:41PM
		172941		
Client: Blackburn Consulting-West Sa Project: SR99/120 Interchange	ıc.	Project Manager: Project Number:	Lisa Nguyen [none]	
Analysis Due	TAT	Expires	Comments	
T172941-19 ADL 49-B [Soil] Sampled	l 11/06/17 12:00 (GMT	C-08:00) Pacific Time		
(US & 6010 Pb 11/17	7/17 15:00 5	05/05/18 12:00		
T172941-20 ADL 49-C [Soil] Sampled (US &	d 11/06/17 12:00 (GMT	C-08:00) Pacific Time		
6010 Pb 11/17	7/17 15:00 5	05/05/18 12:00		
T172941-21 ADL 50-A [Soil] Sampled (US &	l 11/06/17 12:30 (GMT	-08:00) Pacific Time		
6010 Pb 11/17	7/17 15:00 5	05/05/18 12:30		
T172941-22 ADL 50-B [Soil] Sampled (US &	1 11/06/17 12:30 (GMT	-08:00) Pacific Time		
6010 Pb 11/17	7/17 15:00 5	05/05/18 12:30		
T172941-23 ADL 50-C [Soil] Sampled (US &	d 11/06/17 12:30 (GMT	C-08:00) Pacific Time		
6010 Pb 11/17	7/17 15:00 5	05/05/18 12:30		
T172941-24 ADL 35-A [Soil] Sampled (US &	l 11/06/17 13:00 (GMT	-08:00) Pacific Time		
6010 Pb 11/17	7/17 15:00 5	05/05/18 13:00		
T172941-25 ADL 35-B [Soil] Sampled (US &	l 11/06/17 13:00 (GMT	-08:00) Pacific Time		
6010 Pb 11/17	7/17 15:00 5	05/05/18 13:00		
T172941-26 ADL 35-C [Soil] Sampled (US &	1 11/06/17 13:00 (GMT	C-08:00) Pacific Time		
6010 Pb 11/17	7/17 15:00 5	05/05/18 13:00		
T172941-27 ADL 37-A [Soil] Sampled (US &	l 11/06/17 13:30 (GMT	-08:00) Pacific Time		
6010 Pb 11/17	//17 15:00 5	05/05/18 13:30		
T172941-28 ADL 37-B [Soil] Sampled (US &	1 11/06/17 13:30 (GMT	C-08:00) Pacific Time		
6010 Pb 11/17	7/17 15:00 5	05/05/18 13:30		
T172941-29 ADL 37-C [Soil] Sampled (US &	d 11/06/17 13:30 (GMT	C-08:00) Pacific Time		
6010 Pb 11/17	//17 15:00 5	05/05/18 13:30		

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Laboratori	es, Inc.	WO	RK ORDER		
PROVIDING QUALITY ANALYTICAL SEF	VICES NATIONWIDE		172941		
Client: Blackburn Consulting Project: SR99/120 Interchang			Project Manager: Project Number:	Lisa Nguyen [none]	
Analysis	Due	TAT	Expires	Comments	
T172941-30 ADL 25-A [Soil] (US &	Sampled 11/06/17 1	4:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:00		
T172941-31 ADL 25-B [Soil] (US &	Sampled 11/06/17 1	4:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:00		
T172941-32 ADL 25-C [Soil] (US &	Sampled 11/06/17 1	4:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:00		
T172941-33 ADL 26-A [Soil] (US &	Sampled 11/06/17 1	4:30 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:30		
STLC Pb	12/04/17 15:00	5	05/05/18 14:30		
STLC Leaching Procedure Metals	12/04/17 15:00	5	11/20/17 14:30		
T172941-34 ADL 26-B [Soil] (US &	Sampled 11/06/17 1	4:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:30		
STLC Pb	12/04/17 15:00	5	05/05/18 14:30		
STLC Leaching Procedure Metals	12/04/17 15:00	5	11/20/17 14:30		
T172941-35 ADL 26-C [Soil] (US &	Sampled 11/06/17 1	4:30 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:30		
T172941-36 ADL 24-A [Soil] (US &	Sampled 11/07/17 0	9:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:00		
T172941-37 ADL 24-B [Soil] (US &	Sampled 11/07/17 0	9:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:00		
T172941-38 ADL 24-C [Soil] (US &	Sampled 11/07/17 0	9:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:00		
T172941-39 ADL 22-A [Soil] (US &	Sampled 11/07/17 0	9:45 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:45		

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Providing Quality Analytical Se		WO	RK ORDER		
		Т	172941		
Client: Blackburn Consultin Project: SR99/120 Interchang	•		Project Manager: Project Number:	Lisa Nguyen [none]	
Analysis	Due	ТАТ	Expires	Comments	
T172941-40 ADL 22-B [Soil] (US &] Sampled 11/07/17 09	9:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:45		
T172941-41 ADL 22-C [Soil (US &] Sampled 11/07/17 09	9:45 (GMT	'-08:00) Pacific Tim	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:45		
T172941-42 ADL 20-A [Soil] (US &] Sampled 11/07/17 10):15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:15		
T172941-43 ADL 20-B [Soil] (US &] Sampled 11/07/17 10):15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:15		
T172941-44 ADL 20-C [Soil (US &] Sampled 11/07/17 10	0:15 (GMT	'-08:00) Pacific Tim	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:15		
T172941-45 ADL 18-A [Soil] (US &] Sampled 11/07/17 10):45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:45		
T172941-46 ADL 18-B [Soil] (US &] Sampled 11/07/17 10):45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:45		
T172941-47 ADL 18-C [Soil (US &] Sampled 11/07/17 10	0:45 (GMT	'-08:00) Pacific Tim	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:45		
T172941-48 ADL 15-A [Soil] (US &] Sampled 11/07/17 11	l:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 11:30		
T172941-49 ADL 15-B [Soil] (US &] Sampled 11/07/17 11	l:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 11:30		

SunStar Laboratori Providing Quality Analytical Serv	es, Inc.		RK ORDER	7	Printed: 11/27/2017 3:39:41P
Client: Blackburn Consulting Project: SR99/120 Interchange			Project Manager: Project Number:	Lisa Nguyen [none]	
Analysis	Due	TAT	Expires	Comments	
T172941-50 ADL 15-C [Soil] (US &	Sampled 11/07/17 1	1:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 11:30		
STLC Pb	12/04/17 15:00	5	05/06/18 11:30		
STLC Leaching Procedure Metals	12/04/17 15:00	5	11/21/17 11:30		
T172941-51 ADL 16-A [Soil] (US &	-	2:00 (GMT		2	
6010 Pb	11/17/17 15:00	5	05/06/18 12:00		
T172941-52 ADL 16-B [Soil] (US &	Sampled 11/07/17 12	2:00 (GMT	-08:00) Pacific Time	6	
6010 Pb	11/17/17 15:00	5	05/06/18 12:00		
T172941-53 ADL 16-C [Soil] (US &	Sampled 11/07/17 12	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:00		
T172941-54 ADL 44-A [Soil] (US &	Sampled 11/07/17 12	2:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:45		
T172941-55 ADL 44-B [Soil] (US &	Sampled 11/07/17 12	2:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:45		
T172941-56 ADL 44-C [Soil] (US &	Sampled 11/07/17 12	2:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:45		
T172941-57 ADL 45-A [Soil] (US &	Sampled 11/07/17 1.	3:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 13:30		
T172941-58 ADL 45-B [Soil] (US &	Sampled 11/07/17 1.	3:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 13:30		
T172941-59 ADL 45-C [Soil] (US &	Sampled 11/07/17 1.	3:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 13:30		

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	es, Inc.	WOI	RK ORDER		
PROVIDING QUALITY ANALYTICAL SER	VICES NATIONWIDE			Ч	
2		1	172941		
Client: Blackburn Consulting	g-West Sac.		Project Manager:	Lisa Nguyen	
Project: SR99/120 Interchange	e		Project Number:	[none]	
Analysis	Due	ТАТ	Expires	Comments	
T172941-60 ADL 13-A [Soil] (US &	Sampled 11/07/17 1	14:00 (GMT		2	
6010 Pb	11/17/17 15:00	5	05/06/18 14:00		
T172941-61 ADL 13-B [Soil] (US &	Sampled 11/07/17	14:00 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/06/18 14:00		
T172941-62 ADL 13-C [Soil] (US &	Sampled 11/07/17	14:00 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/06/18 14:00		
T172941-63 ADL 12-A [Soil] (US &	Sampled 11/07/17 1	14:30 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/06/18 14:30		
T172941-64 ADL 12-B [Soil] (US &	Sampled 11/07/17	14:30 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/06/18 14:30		
T172941-65 ADL 12-C [Soil] (US &	Sampled 11/07/17	14:30 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/06/18 14:30		
T172941-66 ADL 10-A [Soil] (US &	Sampled 11/07/17 1	15:00 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/06/18 15:00		
STLC Pb	12/04/17 15:00	5	05/06/18 15:00		
STLC Leaching Procedure Metals	12/04/17 15:00	5	11/21/17 15:00		
T172941-67 ADL 10-B [Soil] (US &	Sampled 11/07/17 1	15:00 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/06/18 15:00		
T172941-68 ADL 10-C [Soil] (US &	Sampled 11/07/17	15:00 (GMT	-08:00) Pacific Time	5	
6010 Pb	11/17/17 15:00	5	05/06/18 15:00		
T172941-69 ADL 08-A [Soil] (US &	Sampled 11/07/17 1	15:45 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/06/18 15:45		
STLC Pb	12/04/17 15:00	5	05/06/18 15:45		
STLC Leaching Procedure Metals	12/04/17 15:00	5	11/21/17 15:45		

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	Dries, Inc.		RK ORDER 5172941						
Client: Blackburn Consul Project: SR99/120 Intercha	8		Project Manager: Project Number:	Lisa Nguyen [none]					
Analysis	Due	ТАТ	Expires	Comments					
T172941-70 ADL 08-B [S (US &	oil] Sampled 11/07/17 1	5:45 (GMT	T-08:00) Pacific Tim	e					
6010 Pb	11/17/17 15:00	5	05/06/18 15:45						
T172941-71 ADL 08-C [S (US &	T172941-71 ADL 08-C [Soil] Sampled 11/07/17 15:45 (GMT-08:00) Pacific Time (US &								
6010 Pb	11/17/17 15:00	5	05/06/18 15:45						

SunStar				Printed: 11/29/2017 11:55:31AM
Laboratories, Inc.	WO	RK ORDER		
Providing Quality Analytical Services Nationwide		Г172941		
Client: Blackburn Consulting-West Sac. Project: SR99/120 Interchange		Project Manager: Project Number:	Lisa Nguyen [none]	
Report To: Blackburn Consulting-West Sac. Ryan Schmidt 2491 Boatman Ave. West Sacramento, CA -				
Date Due: 11/17/17 17:00 (5 day TAT)				
Received By: Sunny Lounethone		Date Received:	11/10/17 10:55	
Logged In By: Sunny Lounethone		Date Logged In:	11/10/17 12:00	
Samples Received at: 5.3°C Custody SealsYesReceived On IceYesContainers IntactYesCOC/Labels AgreeYesPreservation ConfiriNo				
Analysis Due	TAT	Expires	Comments	
T172941-01 ADL 34-A [Soil] Sampled 11/06, (US &	/17 09:00 (GM)	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	00 5	05/05/18 09:00		
T172941-02 ADL 34-B [Soil] Sampled 11/06/ (US &	/17 09:00 (GM)	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	00 5	05/05/18 09:00		
T172941-03 ADL 36-A [Soil] Sampled 11/06/ (US &	/17 09:30 (GM)	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	00 5	05/05/18 09:30		
T172941-04 ADL 36-B [Soil] Sampled 11/06/ (US &	/17 09:30 (GM)	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	00 5	05/05/18 09:30		
T172941-05 ADL 36-C [Soil] Sampled 11/06 (US &	/17 09:30 (GM'	T-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:	00 5	05/05/18 09:30		
T172941-06 ADL 38-A [Soil] Sampled 11/06/ (US &	/17 10:00 (GM/	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	00 5	05/05/18 10:00		
T172941-07 ADL 38-B [Soil] Sampled 11/06, (US &	/17 10:00 (GM)	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	00 5	05/05/18 10:00		

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Laborator	ies, Inc.	woi	RK ORDER		
PROVIDING QUALITY ANALYTICAL SE	RVICES NATIONWIDE		172941	7	
Client: Blackburn Consultin Project: SR99/120 Interchang	-		Project Manager: Project Number:	Lisa Nguyen [none]	
110ject. SR99/120 Interchang	,c		Troject Rumber.	[none]	
Analysis	Due	TAT	Expires	Comments	
T172941-08 ADL 38-C [Soil] (US &	Sampled 11/06/17 1	0:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 10:00		
T172941-09 ADL 46-A [Soil] (US &	Sampled 11/06/17 1	0:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 10:30		
T172941-10 ADL 46-B [Soil] (US &	Sampled 11/06/17 1	0:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 10:30		
T172941-11 ADL 46-C [Soil] (US &	Sampled 11/06/17 1	0:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 10:30		
T172941-12 ADL 47-A [Soil] (US &	Sampled 11/06/17 1	1:00 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/05/18 11:00		
T172941-13 ADL 47-B [Soil] (US &	Sampled 11/06/17 1	1:00 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/05/18 11:00		
T172941-14 ADL 47-C [Soil] (US &	Sampled 11/06/17 1	1:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 11:00		
T172941-15 ADL 48-A [Soil] (US &	Sampled 11/06/17 12	1:30 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/05/18 11:30		
T172941-16 ADL 48-B [Soil] (US &	Sampled 11/06/17 1	1:30 (GMT	-08:00) Pacific Time	5	
6010 Pb	11/17/17 15:00	5	05/05/18 11:30		
T172941-17 ADL 48-C [Soil] (US &	Sampled 11/06/17 1	1:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 11:30		
T172941-18 ADL 49-A [Soil] (US &	Sampled 11/06/17 1	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 12:00		

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Providing Quality Analytical S		WOI	RK ORDER	
PROVIDING QUALITY ANALTTICAL S	ERVICES INATION WIDE	Т	172941	
Client: Blackburn Consultin Project: SR99/120 Interchan	0		Project Manager: Project Number:	Lisa Nguyen [none]
Analysis	Due	TAT	Expires	Comments
T172941-19 ADL 49-B [Soil (US &	l] Sampled 11/06/17	7 12:00 (GMT	-08:00) Pacific Time	2
6010 Pb	11/17/17 15:00	5	05/05/18 12:00	
T172941-20 ADL 49-C [Soi (US &	l] Sampled 11/06/17	7 12:00 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/05/18 12:00	
T172941-21 ADL 50-A [Soil (US &	l] Sampled 11/06/17	/ 12:30 (GMT	-08:00) Pacific Time	2
6010 Pb	11/17/17 15:00	5	05/05/18 12:30	
T172941-22 ADL 50-B [Soil (US &	l] Sampled 11/06/17	7 12:30 (GMT	-08:00) Pacific Time	9
6010 Pb	11/17/17 15:00	5	05/05/18 12:30	
T172941-23 ADL 50-C [Soi (US &	I] Sampled 11/06/17	7 12:30 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/05/18 12:30	
T172941-24 ADL 35-A [Soil (US &	l] Sampled 11/06/17	7 13:00 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/05/18 13:00	
T172941-25 ADL 35-B [Soil (US &	l] Sampled 11/06/17	7 13:00 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/05/18 13:00	
T172941-26 ADL 35-C [Soi (US &	I] Sampled 11/06/17	7 13:00 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/05/18 13:00	
T172941-27 ADL 37-A [Soil (US &	l] Sampled 11/06/17	7 13:30 (GMT	-08:00) Pacific Time	2
6010 Pb	11/17/17 15:00	5	05/05/18 13:30	
pH soil 9045	12/06/17 15:00	5	11/07/17 13:30	11/29/17 11:36, proceed with the analysis with samples outside the holding time criteria.
T172941-28 ADL 37-B [Soil (US &	l] Sampled 11/06/17	7 13:30 (GMT	-08:00) Pacific Time	
6010 Pb	11/17/17 15:00	5	05/05/18 13:30	

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Laboratori	es, Inc.	WO	DV ODDED		
PROVIDING QUALITY ANALYTICAL SE	RVICES NATIONWIDE		RK ORDER	7	
2		1	172941		
Client: Blackburn Consultin	g-West Sac.		Project Manager:	Lisa Nguyen	
Project: SR99/120 Interchang	e		Project Number:	[none]	
Analysis	Due	TAT	Expires	Comments	
T172941-29 ADL 37-C [Soil] (US &	Sampled 11/06/17 1	13:30 (GMT	(-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 13:30		
T172941-30 ADL 25-A [Soil] (US &	Sampled 11/06/17 1	4:00 (GM1	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:00		
T172941-31 ADL 25-B [Soil] (US &	Sampled 11/06/17 1	4:00 (GMT	7-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:00		
T172941-32 ADL 25-C [Soil] (US &	Sampled 11/06/17 1	4:00 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:00		
T172941-33 ADL 26-A [Soil] (US &	Sampled 11/06/17 1	4:30 (GMT	7-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:30		
STLC Pb	12/04/17 15:00	5	05/05/18 14:30		
STLC Leaching Procedure Metals	12/04/17 15:00	5	11/20/17 14:30		
T172941-34 ADL 26-B [Soil] (US &	Sampled 11/06/17 1	4:30 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:30		
STLC Pb	12/04/17 15:00	5	05/05/18 14:30		
STLC Leaching Procedure Metals	12/04/17 15:00	5	11/20/17 14:30		
T172941-35 ADL 26-C [Soil] (US &	Sampled 11/06/17 1	4:30 (GMT	(-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:30		
T172941-36 ADL 24-A [Soil] (US &	Sampled 11/07/17 0	9:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:00		
T172941-37 ADL 24-B [Soil] (US &	Sampled 11/07/17 0	99:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:00		
T172941-38 ADL 24-C [Soil] (US &	Sampled 11/07/17 0	9:00 (GMT	(-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:00		

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Laboratorie	es, Inc.	WOF	RK ORDER		
PROVIDING QUALITY ANALYTICAL SERVE	ICES NATIONWIDE		172941	Г	
		•			
Client: Blackburn Consulting			Project Manager: Project Number:	Lisa Nguyen	
Project: SR99/120 Interchange			Floject Number:	[none]	
Analysis	Due	TAT	Expires	Comments	
T172941-39 ADL 22-A [Soil] (US &	Sampled 11/07/17 09	9:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:45		
T172941-40 ADL 22-B [Soil] (US &	Sampled 11/07/17 09	9:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:45		
T172941-41 ADL 22-C [Soil] (US &	Sampled 11/07/17 09):45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:45		
T172941-42 ADL 20-A [Soil] (US &	Sampled 11/07/17 10):15 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/06/18 10:15		
T172941-43 ADL 20-B [Soil] (US &	Sampled 11/07/17 10):15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:15		
T172941-44 ADL 20-C [Soil] (US &	Sampled 11/07/17 10):15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:15		
T172941-45 ADL 18-A [Soil] (US &	Sampled 11/07/17 10):45 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/06/18 10:45		
T172941-46 ADL 18-B [Soil] (US &	Sampled 11/07/17 10):45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:45		
T172941-47 ADL 18-C [Soil] (US &	Sampled 11/07/17 10):45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:45		
T172941-48 ADL 15-A [Soil] (US &	Sampled 11/07/17 11	:30 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/06/18 11:30		
T172941-49 ADL 15-B [Soil] (US &	Sampled 11/07/17 11	:30 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/06/18 11:30		

WORK ORDER T172941 Clean: Blackburn Consulting:-West Sac: Project SR99/120 Interchange Project Manager: Lisa Nguyen Project Number: [none] Andysis Due TAT Exprest Comments Andysis Due TAT Exprest Comments T172941-50 ADL 15-C [Soil] Sampled 11/07/17 11:30 (GMT-08:00) Pacific Time (CS & 0010 Pb T122041/15:00 5 Ostine Time (CS & 0010 Pb 12/04/17 15:00 5 0506/18 11:30 T172941-51 ADL 16-A [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (CS & 0010 Pb 11/17/17 15:00 5 0506/18 12:00 T172941-52 ADL 16-B [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (CS & 0010 Pb 11/17/17 15:00 5 0506/18 12:00 T172941-53 ADL 16-C [Soil] Sampled 11/07/17 12:200 (GMT-08:00) Pacific Time (CS & 0010 Pb 11/17/17 15:00 5 0506/18 12:00 T172941-54 ADL 44-A [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (CS & 0010 Pb 11/17/17 15:00 5 0506/18 12:45	SunStar	T				Printed: 11/29/2017 11:55:31AM
Client: Blackburn Consulting-West Sac. Project Number: Lisn Nguyen Project: S199/120 Interchange Project Number: [none] Analysis Due TAT Expires Comments T172941-50 ADL 15-C [Soil] Sampled 11/17/17 STIC Project 11/17/17 15:00 5 05/06/18 11:30 STIC Leaching Procedure Metals 12/04/17 15:00 5 11/12/17 11:30 T172941-51 ADL I-A [Soil] Sampled 11/07/17 12:00 STIC Pacachure Metals 12/04/17 15:00 5 05/06/18 12:00 T172941-52 ADL I-A [Soil] Sampled 11/07/17 12:00 T172941-52 ADL I-A [Soil] Sampled 11/07/17 12:00 G010 Pb 11/17/17 15:00 5 05/06/18 12:00 T172941-53 ADL I-C [Soil] Sampled 11/07/17<	Providing Quality Analytical Serv	es, Inc.	WOI	RK ORDER		
Project: SR99/120 Interchange Project Number: [none] Analysis Due TAT Expires Comments T172941-50 ADL 15-C [Soil] Sampled 11/07/17 11:30 (GMT-08:00) Pacific Time (US & 0010 Pb 11/17/17 15:00 5 05/06/18 11:30 STLC Pb 12/04/17 15:00 5 05/06/18 11:30 5 11/21/17 11:30 T172941-51 ADL 16-A [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 0010 Pb 11/17/17 15:00 5 05/06/18 12:00 T172941-52 ADL 16-B [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 0010 Pb 11/17/17 15:00 5 05/06/18 12:00 T172941-53 ADL 16-C [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 0010 Pb 11/17/17 15:00 5 05/06/18 12:00 T172941-54 ADL 44-A [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 0010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-55 ADL 44-B [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 0010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-55 ADL 44-B [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 0010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-55 ADL 45-A [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 0010 Pb 11/1			Т	172941		
T172941-50 ADL 15-C [Soil] Sampled Ll/07/17 11:30 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 11:30 STLC Pb 12/04/17 15:00 5 05/06/18 11:30 STLC Leaching Procedure Metals 12/04/17 15:00 5 11/21/17 11:30 T172941-51 ADL 16-A [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:00 T172941-52 ADL 16-B [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:00 T172941-54 ADL 44-A [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-55	•					
(US & - 6010 Pb 11/17/17 15:00 5 05/06/18 11:30 STL C. Pb 12/04/17 15:00 5 05/06/18 11:30 STL C. Laching Procedure Metals 12/04/17 15:00 5 05/06/18 11:30 TT72941-51 ADL 16-A [Soil] Sampled 11/07/17 12:00 (GWT-08:00) Pacific Time (US & 010 Pb 11/17/17 15:00 5 05/06/18 12:00 TT72941-52 ADL 16-B [Soil] Sampled 11/07/17 12:00 (GWT-08:00) Pacific Time (US & 010 Pb 11/17/17 15:00 5 05/06/18 12:00 TT72941-53 ADL 16-C [Soil] Sampled 11/07/17 12:00 (GWT-08:00) Pacific Time (US & 010 Pb 11/17/17 15:00 5 05/06/18 12:00 TT72941-54 ADL 44-A [Soil] Sampled 11/07/17 12:45 (GWT-08:00) Pacific Time (US & 010 Pb 11/17/17 15:00 5 05/06/18 12:45 TT72941-55 ADL 44-B [Soil] Sampled 11/07/17 12:45 (GWT-08:00) Pacific Time (US & 010 Pb 11/17/17 15:00 5 05/06/18 12:45 TT72941-55 ADL 44-B [Soil] Sampled 11/07/17 12:45 (GWT-08:00) Pacific Time (US & 010 Pb 11/17/17 15:00 5 05/06/18 12:45 TT72941-55 ADL 45-A [Soil] Sampled 11/07/17 13:30 (GWT-08:00) Pacific Time (US & 010 Pb 11/17/17 15:00 5 05/06/18 13:30	Analysis	Due	TAT	Expires	Comments	
STLC Pb 12/04/17 15:00 5 05/06/18 11:30 STLC Leaching Procedure Metals 12/04/17 15:00 5 11/21/17 11:30 T172941-51 ADL 16-A [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 0010 Pb 11/17/17 15:00 5 05/06/18 12:00 T172941-52 ADL 16-B [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:00 T172941-53 ADL 16-C [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:00 T172941-54 ADL 44-A [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:00 T172941-55 ADL 44-B [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-55 ADL 44-B [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-55 ADL 44-B [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-58 ADL 45-A [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-58 ADL 45-B [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6		Sampled 11/07/17 1	1:30 (GMT	'-08:00) Pacific Time	2	
STLC Leaching Procedure Metals 1204/17 15:00 5 11/21/17 15:00 T172941-51 ADL 16-A [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 11/17/17 15:00 5 05/06/18 12:00 T172941-52 ADL 16-B [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 05/06/18 12:00 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 05/06/18 12:00 11/17/17 15:00 5 05/06/18 12:00 T172941-53 ADL 16-C [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 11/17/17 15:00 5 05/06/18 12:45 T172941-54 ADL 44-A [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 11/17/17 15:00 5 05/06/18 12:45 T172941-56 ADL 44-C [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 010 Pb 11/17/17 15:00 5 05/06/18	6010 Pb	11/17/17 15:00	5	05/06/18 11:30		
T172941-51 ADL 16-A [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:00 T172941-52 ADL 16-B [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:00 T172941-53 ADL 16-C [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:00 T172941-54 ADL 44-A [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-55 ADL 44-B [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-56 ADL 44-C [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-57 ADL 45-A [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
(US & 11/17/17 15:00 5 05/06/18 12:00 T172941-52 ADL 16-B [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:00 T172941-53 ADL 16-C [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:00 T172941-54 ADL 44-A [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-55 ADL 44-A [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-55 ADL 44-C [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-57 ADL 45-A [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-58 ADL 45-B [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (U	STLC Leaching Procedure Metals	12/04/17 15:00	5	11/21/17 11:30		
T172941-52 ADL 16-B [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:00 T172941-53 ADL 16-C [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:00 T172941-54 ADL 44-A [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-55 ADL 44-B [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-56 ADL 44-C [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-56 ADL 44-C [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-57 ADL 45-A [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/		Sampled 11/07/17 1	2:00 (GMT	'-08:00) Pacific Time	e	
(US &	6010 Pb	11/17/17 15:00	5	05/06/18 12:00		
T172941-53 ADL 16-C [Soil] Sampled 11/07/17 12:00 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:00 T172941-54 ADL 44-A [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-55 ADL 44-B [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-55 ADL 44-B [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-56 ADL 44-C [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-57 ADL 45-A [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-58 ADL 45-B [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-58 ADL 45-B [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6 <td></td> <td>Sampled 11/07/17 1</td> <td>2:00 (GMT</td> <td>-08:00) Pacific Time</td> <td>e</td> <td></td>		Sampled 11/07/17 1	2:00 (GMT	-08:00) Pacific Time	e	
(US &	6010 Pb	11/17/17 15:00	5	05/06/18 12:00		
T172941-54 ADL 44-A [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-55 ADL 44-B [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-56 ADL 44-C [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-57 ADL 45-A [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-58 ADL 45-A [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-58 ADL 45-B [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-59 ADL 45-C [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 11/17/17 15:00 5 05/06/18 13:30		Sampled 11/07/17 1	2:00 (GMT	-08:00) Pacific Time	e	
(US & 11/17/17 15:00 5 05/06/18 12:45 T172941-55 ADL 44-B [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 05/06/18 12:45 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-56 ADL 44-C [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 05/06/18 12:45 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-57 ADL 45-A [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 05/06/18 12:45 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-58 ADL 45-B [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 05/06/18 13:30 11/17/17 15:00 T172941-59 ADL 45-B [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 05/06/18 13:30 11/17/17 15:00 T172941-59 ADL 45-C [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 05/06/18 13:30 05/06/18 13:30	6010 Pb	11/17/17 15:00	5	05/06/18 12:00		
T172941-55 ADL 44-B [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-56 ADL 44-C [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-57 ADL 45-A [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-58 ADL 45-B [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-58 ADL 45-B [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-59 ADL 45-C [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 11/17/17 15:00 5 05/06/18 13:30		Sampled 11/07/17 1	2:45 (GMT	-08:00) Pacific Time	9	
(US & 11/17/17 15:00 5 05/06/18 12:45 T172941-56 ADL 44-C [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 05/06/18 12:45 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-57 ADL 45-A [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 05/06/18 13:30 11/17/17 15:00 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 11/17/17 15:00 T172941-58 ADL 45-B [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-59 ADL 45-C [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 5 05/06/18 13:30 11/17/17 15:00 5 05/06/18 13:30	6010 Pb	11/17/17 15:00	5	05/06/18 12:45		
T172941-56 ADL 44-C [Soil] Sampled 11/07/17 12:45 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 12:45 T172941-57 ADL 45-A [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-58 ADL 45-B [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-58 ADL 45-B [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 11/17/17 15:00 5 05/06/18 13:30 T172941-59 ADL 45-C [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 11/17/17 13:30 (GMT-08:00) Pacific Time (US &		Sampled 11/07/17 1	2:45 (GMT	-08:00) Pacific Time	e	
(US & 11/17/17 15:00 5 05/06/18 12:45 T172941-57 ADL 45-A [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-58 ADL 45-B [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-59 ADL 45-C [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 5 05/06/18 13:30 11/17/17 15:00 5 05/06/18 13:30	6010 Pb	11/17/17 15:00	5	05/06/18 12:45		
T172941-57 ADL 45-A [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-58 ADL 45-B [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-59 ADL 45-C [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 05/06/18 13:30)		Sampled 11/07/17 1	2:45 (GMT	C-08:00) Pacific Time	e	
(US & 11/17/17 15:00 5 05/06/18 13:30 T172941-58 ADL 45-B [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 11/17/17 15:00 5 05/06/18 13:30 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 05/06/18 13:30 T172941-59 ADL 45-C [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US &	6010 Pb	11/17/17 15:00	5	05/06/18 12:45		
T172941-58 ADL 45-B [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 13:30 T172941-59 ADL 45-C [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US &		Sampled 11/07/17 1	3:30 (GMT	-08:00) Pacific Time	9	
(US & - - - -	6010 Pb	11/17/17 15:00	5	05/06/18 13:30		
T172941-59 ADL 45-C [Soil] Sampled 11/07/17 13:30 (GMT-08:00) Pacific Time (US &		Sampled 11/07/17 1	3:30 (GMT	-08:00) Pacific Time	e	
(US &	6010 Pb	11/17/17 15:00	5	05/06/18 13:30		
		Sampled 11/07/17 1	3:30 (GMT	-08:00) Pacific Time	e	
		11/17/17 15:00	5	05/06/18 13:30		

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Laboratori	es, Inc.	WOI	RK ORDER		
PROVIDING QUALITY ANALYTICAL SER	VICES NATIONWIDE			Т	
-		1	172941		
Client: Blackburn Consulting	g-West Sac.		Project Manager:	Lisa Nguyen	
Project: SR99/120 Interchange	e		Project Number:	[none]	
Analysis	Due	ТАТ	Expires	Comments	
T172941-60 ADL 13-A [Soil] (US &	Sampled 11/07/17 1	4:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 14:00		
T172941-61 ADL 13-B [Soil] (US &	Sampled 11/07/17 1	14:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 14:00		
T172941-62 ADL 13-C [Soil] (US &	Sampled 11/07/17	14:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 14:00		
T172941-63 ADL 12-A [Soil] (US &	Sampled 11/07/17 1	4:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 14:30		
T172941-64 ADL 12-B [Soil] (US &	Sampled 11/07/17 1	14:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 14:30		
T172941-65 ADL 12-C [Soil] (US &	Sampled 11/07/17	14:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 14:30		
T172941-66 ADL 10-A [Soil] (US &	Sampled 11/07/17 1	15:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 15:00		
STLC Pb	12/04/17 15:00	5	05/06/18 15:00		
STLC Leaching Procedure Metals	12/04/17 15:00	5	11/21/17 15:00		
T172941-67 ADL 10-B [Soil] (US &	Sampled 11/07/17 1	15:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 15:00		
T172941-68 ADL 10-C [Soil] (US &	Sampled 11/07/17	15:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 15:00		
T172941-69 ADL 08-A [Soil] (US &	Sampled 11/07/17 1	15:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 15:45		
STLC Pb	12/04/17 15:00	5	05/06/18 15:45		
STLC Leaching Procedure Metals	12/04/17 15:00	5	11/21/17 15:45		

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	AL SERVICES NATIONWIDE		RK ORDER 172941					
Client: Blackburn Consu Project: SR99/120 Interch	8		Project Manager: Project Number:	Lisa Nguyen [none]				
Analysis	Due	TAT	Expires	Comments				
T172941-70 ADL 08-B [S (US &	oil] Sampled 11/07/17 1	5:45 (GMT	T-08:00) Pacific Tim	e				
6010 Pb	11/17/17 15:00	5	05/06/18 15:45					
T172941-71 ADL 08-C [Soil] Sampled 11/07/17 15:45 (GMT-08:00) Pacific Time (US &								
6010 Pb	11/17/17 15:00	5	05/06/18 15:45					

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Laboratories, Inc.	WO	RK ORDER		
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE		Г172941		
Client: Blackburn Consulting-West Sac. Project: SR99/120 Interchange		Project Manager: Project Number:	Lisa Nguyen [none]	
<u>Report To:</u> Blackburn Consulting-West Sac. Ryan Schmidt 2491 Boatman Ave. West Sacramento, CA -				
Date Due: 11/17/17 17:00 (5 day TAT)				
Received By: Sunny Lounethone		Date Received:	11/10/17 10:55	
Logged In By: Sunny Lounethone		Date Logged In:	11/10/17 12:00	
Samples Received at:5.3°CCustody SealsYesReceived On IceYesContainers IntactYesCOC/Labels AgreeYesPreservation ConfiriNo				
Analysis Due	TAT	Expires	Comments	
T172941-01 ADL 34-A [Soil] Sampled 11/06/ (US &	17 09:00 (GM	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	0 5	05/05/18 09:00		
T172941-02 ADL 34-B [Soil] Sampled 11/06/ (US &	17 09:00 (GM)	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	0 5	05/05/18 09:00		
T172941-03 ADL 36-A [Soil] Sampled 11/06/ (US &	17 09:30 (GM)	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	0 5	05/05/18 09:30		
T172941-04 ADL 36-B [Soil] Sampled 11/06/ (US &	17 09:30 (GM)	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	0 5	05/05/18 09:30		
T172941-05 ADL 36-C [Soil] Sampled 11/06/ (US &	17 09:30 (GM	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	0 5	05/05/18 09:30		
T172941-06 ADL 38-A [Soil] Sampled 11/06/ (US &	17 10:00 (GM)	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	0 5	05/05/18 10:00		
T172941-07 ADL 38-B [Soil] Sampled 11/06/ (US &	17 10:00 (GM)	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15:0	0 5	05/05/18 10:00		

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	ories, Inc.	WOI	RK ORDER		
PROVIDING QUALITY ANALYTICA	L SERVICES INATIONWIDE		172941		
Client: Blackburn Consul Project: SR99/120 Intercha			Project Manager: Project Number:	Lisa Nguyen [none]	
Analysis	Due	ТАТ	Expires	Comments	
T172941-08 ADL 38-C [S (US &	oil] Sampled 11/06/17	10:00 (GMT	-08:00) Pacific Tim	e	
6010 Pb	11/17/17 15:00	5	05/05/18 10:00		
T172941-09 ADL 46-A [S (US &	oil] Sampled 11/06/17	10:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 10:30		
T172941-10 ADL 46-B [S (US &	oil] Sampled 11/06/17	10:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 10:30		
T172941-11 ADL 46-C [S (US &	oil] Sampled 11/06/17 1	10:30 (GMT	-08:00) Pacific Tim	e	
6010 Pb	11/17/17 15:00	5	05/05/18 10:30		
T172941-12 ADL 47-A [S (US &	oil] Sampled 11/06/17 1	11:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 11:00		
T172941-13 ADL 47-B [S (US &	oil] Sampled 11/06/17 1	11:00 (GMT	-08:00) Pacific Time	е	
6010 Pb	11/17/17 15:00	5	05/05/18 11:00		
T172941-14 ADL 47-C [S (US &	oil] Sampled 11/06/17	11:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 11:00		
T172941-15 ADL 48-A [S (US &	oil] Sampled 11/06/17	11:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 11:30		
T172941-16 ADL 48-B [S (US &	oil] Sampled 11/06/17 1	11:30 (GMT	-08:00) Pacific Time	е	
6010 Pb	11/17/17 15:00	5	05/05/18 11:30		
T172941-17 ADL 48-C [S (US &	oil] Sampled 11/06/17	11:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 11:30		
T172941-18 ADL 49-A [S (US &	oil] Sampled 11/06/17	12:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 12:00		

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Providing Quality Analytical Service		WOF	RK ORDER	
TROUDING QUALITY ANALITICAL OLIVICI		Т	172941	
Client: Blackburn Consulting-V Project: SR99/120 Interchange	West Sac.		Project Manager: Project Number:	Lisa Nguyen [none]
Analysis	Due	TAT	Expires	Comments
T172941-19 ADL 49-B [Soil] S (US &	ampled 11/06/17 1	2:00 (GMT	-08:00) Pacific Time	
6010 Pb	11/17/17 15:00	5	05/05/18 12:00	
T172941-20 ADL 49-C [Soil] S (US &	ampled 11/06/17 1	12:00 (GMT)	-08:00) Pacific Time	2
6010 Pb	11/17/17 15:00	5	05/05/18 12:00	
T172941-21 ADL 50-A [Soil] S (US &	ampled 11/06/17 1	2:30 (GMT-	-08:00) Pacific Time	2
6010 Pb	11/17/17 15:00	5	05/05/18 12:30	
T172941-22 ADL 50-B [Soil] S (US &	ampled 11/06/17 1	2:30 (GMT	-08:00) Pacific Time	2
6010 Pb	11/17/17 15:00	5	05/05/18 12:30	
T172941-23 ADL 50-C [Soil] S (US &	ampled 11/06/17 1	12:30 (GMT	-08:00) Pacific Time	2
6010 Pb	11/17/17 15:00	5	05/05/18 12:30	
T172941-24 ADL 35-A [Soil] S (US &	ampled 11/06/17 1	3:00 (GMT	-08:00) Pacific Time	
6010 Pb	11/17/17 15:00	5	05/05/18 13:00	
T172941-25 ADL 35-B [Soil] S (US &	ampled 11/06/17 1	3:00 (GMT	-08:00) Pacific Time	
6010 Pb	11/17/17 15:00	5	05/05/18 13:00	
T172941-26 ADL 35-C [Soil] S (US &	ampled 11/06/17 1	13:00 (GMT	-08:00) Pacific Time	2
6010 Pb	11/17/17 15:00	5	05/05/18 13:00	
T172941-27 ADL 37-A [Soil] S (US &	ampled 11/06/17 1	3:30 (GMT)	-08:00) Pacific Time	
6010 Pb	11/17/17 15:00	5	05/05/18 13:30	
pH soil 9045	11/30/17 15:00	5	11/07/17 13:30	11/29/17 11:36, proceed with the analysis with samples outside the holding time criteria.
T172941-28 ADL 37-B [Soil] S (US &	ampled 11/06/17 1	3:30 (GMT	-08:00) Pacific Time	9
6010 Pb	11/17/17 15:00	5	05/05/18 13:30	

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Laboratorie	es. Inc.	WO			
PROVIDING QUALITY ANALYTICAL SERV			RK ORDER	7	
		1	172941		
Client: Blackburn Consulting	-West Sac.		Project Manager:	Lisa Nguyen	
Project: SR99/120 Interchange			Project Number:	[none]	
Analysis	Due	ТАТ	Expires	Comments	
T172941-29 ADL 37-C [Soil] (US &	Sampled 11/06/17 13	3:30 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 13:30		
T172941-30 ADL 25-A [Soil] (US &	Sampled 11/06/17 14	l:00 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/05/18 14:00		
T172941-31 ADL 25-B [Soil]	Sampled 11/06/17 14	l:00 (GMT	-08:00) Pacific Time	e	
(US &		_	05/05/10 14 00		
6010 Pb	11/17/17 15:00	5	05/05/18 14:00		
T172941-32 ADL 25-C [Soil] (US &	Sampled 11/06/17 14	4:00 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:00		
T170041 22 ADI 07 A [0.3]	S1-1-11/07/17-1	1.20 (CMT	0.00.00) D = - ! ^e - T!	_	
T172941-33 ADL 26-A [Soil] (US &	Sampled 11/06/17 12	1:30 (GM I	-08:00) Pacific 11m	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:30		
STLC Pb	12/01/17 15:00	4	05/05/18 14:30		
STLC Leaching Procedure Metals	12/01/17 15:00	4	11/20/17 14:30		
T172941-34 ADL 26-B [Soil]	Sompled 11/06/17 1/	1.30 (CMT	08.00) Pacific Time		
(US &	Sampleu 11/00/17 14	6.50 (GM1	-00:00) Facilie Tillio	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:30		
STLC Pb	12/01/17 15:00	4	05/05/18 14:30		
STLC Leaching Procedure Metals	12/01/17 15:00	4	11/20/17 14:30		
T172941-35 ADL 26-C [Soil] (US &	Sampled 11/06/17 14	4:30 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/05/18 14:30		
T172941-36 ADL 24-A [Soil] (US &	Sampled 11/07/17 09):00 (GMT	-08:00) Pacific Time	5	
6010 Pb	11/17/17 15:00	5	05/06/18 09:00		
T172941-37 ADL 24-B [Soil]	Sampled 11/07/17 09	9:00 (GMT	-08:00) Pacific Time	9	

T172941-37 ADL 24-B [Soil] Sampled 11/07/17 09:00 (GMT-08:00) Pacific Time (US &

6010 Pb 11/17/17 15:00 5 05/06/18 09:00

T172941-38 ADL 24-C [Soil] Sampled 11/07/17 09:00 (GMT-08:00) Pacific Time (US & 6010 Pb 11/17/17 15:00 5 05/06/18 09:00

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Laboratori	es, Inc.	WOI	RK ORDER		
PROVIDING QUALITY ANALYTICAL SER	VICES NATIONWIDE		172941	7	
		1	1/2741		
Client: Blackburn Consulting	g-West Sac.		Project Manager:	Lisa Nguyen	
Project: SR99/120 Interchange	e		Project Number:	[none]	
Analysis	Due	TAT	Expires	Comments	
T172941-39 ADL 22-A [Soil] (US &	Sampled 11/07/17 09	9:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:45		
T172941-40 ADL 22-B [Soil] (US &	Sampled 11/07/17 09	9:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:45		
T172941-41 ADL 22-C [Soil] (US &	Sampled 11/07/17 0	9:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 09:45		
T172941-42 ADL 20-A [Soil] (US &	Sampled 11/07/17 10	0:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:15		
T172941-43 ADL 20-B [Soil] (US &	Sampled 11/07/17 10	0:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:15		
T172941-44 ADL 20-C [Soil] (US &	Sampled 11/07/17 1	0:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:15		
T172941-45 ADL 18-A [Soil] (US &	Sampled 11/07/17 10	0:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:45		
T172941-46 ADL 18-B [Soil] (US &	Sampled 11/07/17 10	0:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:45		
T172941-47 ADL 18-C [Soil] (US &	Sampled 11/07/17 1	0:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 10:45		
T172941-48 ADL 15-A [Soil] (US &	Sampled 11/07/17 11	1:30 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/06/18 11:30		
T172941-49 ADL 15-B [Soil] (US &	Sampled 11/07/17 1	1:30 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/06/18 11:30		

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Providing Quality Analytical Service		WOI	RK ORDER		
		Т	172941		
Client: Blackburn Consulting Project: SR99/120 Interchange	-		Project Manager: Project Number:	Lisa Nguyen [none]	
Analysis	Due	TAT	Expires	Comments	
T172941-50 ADL 15-C [Soil] (US &	Sampled 11/07/17 1	11:30 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/06/18 11:30		
STLC Pb	12/01/17 15:00	4	05/06/18 11:30		
STLC Leaching Procedure Metals	12/01/17 15:00	4	11/21/17 11:30		
T172941-51 ADL 16-A [Soil] (US &	Sampled 11/07/17 1	12:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:00		
T172941-52 ADL 16-B [Soil] (US &	Sampled 11/07/17 1	12:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:00		
T172941-53 ADL 16-C [Soil] (US &	Sampled 11/07/17 1	12:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:00		
T172941-54 ADL 44-A [Soil] (US &	Sampled 11/07/17 1	2:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:45		
T172941-55 ADL 44-B [Soil] (US &	Sampled 11/07/17 1	12:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:45		
T172941-56 ADL 44-C [Soil] (US &	Sampled 11/07/17 1	12:45 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 12:45		
T172941-57 ADL 45-A [Soil] (US &	Sampled 11/07/17 1	13:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 13:30		
T172941-58 ADL 45-B [Soil] (US &	Sampled 11/07/17 1	13:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 13:30		
T172941-59 ADL 45-C [Soil] (US &	Sampled 11/07/17 1	13:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 13:30		

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Laboratori	es, Inc.	WO	RK ORDER		
PROVIDING QUALITY ANALYTICAL SER	VICES INATIONWIDE		172941		
Client: Blackburn Consulting Project: SR99/120 Interchange			Project Manager: Project Number:	Lisa Nguyen [none]	
Analysis	Due	TAT	Expires	Comments	
T172941-60 ADL 13-A [Soil] (US &	Sampled 11/07/17 1	14:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 14:00		
T172941-61 ADL 13-B [Soil] (US &	Sampled 11/07/17	14:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 14:00		
T172941-62 ADL 13-C [Soil] (US &	Sampled 11/07/17	14:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 14:00		
T172941-63 ADL 12-A [Soil] (US &	Sampled 11/07/17 1	14:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 14:30		
T172941-64 ADL 12-B [Soil] (US &	Sampled 11/07/17 1	14:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 14:30		
T172941-65 ADL 12-C [Soil] (US &	Sampled 11/07/17	14:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 14:30		
T172941-66 ADL 10-A [Soil] (US &	Sampled 11/07/17 1	15:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 15:00		
STLC Pb	12/01/17 15:00	4	05/06/18 15:00		
STLC Leaching Procedure Metals	12/01/17 15:00	4	11/21/17 15:00		
T172941-67 ADL 10-B [Soil] (US &	Sampled 11/07/17	15:00 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 15:00		
T172941-68 ADL 10-C [Soil] (US &	Sampled 11/07/17	15:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 15:00		
T172941-69 ADL 08-A [Soil] (US &	Sampled 11/07/17 1	15:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/06/18 15:45		
STLC Pb	12/01/17 15:00	4	05/06/18 15:45		
STLC Leaching Procedure Metals	12/01/17 15:00	4	11/21/17 15:45		

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	Ories, Inc. AL SERVICES NATIONWIDE		RK ORDER [172941		
Client: Blackburn Consu Project: SR99/120 Interch	8		Project Manager: Project Number:	Lisa Nguyen [none]	
Analysis	Due	TAT	Expires	Comments	
T172941-70 ADL 08-B [S (US &	Soil] Sampled 11/07/17 1	5:45 (GMT	Г-08:00) Pacific Tim	e	
6010 Pb	11/17/17 15:00	5	05/06/18 15:45		
T172941-71 ADL 08-C [S (US &	Soil] Sampled 11/07/17 1	5:45 (GMT	Г-08:00) Pacific Tim	e	
6010 Pb	11/17/17 15:00	5	05/06/18 15:45		

SunStar – Laboratories, Inc.

25712 Commercentre Drive Lake Forest, California 92630 949.297.5020 Phone 949.297.5027 Fax

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

01 December 2017

Ryan Schmidt Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento, CA -RE: SR99/120 Interchange

Enclosed are the results of analyses for samples received by the laboratory on 11/10/17 10:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Nguyen Project Manager Assistant

SunStar — Laboratories, Inc. Providing Quality Analytical Services Nationwide

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Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: 2998.X	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	12/01/17 17:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ADL 09-C	T172943-06	Soil	11/08/17 09:45	11/10/17 10:55
ADL 14-A	T172943-25	Soil	11/08/17 15:00	11/10/17 10:55
ADL 14-C	T172943-27	Soil	11/08/17 15:00	11/10/17 10:55
ADL 19-A	T172943-31	Soil	11/09/17 09:00	11/10/17 10:55
ADL 21-A	T172943-34	Soil	11/09/17 09:45	11/10/17 10:55
ADL 29-A	T172943-43	Soil	11/09/17 12:00	11/10/17 10:55

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Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: 2998.X	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	12/01/17 17:05

DETECTIONS SUMMARY

Sample ID:	ADL 09-C	Labora	tory ID:	T172943-06		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
pH		6.7	0.1	pH Units	EPA 9045B	O-09
Sample ID:	ADL 14-A	Labora	tory ID:	T172943-25		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		7.2	0.10	mg/l	STLC Waste Extraction T	
Sample ID:	ADL 14-C	Labora	tory ID:	T172943-27		
-			Reporting			
Analyte		Result	Limit	Units	Method	Notes
рН		6.3	0.1	pH Units	EPA 9045B	O-09
Sample ID:	ADL 19-A	Labora	tory ID:	T172943-31		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		3.3	0.10	mg/l	STLC Waste Extraction T	
Sample ID:	ADL 21-A	Labora	tory ID:	T172943-34		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
рН		6.8	0.1	pH Units	EPA 9045B	O-09
	ADL 29-A	Labora	tory ID:	T172943-43		
Sample ID:			-			
Sample ID:			Reporting			
Sample ID: Analyte		Result	Reporting Limit	Units	Method	Notes

SunStar Laboratories, Inc.



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Blackburn Consulting-West Sac.	Project:	SR99/120 Interchange	
2491 Boatman Ave.	Project Number:	2998.X	Reported:
West Sacramento CA, -	Project Manager:	Ryan Schmidt	12/01/17 17:05

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

Sun	Star
	Laboratories, Inc.
PROVIDING	QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive Lake Forest, California 92630 949.297.5020 Phone 949.297.5027 Fax

Blackburn Consulting-West Sac. 2491 Boatman Ave. West Sacramento CA, -		Project:SR99/120 InterchangeProject Number:298.XProject Manager:Ryan Schmidt12/01/17 17:05												
ADL 09-C T172943-06 (Soil)														
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes					
	SunStar Laboratories, Inc.													
Conventional Chemistry Parameters by	APHA/EPA/ASTM	Methods												
рН	6.7	0.1	pH Units	1	7112918	11/29/17	11/29/17	EPA 9045B	O-09					

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

SunStar Laboratories, Inc. Providing Quality Analytical Services Nationwide							L				
Blackburn Consulting-West Sac.		Proje	et: SR99	9/120 Intercha	nge						
2491 Boatman Ave.		Project Numb	er: 2998	.Х				Reported	:		
West Sacramento CA, -	Project Manager: Ryan Schmidt								12/01/17 17:05		
			DL 14-A 43-25 (8	-							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
		SunStar La	aborato	ries, Inc.							
STLC Metals by 6000/7000 Series Methods											
Lead	7.2	0.10	mg/l	1	7112927	11/29/17	12/01/17	STLC Waste			

Extraction Test

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

SunStar Laboratories, Inc. Providing Quality Analytical Services Nationwide							_		
Blackburn Consulting-West Sac.				/120 Interchar	nge				
2491 Boatman Ave. West Sacramento CA, -		Project Numb Project Manag						Reported 12/01/17 17	
			DL 14-C 943-27 (S						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aborator	ies, Inc.					
Conventional Chemistry Parameters by APHA	/EPA/AST	FM Methods							

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6.3 0.1 pH Units 1 7112918

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

11/29/17

11/29/17

EPA 9045B

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SunStar Laboratories, Inc Providing Quality Analytical Services Nationwid									
Blackburn Consulting-West Sac.		Proje	ct: SR99	/120 Intercha	nge				
2491 Boatman Ave.				Reported:					
West Sacramento CA, -		Project Manag	er: Ryan		12/01/17 17:05				
			DL 19-A 43-31 (S						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aborator	ies, Inc.					

Extraction Test

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

SunStar Laboratories, Inc. Providing Quality Analytical Services Nationwide							_		
Blackburn Consulting-West Sac.		Proje	ect: SR99	/120 Interchar	nge				
2491 Boatman Ave.		Project Numb	er: 2998.	Х				Reported	:
West Sacramento CA, -		Project Manag	er: Ryan	Schmidt				12/01/17 17	2:05
			DL 21-A 943-34 (S						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aborator	ies, Inc.					
Conventional Chemistry Parameters by APHA	/EPA/AST	FM Methods							

6.8 0.1 pH Units 1 7112918 11/29/17 11/29/17

SunStar Laboratories, Inc.

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Lisa Nguyen, Project Manager Assistant

EPA 9045B

O-09

SunStar Laboratories, Inc Providing Quality Analytical Services Nationwi									
Blackburn Consulting-West Sac.		Proje	ct: SR9	99/120 Intercha	nge				
2491 Boatman Ave.		Project Numb	er: 299	8.X				Reported:	
West Sacramento CA, -			12/01/17 17	:05					
		AI T1729	DL 29- 43-43 (
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aborat	ories, Inc.					
<u>STLC Metals by 6000/7000 Series Methods</u> Lead	0.56	0.10	mg/l	1	7112927	11/29/17	12/01/17	STLC Waste	

Extraction Test

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

SunStar — Laboratories, Inc. Providing Quality Analytical Services Nationwide

25712 Commercentre Drive Lake Forest, California 92630 949.297.5020 Phone 949.297.5027 Fax

Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: 2998.X	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	12/01/17 17:05

STLC Metals by 6000/7000 Series Methods - Quality Control

SunStar Laboratories, Inc.

	Reporting		Spike	Source		%REC		RPD	
Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
			Prepared: 1	1/29/17 Ar	nalyzed: 12	/01/17			
ND	0.10	mg/l							
ND	0.10	"							
ND	0.10	"							
			Prepared: 1	1/29/17 Ar	nalyzed: 12	/01/17			
10.2	0.10	mg/l	10.0		102	75-125			
9.82	0.10		10.0		98.2	0-200			
9.77	0.10		10.0		97.7	0-200			
9.75	0.10	"	10.0		97.5	0-200			
Sou	rce: T172943-2	25	Prepared: 1	1/29/17 Ar	nalyzed: 12				
15.8	0.10	mg/l	10.0	7.19	86.4	75-125			
9.52	0.10	"	10.0	0.0972	94.3	0-200			
13.4	0.10	"	10.0	4.81	85.5	0-200			
9.36	0.10	"	10.0	ND	93.6	0-200			
Sou	rce: T172943-2	25	Prepared: 1	1/29/17 Ar	nalyzed: 12	/01/17			
16.0	0.10	mg/l	10.0	7.19	88.0	75-125	1.00	30	
9.57	0.10		10.0	0.0972	94.7	0-200	0.441	200	
13.5	0.10		10.0	4.81	87.0	0-200	1.14	200	
9.37	0.10	"	10.0	ND	93.7	0-200	0.0253	200	
	ND ND ND 10.2 9.82 9.77 9.75 Sou 15.8 9.52 13.4 9.36 Sou 16.0 9.57 13.5	Result Limit ND 0.10 Source: T172943-7 15.8 0.10 9.52 0.10 13.4 0.10 9.36 0.10 Source: T172943-7 16.0 0.10 9.57 0.10 13.5 0.10	Result Limit Units ND 0.10 mg/l ND 0.10 " 10.2 0.10 mg/l 9.82 0.10 " 9.77 0.10 " 9.75 0.10 " 9.75 0.10 " 9.52 0.10 " 13.4 0.10 " 9.36 0.10 " 50urce: T172943-255 16.0 mg/l 13.5 0.10 "	Result Limit Units Level ND 0.10 mg/l ND 0.10 " Prepared: 1 10.0 9.82 9.77 0.10 " 10.0 9.75 0.10 " 10.0 9.75 0.10 " 10.0 9.52 0.10 " 10.0 9.52 0.10 " 10.0 9.36 0.10 " 10.0 9.36 0.10 " 10.0 9.57 0.10 " 10.0 9.57 0.10 " 10.0 9.57 0.10 " 10.0 9.57 0.10 " 10.0 9.57 0.10 " 10.0 9.57 <td>Result Limit Units Level Result Prepared: 11/29/17 Ar ND 0.10 mg/l ND 0.10 " Prepared: 11/29/17 10.2 0.10 mg/l 9.82 0.10 " 9.77 0.10 " 9.75 0.10 " 10.0 9.75 0.10 9.75 0.10 " 15.8 0.10 mg/l 15.8 0.10 " 9.36 0.10 " 9.36 0.10 " 16.0 0.10 mg/l 10.0 9.57 0.10 " 10.0 9.57 0.10</td> <td>Result Limit Units Level Result %REC Prepared: 11/29/17 Analyzed: 12 ND 0.10 mg/l ND 0.10 " ND 0.10 " Prepared: 11/29/17 Analyzed: 12 10.2 10.0 " ND 0.10 " Prepared: 11/29/17 Analyzed: 12 102 9.82 0.10 " 10.0 98.2 9.77 0.10 " 10.0 97.7 9.75 0.10 " 10.0 97.5 Source: T172943-25 Prepared: 11/29/17 Analyzed: 12 15.8 0.10 mg/l 10.0 0.0972 94.3 13.4 0.10 " 10.0 ND 93.6 Source: T172943-25 Prepared: 11/29/17 Analyzed: 12 16.0 0.10 " 10.0 ND 93.6 59.36 0.10 " 10.0 7.19 88.0 9.57 0.10 " 10.0 7.19</td> <td>Result Limit Units Level Result %REC Limits Prepared: 11/29/17 Analyzed: 12/01/17 ND 0.10 mg/l ND 0.10 " ND 0.10 " Prepared: 11/29/17 Analyzed: 12/01/17 ND 0.10 " ND 0.10 " Prepared: 11/29/17 Analyzed: 12/01/17 ND 275-125 9.82 0.10 mg/l 10.0 98.2 0-200 9.77 0.10 " 10.0 97.7 0-200 9.75 0.10 " 10.0 97.5 0-200 9.75 0.10 " 10.0 97.5 0-200 9.75 0.10 " 10.0 97.5 0-200 9.75 0.10 " 10.0 97.5 0-200 9.75 0.10 " 10.0 0.972 94.3 0-200 13.4 0.10 " 10.0 ND 93.6 0-200 <</td> <td>Result Limit Units Level Result %REC Limits RPD Prepared: 11/29/17 Analyzed: 12/01/17 ND 0.10 mg/l RPD RPD</td> <td>Result Limit Units Level Result %REC Limit RPD Limit ND 0.10 mg/l</td>	Result Limit Units Level Result Prepared: 11/29/17 Ar ND 0.10 mg/l ND 0.10 " Prepared: 11/29/17 10.2 0.10 mg/l 9.82 0.10 " 9.77 0.10 " 9.75 0.10 " 10.0 9.75 0.10 9.75 0.10 " 15.8 0.10 mg/l 15.8 0.10 " 9.36 0.10 " 9.36 0.10 " 16.0 0.10 mg/l 10.0 9.57 0.10 " 10.0 9.57 0.10	Result Limit Units Level Result %REC Prepared: 11/29/17 Analyzed: 12 ND 0.10 mg/l ND 0.10 " ND 0.10 " Prepared: 11/29/17 Analyzed: 12 10.2 10.0 " ND 0.10 " Prepared: 11/29/17 Analyzed: 12 102 9.82 0.10 " 10.0 98.2 9.77 0.10 " 10.0 97.7 9.75 0.10 " 10.0 97.5 Source: T172943-25 Prepared: 11/29/17 Analyzed: 12 15.8 0.10 mg/l 10.0 0.0972 94.3 13.4 0.10 " 10.0 ND 93.6 Source: T172943-25 Prepared: 11/29/17 Analyzed: 12 16.0 0.10 " 10.0 ND 93.6 59.36 0.10 " 10.0 7.19 88.0 9.57 0.10 " 10.0 7.19	Result Limit Units Level Result %REC Limits Prepared: 11/29/17 Analyzed: 12/01/17 ND 0.10 mg/l ND 0.10 " ND 0.10 " Prepared: 11/29/17 Analyzed: 12/01/17 ND 0.10 " ND 0.10 " Prepared: 11/29/17 Analyzed: 12/01/17 ND 275-125 9.82 0.10 mg/l 10.0 98.2 0-200 9.77 0.10 " 10.0 97.7 0-200 9.75 0.10 " 10.0 97.5 0-200 9.75 0.10 " 10.0 97.5 0-200 9.75 0.10 " 10.0 97.5 0-200 9.75 0.10 " 10.0 97.5 0-200 9.75 0.10 " 10.0 0.972 94.3 0-200 13.4 0.10 " 10.0 ND 93.6 0-200 <	Result Limit Units Level Result %REC Limits RPD Prepared: 11/29/17 Analyzed: 12/01/17 ND 0.10 mg/l RPD RPD	Result Limit Units Level Result %REC Limit RPD Limit ND 0.10 mg/l

SunStar Laboratories, Inc.



25712 Commercentre Drive Lake Forest, California 92630 949.297.5020 Phone 949.297.5027 Fax

Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: 2998.X	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	12/01/17 17:05

Conventional Chemistry Parameters by APHA/EPA/ASTM Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7112918 - General Preparation										
Duplicate (7112918-DUP1)	Source: T172941-27 F			Prepared & Analyzed: 11/29/17						
pH	8.04	0.1	pH Units		8.05			0.124	20	O-09

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

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Blackburn Consulting-West Sac.	Project: SR99/120 Interchange	
2491 Boatman Ave.	Project Number: 2998.X	Reported:
West Sacramento CA, -	Project Manager: Ryan Schmidt	12/01/17 17:05

Notes and Definitions

- O-09 The sample was analyzed outside the EPA recommended holding time of 24 hours.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SunStar Laboratories, Inc.

Lisa Nguyen, Project Manager Assistant

																						٨	
Sample disposal Instructions: Dis	Relinquished by: (signature)	1-11-17 CEO 11-10-17	Relinquished by: (signature)	Relinquished by: (signature)			ADE IT TAUS,C	1- 1-1	42 - A	-	43-A	- 14	A DE	11 - 18	09	AD- 07 - 18 C	Sample ID	Manager	Phone: 707 537 57	Client: DladeJurvi Cons		SunStar Laboratories, Inc. PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE 25712 Commercentre Drive, Lake Forest, CA 92630 949-297-5020	
Disposal @ \$2.00 each	Date / Time	10:55	Date / T	Date / T				+								L1/8/11	Date	Schmidt	76	11 11 1 2 1	- china	es, Inc. vices Nationwide rive, Lake F	
each			13: 50 Time	Time			17. 5	12:00	14:17	13:30	12:45	12:00	51:11	10130	Shib	9:00	Time	d+	Fax:			- orest, CA 9	
Return to client	Received by: (signature)	A	Received by: (signature	Received by: (signature)	1 			+		+						<u>8</u> :	Sample					2630	
client	: (signature)	X	by: (signature)	(signature)				-							-	(Labss	Container Type			t H		Chain of Custody Reco	
		140-17															8260					fO	
Pickup		F	1														8260 + OXY					SU	
, dn	Dat	6	Dat	Dat													8260 BTEX, OXY only					to	
	Date / Time	10:55	Date / Time	Date / Time													8270	Bat	Coll	Projec		dy	
	ime		ime	ime													8021 BTEX	Batch #:	Collector:	Project Na	2	Re	
			° S	í													8015M (gasoline)	. 	ă I	Nan	-	co	
	Tur	7				Τ											8015M (diesel)	1		me:	2	ord	
	n aro	ecei	ain o														8015M Ext./Carbon Chain	E.		SF	ī		
	Turn around time:	Received good condition/cold	Chain of Custody seals (/////NA Seals intact?/////NA	H							1			N			6010/7000 Title 22 Metals Lead	TITLANS		SZ991			
	l tim	pood	tody als i	otal #													6020 ICP-MS Metals	43	-	1/1			
		conc	Seals intact?////NA	Total # of containers				1												120			
	4	lition	<u>S</u> C	onta				22	_	_	16	S	0	9	2	9							
	g	/cold	J/NA	iners				200	2 2	3 8	F	14	11	80	S	02				H			
-		5.3						30	2	2 2	00	5	2	09	8	03	Laboratory ID #	EDF #:	Client	verc	Dane		
coc 160742	Hold samples)	DISCRETES	Notes													Comments/Preservative		Client Project #: 2998.X	havinge	or L		
																	Total # of containers						

										10	jie,												٨
Sample disposal Instructions: Di	Relinquished by: (signature)	650 11047	Relinguished by: (signature)	Mr. Sdurth	Relinquished by: (signature)			ADL 22 ABC	22 4	20/ 1 A	ADL 30 - ABC		29 - 1	26 - 2	13 - A	ADL 21 - ABic		Sample ID	Project Manager: Rycm	Phone: 707 537 57	Client: Black burn	PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE 25712 Commercentre Drive, Lake Forest, CA 92630 949-297-5020	SunStar Laboratories.
Disposal @ \$2.00 each	Date / Time	10:55	Date / Time	- 11/9	Date / Time			,										Date Sampled	Sc	31	Consultiv	Drive, Lake Fo	ies. Inc.
ch 	ē		e	350	le				11:25	2110	9:20	12:45	12:00	11:15	10:30	24:45	9:00	Time	hmide	Fax:	Hing	rest, CA	
Return to client	Received b	A	Received by	EX X3	Received by				-							-	Soil	Sample Type				92630	
o client	Received by: (signature)		Received by: (signature)	Same	Received by: (signature)	-					-					-	(1a25	Container Type					Chain
Pickup		11-10-17		11/2														8260 8260 + OXY			1 1		of Cus
up	Date / Time	10:55	Date / Time	17	Date / Time													8260 BTEX, OXY only 8270 8021 BTEX	Batch #:	Collector:	Date:_ Projec		Chain of Custody Record
				1350 Cha						-								8015M (gasoline) 8015M (diesel)	#	tor:	Date: 11(9) Project Name:_	-	ecord
	Turn around time:	Received good condition/cold	Sea	Chain of Custody seals Y	Tot			$\overline{\ }$			1				1			8015M Ext./Carbon Chain 6010/7000 Title 22 Metals (1172943	0-11-	SE99		
	ime:	od conditic	Seals intact? YN/NA	ody seals Y	Total # of containers	_	-	_	52	20	24	46	43	017	37	46	3(6020 ICP-MS Metals		à	120		
	Ð			ANINA	tainers		\top		_	2 23	-	+	44	41	80	57	202				t l		
-		6.3							66	707	51	48	15	42	96	36	50	Laboratory ID #	EDF #:	Client	Page:		
coc 160743	Hold samples	-	TT SAMPLES	DISCRETE C	Notes													Comments/Preservative		Client Project #: 2998.X	P Q Q		
																		Total # of containers			PA.		



SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #:	T1	72943			*	
Client Name:		onsulting - West amento	Project:	1	SR99/120	Interchange
Delivered by:	Client] SunStar Courier	⊠ GSO [FedEx	Other	
If Courier, Received by:			Date/Time Con Received:			
Lab Received by:	S	unny	Date/Time Lab Received:		11-10-17	10:55
Total number of coolers re	eceived: 1	a.			c.	-
Temperature: Cooler #1	5.5 °C +	/- the CF (- 0.2°C)	= 5.3	°C correct	ed temperature	ч л
Temperature: Cooler #2	°C +	/- the CF (- 0.2°C)	=	°C correct	ed temperature	
Temperature: Cooler #3	°C +	/- the CF (- 0.2°C)	=	°C correct	ed temperature	
Temperature criteria = < (no frozen containers)	≤6°C	Within cr	iteria?	Yes	No	
If NO:		2				
Samples received	on ice?	Yes		\square No \rightarrow	e Non-Confo	rmance Sheet
Samples received If on ice, samples collected?		dav	Acceptable	Complete □No →		ormance Sheet ormance Sheet
If on ice, samples	received same	dav	Acceptable	Complete □No →	e Non-Confo	
If on ice, samples collected?	received same	dav	Acceptable	Complete □No → Complete	e Non-Confo	ormance Sheet
If on ice, samples collected? Custody seals intact on co	received same o oler/sample	day □Yes →	Acceptable	Complete □No → Complete XYes	e Non-Confo	ormance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact	received same o oler/sample n of Custody IE	day □Yes →	Acceptable	Complete □No → Complete XYes XYes	e Non-Confo No*	ormance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai	received same o oler/sample n of Custody IE rs received mate	$\frac{day}{\Box Yes} \rightarrow$	Acceptable	Complete □No → Complete XYes XYes XYes XYes	e Non-Confo No* No* No* No*	ormance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai Total number of container	received same of oler/sample n of Custody IE rs received mate d for analyses re	$\frac{day}{\Box Yes} \rightarrow$ Os Ch COC equested on COC		Complete □No → Complete ☑Yes ☑Yes ☑Yes ☑Yes ☑Yes	e Non-Confo No* No* No* No* No* No*	ormance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai Total number of container Proper containers received	received same of oler/sample n of Custody IE rs received mate d for analyses re- uted on COC/co- yed in good con-	day ☐Yes → Os ch COC equested on COC ntainers for analyses dition with correct to	s requested emperatures,	Complete □No → Complete ¥es ¥es ¥es ¥es ¥es ¥es	e Non-Confo No* No* No* No* No* No*	ormance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai Total number of container Proper containers received Proper preservative indica Complete shipment receive containers, labels, volume	received same of oler/sample n of Custody II rs received mate d for analyses re- ated on COC/co- yed in good con- es preservatives	day \Box Yes \rightarrow Os th COC equested on COC ntainers for analyses dition with correct to and within method s	s requested emperatures,	Complete No → Complete Yes Yes Yes Yes Yes Yes Yes Ye	e Non-Confo No* No* No* No* No* No* No* No* No* No*	ormance Sheet
If on ice, samples collected? Custody seals intact on co Sample containers intact Sample labels match Chai Total number of container Proper containers received Proper preservative indica Complete shipment receive containers, labels, volume holding times	received same of oler/sample n of Custody II rs received mate d for analyses re- ated on COC/co- yed in good con- es preservatives	day \Box Yes \rightarrow Os th COC equested on COC ntainers for analyses dition with correct to and within method s	s requested emperatures, specified	Complete No → Complete Yes Yes Yes Yes Yes Yes Yes Ye	e Non-Confo No* No* No* No* No* No* No* No* No* No*	ormance Sheet]N/A]M/A



SAMPLE NON-CONFORMANCE SHEET

Batch/Work Order # T172943	
 COOLERS Not Received (received COC only) Leaking/Damaged Other: CUSTODY SEALS 	 LABELS Not the same sample ID / info as on the COC Incomplete Information Markings/Info illegible SAMPLES
□ None	□ Samples NOT RECEIVED but listed on COC
□ Not Intact	□ Samples received but NOT LISTED on COC
• TEMPERATURE (Temp criteria = $\leq 6^{\circ}$ C)	□ Logged based on Label Information and not COC
□ Cooler/Sample Temp(s)	Logged according to Work Plan and not COC
□ Temperature Blank(s)	Logged in, ON HOLD until further notice
 CHAIN OF CUSTODY (COC) 	Insufficient quantities for analysis
□ Not relinquished by client; No date/time relinquished	□ Improper container used
□ Incomplete information provided	☐ Mislabeled as to tests, preservatives, etc.
\Box COC not received – notify PM	□ Holding time expired – list sample ID and test
CONTAINERS	□ Not preserved/Improper preservative used
□ Leaking □ Broken	□ Without Labels, no information on containers
□ Extra □ Missing	Other
Comments:	

Sample fractioning only if broken container compromises other samples or if out of temp reading impacts more than one cooler

Fraction							1		4			Preser.
VOA		1.2			-		a . 4					
×					1.1	6			1.42			
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	-		2				2					
2												

Page 2 of 2

Lisa

From:	Ryan Schmidt [ryans@blackburnconsulting.com]
Sent:	Monday, November 27, 2017 2:43 PM
To:	Lisa
Subject:	RE: Report for SR99/120 Interchange (T172943)

We will need STLC-WET testing for the following samples from this report: ADL 14-A ADL 19-A ADL 29-A

Thanks!

From: Lisa [mailto:lisa@sunstarlabs.com]
Sent: Friday, November 17, 2017 2:18 PM
To: Ryan Schmidt <<u>ryans@blackburnconsulting.com</u>>
Subject: Report for SR99/120 Interchange (T172943)

Hello Ryan,

Attached is the final report for the following:

Project: SR99/120 Interchange Project Number: 2998.x

Please let me know if you have any concerns or need any further analyses. Thank you for choosing SunStar Labs.

Lisa Nguyen Project Manager Assistant



25712 Commercentre Dr., Lake Forest, CA 92630 Office: (949) 297-5020 | Fax: (949) 297-5027 CA ELAP Certification: 2250 | CA Small Business Certification: 31511

Shipping Alert:

Please note that SunStar Laboratories will be observing the Thanksgiving holiday on Thursday and Friday, November 23th and 24th. In addition, GSO will not have scheduled service on Thursday, November 23th. If you have any short hold samples arriving on Wednesday or during these days, please contact your Project Manager in advance to ensure all holding times are met for your samples. We appreciate your business and hope that you have a fantastic and safe holiday!

Lisa

From:	Ryan Schmidt [ryans@blackburnconsulting.com]
Sent:	Wednesday, November 29, 2017 2:27 PM
To:	Lisa
Subject:	RE: Report for SR99/120 Interchange (T172943) and (T172941)

Please proceed, Thanks!

Ryan Schmidt | Project Engineer | Cell: (707)537-5776 **Blackburn Consulting** | 2491 Boatman Avenue, West Sacramento, CA 95691 | *Geotechnical* | *Geo- Environmental* | *Construction Services* | *Forensics "Our Signature is Excellence"*

From: Lisa [mailto:lisa@sunstarlabs.com]
Sent: Wednesday, November 29, 2017 2:26 PM
To: Ryan Schmidt <ryans@blackburnconsulting.com>
Subject: RE: Report for SR99/120 Interchange (T172943) and (T172941)

I can expedite the samples to be delivered by end of business tomorrow. Would you like to proceed?

Lisa Nguyen Project Manager Assistant



25712 Commercentre Dr., Lake Forest, CA 92630 Office: (949) 297-5020 | Fax: (949) 297-5027 CA ELAP Certification: 2250 | CA Small Business Certification: 31511

From: Ryan Schmidt [mailto:ryans@blackburnconsulting.com]
Sent: Wednesday, November 29, 2017 12:59 PM
To: Lisa
Subject: RE: Report for SR99/120 Interchange (T172943) and (T172941)

Hey Lisa sorry to keep bothering you. But can we expedite all testing at this point, I just got approval for it. And also, for the stlc wet are we first using the citric method?

Get Outlook for Android

From: Lisa lisa@sunstarlabs.com>
Sent: Wednesday, November 29, 2017 11:57:26 AM
To: Ryan Schmidt
Subject: RE: Report for SR99/120 Interchange (T172943) and (T172941)

Attached are the additional work orders with pH analysis you've requested. I don't believe amount of sample will be a problem, but I will let you know if anything comes out.

Thank you,

Lisa Nguyen Project Manager Assistant



25712 Commercentre Dr., Lake Forest, CA 92630 Office: (949) 297-5020 | Fax: (949) 297-5027 CA ELAP Certification: 2250 | CA Small Business Certification: 31511

From: Ryan Schmidt [mailto:ryans@blackburnconsulting.com]
Sent: Wednesday, November 29, 2017 11:36 AM
To: Lisa
Subject: RE: Report for SR99/120 Interchange (T172943) and (T172941)

Let's still proceed. Thanks. Let me know if the samples listed are not available!

Ryan Schmidt | Project Engineer | Cell: (707)537-5776 **Blackburn Consulting** | 2491 Boatman Avenue, West Sacramento, CA 95691 | *Geotechnical* | *Geo*- *Environmental* | *Construction Services* | *Forensics "Our Signature is Excellence"*

From: Lisa [mailto:lisa@sunstarlabs.com]
Sent: Wednesday, November 29, 2017 11:35 AM
To: Ryan Schmidt <<u>ryans@blackburnconsulting.com</u>>
Subject: RE: Report for SR99/120 Interchange (T172943) and (T172941)

Hello Ryan,

Sure. The standard TAT is 5 days. It's a simple test and the chemists are fairly quick with that test, so I don't believe it should be a problem with them having results ready by the time all the other analyses requested are due. However, the soils are out of hold time criteria for pH analysis. Would you still want to proceed? I will also have to confirm if we have enough samples as well and will get back to you shortly on this.

Thank you,

Lisa Nguyen Project Manager Assistant



25712 Commercentre Dr., Lake Forest, CA 92630 Office: (949) 297-5020 | Fax: (949) 297-5027 CA ELAP Certification: 2250 | CA Small Business Certification: 31511 From: Ryan Schmidt [mailto:ryans@blackburnconsulting.com]
Sent: Wednesday, November 29, 2017 11:27 AM
To: Lisa
Subject: RE: Report for SR99/120 Interchange (T172943) and (T172941)

Lisa can we test 4 random samples (ADL 19B, ADL 37A, ADL 9C, and ADL 21A) from both work orders for this project for pH and have those results included in the final report as well? Not sure if you can combine both reports once all analysis has been completed. Also what is the TAT for pH?

Thanks

Ryan Schmidt | Project Engineer | Cell: (707)537-5776 **Blackburn Consulting** | 2491 Boatman Avenue, West Sacramento, CA 95691 | *Geotechnical* | *Geo- Environmental* | *Construction Services* | *Forensics "Our Signature is Excellence"*

From: Lisa [mailto:lisa@sunstarlabs.com]
Sent: Monday, November 27, 2017 3:46 PM
To: Ryan Schmidt <rrans@blackburnconsulting.com>
Subject: RE: Report for SR99/120 Interchange (T172943)

Attached is the additional work order with STLC Pb on a standard TAT that you've requested. Results are scheduled to be delivered by end of business on 12/04/17. Please carefully review the attachments and let me know if you have any questions or concerns.

Thank you,

Lisa Nguyen Project Manager Assistant



25712 Commercentre Dr., Lake Forest, CA 92630 Office: (949) 297-5020 | Fax: (949) 297-5027 CA ELAP Certification: 2250 | CA Small Business Certification: 31511

From: Ryan Schmidt [mailto:ryans@blackburnconsulting.com]
Sent: Monday, November 27, 2017 2:43 PM
To: Lisa
Subject: RE: Report for SR99/120 Interchange (T172943)

We will need STLC-WET testing for the following samples from this report: ADL 14-A ADL 19-A ADL 29-A

Thanks!

From: Lisa [mailto:lisa@sunstarlabs.com] Sent: Friday, November 17, 2017 2:18 PM To: Ryan Schmidt <<u>ryans@blackburnconsulting.com</u>> Subject: Report for SR99/120 Interchange (T172943)

Hello Ryan,

Attached is the final report for the following:

Project: SR99/120 Interchange Project Number: 2998.x

Please let me know if you have any concerns or need any further analyses. Thank you for choosing SunStar Labs.

Lisa Nguyen Project Manager Assistant



25712 Commercentre Dr., Lake Forest, CA 92630 Office: (949) 297-5020 | Fax: (949) 297-5027 CA ELAP Certification: 2250 | CA Small Business Certification: 31511

Shipping Alert:

Please note that SunStar Laboratories will be observing the Thanksgiving holiday on Thursday and Friday, November 23th and 24th. In addition, GSO will not have scheduled service on Thursday, November 23th. If you have any short hold samples arriving on Wednesday or during these days, please contact your Project Manager in advance to ensure all holding times are met for your samples. We appreciate your business and hope that you have a fantastic and safe holiday!

SunStar Laboratories, Inc. Providing Quality Analytical Services Nationwide		ORK ORDER	-	Printed: 11/10/2017 2:18:09PM
1	F	Г172943		
Client: Blackburn Consulting-West Sac. Project: SR99/120 Interchange		Project Manager: Project Number:	Lisa Nguyen 2998.X	
<u>Report To:</u> Blackburn Consulting-West Sac. Ryan Schmidt 2491 Boatman Ave. West Sacramento, CA -				
Date Due: 11/17/17 17:00 (5 day TAT)				
Received By:Dan MarteskiLogged In By:Dan Marteski		Date Received: Date Logged In:	11/10/17 10:55 11/10/17 12:25	
Samples Received at: 5.3°C Custody SealsYesReceived On IceYesContainers IntactYesCOC/Labels AgreeYesPreservation ConfiriYes				
Analysis Due	TAT	Expires	Comments	
T172943-01 ADL 07-A [Soil] Sampled 11/0 (US &	8/17 09:00 (GM)	T-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15	5:00 5	05/07/18 09:00		
T172943-02 ADL 07-B [Soil] Sampled 11/0 (US &	8/17 09:00 (GM)	T-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15	5:00 5	05/07/18 09:00		
T172943-03 ADL 07-C [Soil] Sampled 11/0 (US &	8/17 09:00 (GM	T-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15	5:00 5	05/07/18 09:00		
T172943-04 ADL 09-A [Soil] Sampled 11/0 (US &	8/17 09:45 (GM)	T-08:00) Pacific Time	e	
6010 Pb 11/17/17 15	5:00 5	05/07/18 09:45		
T172943-05 ADL 09-B [Soil] Sampled 11/0 (US &	8/17 09:45 (GM'	T-08:00) Pacific Time	e	
6010 Pb 11/17/17 15	5:00 5	05/07/18 09:45		
T172943-06 ADL 09-C [Soil] Sampled 11/0 (US &	8/17 09:45 (GM'	T-08:00) Pacific Tim	e	
6010 Pb 11/17/17 15	5:00 5	05/07/18 09:45		
T172943-07 ADL 11-A [Soil] Sampled 11/0 (US &	8/17 10:30 (GM)	Г-08:00) Pacific Time	e	
6010 Pb 11/17/17 15	5:00 5	05/07/18 10:30		

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Laborator	ies, Inc.	WO	RK ORDER		
PROVIDING QUALITY ANALYTICAL SE	ERVICES NATIONWIDE		¹ 172943	7	
				<u> </u>	
Client: Blackburn Consultin Project: SR99/120 Interchang	•		Project Manager: Project Number:	Lisa Nguyen 2998.X	
Analysis	Due	TAT	Expires	Comments	
T172943-08 ADL 11-B [Soil] (US &] Sampled 11/08/17 10	0:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 10:30		
T172943-09 ADL 11-C [Soil] (US &] Sampled 11/08/17 10	0:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 10:30		
T172943-10 ADL 39-A [Soil (US &] Sampled 11/08/17 1	1:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 11:15		
T172943-11 ADL 39-B [Soil] (US &] Sampled 11/08/17 11	l:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 11:15		
T172943-12 ADL 39-C [Soil (US &] Sampled 11/08/17 1	1:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 11:15		
T172943-13 ADL 41-A [Soil] (US &] Sampled 11/08/17 12	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:00		
T172943-14 ADL 41-B [Soil] (US &] Sampled 11/08/17 12	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:00		
T172943-15 ADL 41-C [Soil (US &] Sampled 11/08/17 12	2:00 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:00		
T172943-16 ADL 43-A [Soil] (US &] Sampled 11/08/17 12	2:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:45		
T172943-17 ADL 43-B [Soil (US &] Sampled 11/08/17 12	2:45 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:45		
T172943-18 ADL 43-C [Soil (US &] Sampled 11/08/17 1	2:45 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:45		

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Laboratori	les, Inc.	WOF	RK ORDER		
PROVIDING QUALITY ANALYTICAL SEI	RVICES NATIONWIDE		172943		
Client: Blackburn Consultin Project: SR99/120 Interchang	-		Project Manager: Project Number:	Lisa Nguyen 2998.X	
110ject. SK99/120 Interchang	e		T Toject Number.	2990 . A	
Analysis	Due	TAT	Expires	Comments	
T172943-19 ADL 40-A [Soil] (US &	Sampled 11/08/17 13	3:30 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 13:30		
T172943-20 ADL 40-B [Soil] (US &	Sampled 11/08/17 1.	3:30 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 13:30		
T172943-21 ADL 40-C [Soil] (US &	Sampled 11/08/17 13	3:30 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 13:30		
T172943-22 ADL 42-A [Soil] (US &	Sampled 11/08/17 14	4:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 14:15		
T172943-23 ADL 42-B [Soil] (US &	Sampled 11/08/17 14	4:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 14:15		
T172943-24 ADL 42-C [Soil] (US &	Sampled 11/08/17 14	4:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 14:15		
T172943-25 ADL 14-A [Soil] (US &	Sampled 11/08/17 1	5:00 (GMT	-08:00) Pacific Time		
6010 Pb	11/17/17 15:00	5	05/07/18 15:00		
T172943-26 ADL 14-B [Soil] (US &	Sampled 11/08/17 1	5:00 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 15:00		
T172943-27 ADL 14-C [Soil] (US &	Sampled 11/08/17 1	5:00 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 15:00		
T172943-28 ADL 17-A [Soil] (US &	Sampled 11/08/17 1	5:45 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/07/18 15:45		
T172943-29 ADL 17-B [Soil] (US &	Sampled 11/08/17 1	5:45 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/07/18 15:45		

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	ies, Inc.	WOI	RK ORDER		
PROVIDING QUALITY ANALYTICAL SE	rvices Nationwide		172943	Г	
Client: Blackburn Consultin Project: SR99/120 Interchang	-		Project Manager: Project Number:	Lisa Nguyen 2998.X	
110ject. SK99/120 Interchang	je		Troject Number.	2990.A	
Analysis	Due	TAT	Expires	Comments	
T172943-30 ADL 17-C [Soil] (US &] Sampled 11/08/17 1	5:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 15:45		
T172943-31 ADL 19-A [Soil] (US &	Sampled 11/09/17 09	9:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:00		
T172943-32 ADL 19-B [Soil] (US &	Sampled 11/09/17 09	9:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:00		
T172943-33 ADL 19-C [Soil] (US &] Sampled 11/09/17 0	9:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:00		
T172943-34 ADL 21-A [Soil] (US &	Sampled 11/09/17 09	9:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:45		
T172943-35 ADL 21-B [Soil] (US &	Sampled 11/09/17 09	9:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:45		
T172943-36 ADL 21-C [Soil] (US &] Sampled 11/09/17 0	9:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:45		
T172943-37 ADL 23-A [Soil] (US &	Sampled 11/09/17 1	0:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:30		
T172943-38 ADL 23-B [Soil] (US &	Sampled 11/09/17 1	0:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:30		
T172943-39 ADL 23-C [Soil] (US &	Sampled 11/09/17 1	0:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:30		
T172943-40 ADL 28-A [Soil] (US &	Sampled 11/09/17 1	1:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 11:15		

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Laborato	ories, Inc.	WO	RK ORDER							
PROVIDING QUALITY ANALYTICA	AL SERVICES NATIONWIDE		172943							
Client: Blackburn Consul Project: SR99/120 Intercha			Project Manager: Project Number:	Lisa Nguyen 2998.X						
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Analysis	Due	TAT	Expires	Comments						
T172943-41 ADL 28-B [S (US &	oil] Sampled 11/09/17 1	1:15 (GMT	-08:00) Pacific Time	e						
6010 Pb	11/17/17 15:00	5	05/08/18 11:15							
T172943-42 ADL 28-C [S (US &	Soil] Sampled 11/09/17 1	1:15 (GMT	-08:00) Pacific Time	e						
6010 Pb	11/17/17 15:00	5	05/08/18 11:15							
T172943-43 ADL 29-A [S (US &	oil] Sampled 11/09/17 12	2:00 (GMT	-08:00) Pacific Time	e						
6010 Pb	11/17/17 15:00	5	05/08/18 12:00							
T172943-44 ADL 29-B [S (US &	oil] Sampled 11/09/17 12	2:00 (GMT	-08:00) Pacific Time	e						
6010 Pb	11/17/17 15:00	5	05/08/18 12:00							
T172943-45 ADL 29-C [S (US &	Soil] Sampled 11/09/17 1	2:00 (GMT	-08:00) Pacific Tim	e						
6010 Pb	11/17/17 15:00	5	05/08/18 12:00							
T172943-46 ADL 27-A [S (US &	oil] Sampled 11/09/17 12	2:45 (GMT	-08:00) Pacific Time	e						
6010 Pb	11/17/17 15:00	5	05/08/18 12:45							
T172943-47 ADL 27-B [S (US &	oil] Sampled 11/09/17 12	2:45 (GMT	-08:00) Pacific Time	e						
6010 Pb	11/17/17 15:00	5	05/08/18 12:45							
T172943-48 ADL 27-C [S (US &	Soil] Sampled 11/09/17 12	2:45 (GMT	C-08:00) Pacific Tim	e						
6010 Pb	11/17/17 15:00	5	05/08/18 12:45							
T172943-49 ADL 30-A [S (US &	oil] Sampled 11/09/17 09	9:20 (GMT	-08:00) Pacific Time	e						
6010 Pb	11/17/17 15:00	5	05/08/18 09:20							
T172943-50 ADL 30-B [Soil] Sampled 11/09/17 09:20 (GMT-08:00) Pacific Time (US &										
6010 Pb	11/17/17 15:00	5	05/08/18 09:20							
T172943-51 ADL 30-C [Soil] Sampled 11/09/17 09:20 (GMT-08:00) Pacific Time (US &										
6010 Pb	11/17/17 15:00	5	05/08/18 09:20							

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PROVIDING QUALITY ANALYTICAL SI		WO	RK ORDER		
		T172943			
Client: Blackburn Consultir Project: SR99/120 Interchang	•		Project Manager: Project Number:	Lisa Nguyen 2998.X	
Analysis	Due	TAT	Expires	Comments	
T172943-52 ADL 31-A [Soil (US &] Sampled 11/09/17 1	0:15 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/08/18 10:15		
T172943-53 ADL 31-B [Soil (US &] Sampled 11/09/17 1	0:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:15		
T172943-54 ADL 31-C [Soil (US &] Sampled 11/09/17 1	10:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:15		
T172943-55 ADL 32-A [Soil (US &] Sampled 11/09/17 1	0:50 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:50		
T172943-56 ADL 32-B [Soil (US &] Sampled 11/09/17 1	l0:50 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:50		
T172943-57 ADL 32-C [Soil (US &] Sampled 11/09/17 1	10:50 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:50		
T172943-58 ADL 33-A [Soil (US &] Sampled 11/09/17 1	1:35 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/08/18 11:35		
T172943-59 ADL 33-B [Soil (US &] Sampled 11/09/17 1	1:35 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/08/18 11:35		
T172943-60 ADL 33-C [Soil (US &] Sampled 11/09/17 1	11:35 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 11:35		

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Providing Quality Analytical Services Nationwide		RK ORDER	-	
, ,		Г172943		
Client: Blackburn Consulting-West Sac. Project: SR99/120 Interchange		Project Manager: Project Number:	Lisa Nguyen 2998.X	
<u>Report To:</u> Blackburn Consulting-West Sac. Ryan Schmidt 2491 Boatman Ave. West Sacramento, CA -				
Date Due: 11/17/17 17:00 (5 day TAT))			
Received By: Dan Marteski		Date Received:	11/10/17 10:55	
Logged In By: Dan Marteski		Date Logged In:	11/10/17 12:25	
Samples Received at: 5.3°C Custody SealsYesReceived On IceYesContainers IntactYesCOC/Labels AgreeYesPreservation ConfiriYes				
Analysis Due	TAT	Expires	Comments	
T172943-01 ADL 07-A [Soil] Sampled 11/ (US &	08/17 09:00 (GM)	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17	15:00 5	05/07/18 09:00		
T172943-02 ADL 07-B [Soil] Sampled 11/ (US &	08/17 09:00 (GM)	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17	15:00 5	05/07/18 09:00		
T172943-03 ADL 07-C [Soil] Sampled 11/ (US &	'08/17 09:00 (GM'	T-08:00) Pacific Tim	e	
6010 Pb 11/17/17	15:00 5	05/07/18 09:00		
T172943-04 ADL 09-A [Soil] Sampled 11/ (US &	08/17 09:45 (GM)	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17	15:00 5	05/07/18 09:45		
T172943-05 ADL 09-B [Soil] Sampled 11/ (US &	08/17 09:45 (GM)	Г-08:00) Pacific Tim	e	
6010 Pb 11/17/17	15:00 5	05/07/18 09:45		
T172943-06 ADL 09-C [Soil] Sampled 11/ (US &	/08/17 09:45 (GM'	T-08:00) Pacific Tim	e	
6010 Pb 11/17/17	15:00 5	05/07/18 09:45		
T172943-07 ADL 11-A [Soil] Sampled 11/ (US &	08/17 10:30 (GMT	Г-08:00) Pacific Time	e	
6010 Pb 11/17/17	15:00 5	05/07/18 10:30		

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	ies, Inc.	WOI	RK ORDER							
PROVIDING QUALITY ANALYTICAL SEI	rvices Nationwide		172943	Т						
	L									
Client: Blackburn Consultin			Project Manager:	Lisa Nguyen						
Project: SR99/120 Interchang	ge		Project Number:	2998.X						
Analysis	Due	TAT	Expires	Comments						
T172943-08 ADL 11-B [Soil] (US &	T172943-08 ADL 11-B [Soil] Sampled 11/08/17 10:30 (GMT-08:00) Pacific Time (US &									
6010 Pb	11/17/17 15:00	5	05/07/18 10:30							
T172943-09 ADL 11-C [Soil] (US &	Sampled 11/08/17 1	0:30 (GMT	-08:00) Pacific Time	e						
6010 Pb	11/17/17 15:00	5	05/07/18 10:30							
T172943-10 ADL 39-A [Soil] (US &	Sampled 11/08/17 1	1:15 (GMT	-08:00) Pacific Time	2						
6010 Pb	11/17/17 15:00	5	05/07/18 11:15							
T172943-11 ADL 39-B [Soil] (US &	Sampled 11/08/17 1	1:15 (GMT	-08:00) Pacific Time	2						
6010 Pb	11/17/17 15:00	5	05/07/18 11:15							
T172943-12 ADL 39-C [Soil] (US &	Sampled 11/08/17 1	1:15 (GMT	-08:00) Pacific Time	e						
6010 Pb	11/17/17 15:00	5	05/07/18 11:15							
T172943-13 ADL 41-A [Soil] (US &	Sampled 11/08/17 1	2:00 (GMT	-08:00) Pacific Time	e						
6010 Pb	11/17/17 15:00	5	05/07/18 12:00							
T172943-14 ADL 41-B [Soil] (US &	Sampled 11/08/17 1	2:00 (GMT	-08:00) Pacific Time	e						
6010 Pb	11/17/17 15:00	5	05/07/18 12:00							
T172943-15 ADL 41-C [Soil] (US &] Sampled 11/08/17 1	2:00 (GMT	-08:00) Pacific Time	e						
6010 Pb	11/17/17 15:00	5	05/07/18 12:00							
T172943-16 ADL 43-A [Soil] (US &	Sampled 11/08/17 1	2:45 (GMT	-08:00) Pacific Time	e						
6010 Pb	11/17/17 15:00	5	05/07/18 12:45							
T172943-17 ADL 43-B [Soil] (US &	Sampled 11/08/17 1	2:45 (GMT	-08:00) Pacific Time	e						
6010 Pb	11/17/17 15:00	5	05/07/18 12:45							
T172943-18 ADL 43-C [Soil] (US &	T172943-18 ADL 43-C [Soil] Sampled 11/08/17 12:45 (GMT-08:00) Pacific Time (US &									
6010 Pb	11/17/17 15:00	5	05/07/18 12:45							

SunStar					Printed: 11/27/2017 3:41:33PM
Laborator	ries, Inc.	WO	RK ORDER		
PROVIDING QUALITY ANALYTICAL S	Services Nationwide		172943	٦	
			172745		
Client: Blackburn Consulti			Project Manager:	Lisa Nguyen	
Project: SR99/120 Interchan	ge		Project Number:	2998.X	
Analysis	Due	TAT	Expires	Comments	
T172943-19 ADL 40-A [Soi (US &	1] Sampled 11/08/17	13:30 (GMT	7-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 13:30		
T172943-20 ADL 40-B [Soi (US &	1] Sampled 11/08/17	13:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 13:30		
T172943-21 ADL 40-C [Soi (US &	l] Sampled 11/08/17	13:30 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 13:30		
T172943-22 ADL 42-A [Soi (US &	l] Sampled 11/08/17	14:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 14:15		
T172943-23 ADL 42-B [Soi (US &	1] Sampled 11/08/17	14:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 14:15		
T172943-24 ADL 42-C [Soi (US &	l] Sampled 11/08/17	14:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 14:15		
T172943-25 ADL 14-A [Soi (US &	1] Sampled 11/08/17	15:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 15:00		
STLC Pb	12/04/17 15:00	5	05/07/18 15:00		
STLC Leaching Procedure Metal	s 12/04/17 15:00	5	11/22/17 15:00		
T172943-26 ADL 14-B [Soi (US &	1] Sampled 11/08/17	15:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 15:00		
T172943-27 ADL 14-C [Soi (US &	l] Sampled 11/08/17	15:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 15:00		
T172943-28 ADL 17-A [Soi (US &	1] Sampled 11/08/17	15:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 15:45		

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	es, Inc.	WO	RK ORDER		
PROVIDING QUALITY ANALYTICAL SER	VICES NATIONWIDE		172943		
		1	172943		
Client: Blackburn Consulting Project: SR99/120 Interchang			Project Manager: Project Number:	Lisa Nguyen 2998.X	
Analysis	Due	TAT	Expires	Comments	
T172943-29 ADL 17-B [Soil] (US &	Sampled 11/08/17	15:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 15:45		
T172943-30 ADL 17-C [Soil] (US &	Sampled 11/08/17	15:45 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 15:45		
T172943-31 ADL 19-A [Soil] (US &	Sampled 11/09/17 ()9:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:00		
STLC Pb	12/04/17 15:00	5	05/08/18 09:00		
STLC Leaching Procedure Metals	12/04/17 15:00	5	11/23/17 09:00		
T172943-32 ADL 19-B [Soil] (US &	Sampled 11/09/17 ()9:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:00		
T172943-33 ADL 19-C [Soil] (US &	Sampled 11/09/17 ()9:00 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:00		
T172943-34 ADL 21-A [Soil] (US &	Sampled 11/09/17 ()9:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:45		
T172943-35 ADL 21-B [Soil] (US &	Sampled 11/09/17 ()9:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:45		
T172943-36 ADL 21-C [Soil] (US &	Sampled 11/09/17 ()9:45 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:45		
T172943-37 ADL 23-A [Soil] (US &	Sampled 11/09/17 1	10:30 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:30		
T172943-38 ADL 23-B [Soil] (US &	Sampled 11/09/17 1	10:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:30		

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Providing Quality Analytical Set	RVICES NATIONWIDE		RK ORDER	-	
1		1	<u>.</u>		
Client: Blackburn Consultin Project: SR99/120 Interchang	-		Project Manager: Project Number:	Lisa Nguyen 2998.X	
Analysis	Due	TAT	Expires	Comments	
T172943-39 ADL 23-C [Soil] (US &	Sampled 11/09/17	10:30 (GMT	(-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/08/18 10:30		
T172943-40 ADL 28-A [Soil] (US &	Sampled 11/09/17	11:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 11:15		
T172943-41 ADL 28-B [Soil] (US &	Sampled 11/09/17	11:15 (GMT	C-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 11:15		
T172943-42 ADL 28-C [Soil] (US &	Sampled 11/09/17	11:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 11:15		
T172943-43 ADL 29-A [Soil] (US &	Sampled 11/09/17	12:00 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 12:00		
STLC Pb	12/04/17 15:00	5	05/08/18 12:00		
STLC Leaching Procedure Metals	12/04/17 15:00	5	11/23/17 12:00		
T172943-44 ADL 29-B [Soil] (US &	Sampled 11/09/17	12:00 (GMT	C-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/08/18 12:00		
T172943-45 ADL 29-C [Soil] (US &	Sampled 11/09/17	12:00 (GMT	1-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 12:00		
T172943-46 ADL 27-A [Soil] (US &	Sampled 11/09/17	12:45 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 12:45		
T172943-47 ADL 27-B [Soil] (US &	Sampled 11/09/17	12:45 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 12:45		
T172943-48 ADL 27-C [Soil] (US &	Sampled 11/09/17	12:45 (GMT	C-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 12:45		

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Laboratori	es, Inc.	WOF	RK ORDER		
PROVIDING QUALITY ANALYTICAL SER	VICES NATIONWIDE		172943	7	
Client: Blackburn Consulting Project: SR99/120 Interchange			Project Manager: Project Number:	Lisa Nguyen 2998.X	
			-		
Analysis	Due	TAT	Expires	Comments	
T172943-49 ADL 30-A [Soil] (US &	Sampled 11/09/17 09	9:20 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 09:20		
T172943-50 ADL 30-B [Soil] (US &	Sampled 11/09/17 0	9:20 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 09:20		
T172943-51 ADL 30-C [Soil] (US &	Sampled 11/09/17 0	9:20 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:20		
T172943-52 ADL 31-A [Soil] (US &	Sampled 11/09/17 1	0:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 10:15		
T172943-53 ADL 31-B [Soil] (US &	Sampled 11/09/17 1	0:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 10:15		
T172943-54 ADL 31-C [Soil] (US &	Sampled 11/09/17 1	0:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:15		
T172943-55 ADL 32-A [Soil] (US &	Sampled 11/09/17 1	0:50 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 10:50		
T172943-56 ADL 32-B [Soil] (US &	Sampled 11/09/17 1	0:50 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/08/18 10:50		
T172943-57 ADL 32-C [Soil] (US &	Sampled 11/09/17 1	0:50 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:50		
T172943-58 ADL 33-A [Soil] (US &	Sampled 11/09/17 1	1:35 (GMT)	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 11:35		
T172943-59 ADL 33-B [Soil] (US &	Sampled 11/09/17 1	1:35 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 11:35		

SunStar Laboratories, Inc. Providing Quality Analytical Services Nationwide			RK ORDER 172943		Printed: 11/27/2017	3:41:33PM
Client: Blackburn Consulting-West Sac. Project: SR99/120 Interchange			Project Manager: Project Number:	Lisa Nguyen 2998.X		
Analysis	Due	ТАТ	Expires	Comments		
T172943-60 ADL 33-C [Soil] (US &	Sampled 11/09/17	11:35 (GMT)	-08:00) Pacific Time	e		
6010 Pb	11/17/17 15:00	5	05/08/18 11:35			

SunStar					Printed: 11/29/2017 11:55:07AM
Providing Quality Analytical Service		WOI	RK ORDER		
		Т	172943		
Client: Blackburn Consulting-V Project: SR99/120 Interchange	Vest Sac.		Project Manager: Project Number:	Lisa Nguyen 2998.X	
Report To: Blackburn Consulting-West Sac. Ryan Schmidt 2491 Boatman Ave. West Sacramento, CA -					
Date Due: 11/17/17 17:00 ((5 day TAT)				
Received By: Dan Marteski			Date Received:	11/10/17 10:55	
Logged In By: Dan Marteski			Date Logged In:	11/10/17 12:25	
Samples Received at: 5.3°C Custody SealsYesReceived On IceContainers IntactYesCOC/Labels AgreeYesPreservation ConfiriYes	Yes				
Analysis	Due	TAT	Expires	Comments	
T172943-01 ADL 07-A [Soil] Sa (US &	ampled 11/08/17 0	9:00 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 09:00		
T172943-02 ADL 07-B [Soil] Sa (US &	ampled 11/08/17 0	9:00 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/07/18 09:00		
T172943-03 ADL 07-C [Soil] Sa (US &	ampled 11/08/17 0	9:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 09:00		
T172943-04 ADL 09-A [Soil] Sa (US &	ampled 11/08/17 0	9:45 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 09:45		
T172943-05 ADL 09-B [Soil] Sa (US &	ampled 11/08/17 0	9:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 09:45		
T172943-06 ADL 09-C [Soil] Sa (US &	ampled 11/08/17 0	99:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 09:45		
pH soil 9045	12/06/17 15:00	5	11/09/17 09:45	11/29/17 11:36, pr outside the holdin	roceed with the analysis with samples g time criteria.

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Labor	atories, Inc.	WOI	RK ORDER		
Providing Quality Anal	LYTICAL SERVICES NATIONWIDE		172943	Г	
		•	112/10		
Client: Blackburn Co			Project Manager:	Lisa Nguyen	
Project: SR99/120 Inte	rchange		Project Number:	2998.X	
Analysis	Due	TAT	Expires	Comments	
T172943-07 ADL 11-A (US &	[Soil] Sampled 11/08/17 10):30 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 10:30		
T172943-08 ADL 11-B (US &	8 [Soil] Sampled 11/08/17 10):30 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 10:30		
T172943-09 ADL 11-C (US &	C [Soil] Sampled 11/08/17 10):30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 10:30		
T172943-10 ADL 39-A (US &	[Soil] Sampled 11/08/17 11	:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 11:15		
T172943-11 ADL 39-B (US &	8 [Soil] Sampled 11/08/17 11	:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 11:15		
T172943-12 ADL 39-0 (US &	C [Soil] Sampled 11/08/17 11	l:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 11:15		
T172943-13 ADL 41-A (US &	[Soil] Sampled 11/08/17 12	2:00 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/07/18 12:00		
T172943-14 ADL 41-B (US &	8 [Soil] Sampled 11/08/17 12	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:00		
T172943-15 ADL 41-0 (US &	C [Soil] Sampled 11/08/17 12	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:00		
T172943-16 ADL 43-A (US &	[Soil] Sampled 11/08/17 12	2:45 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 12:45		
T172943-17 ADL 43-B (US &	8 [Soil] Sampled 11/08/17 12	2:45 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/07/18 12:45		

SunStar Laborator Providing Quality Analytical S		WO	RK ORDER	_	Printed: 11/29/2017 11:55:07AM
		Т	172943		
Client: Blackburn Consultin Project: SR99/120 Interchan	•		Project Manager: Project Number:	Lisa Nguyen 2998.X	
Analysis	Due	TAT	Expires	Comments	
T172943-18 ADL 43-C [Soil (US &] Sampled 11/08/17	12:45 (GMT	Г-08:00) Pacific Tim	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:45		
T172943-19 ADL 40-A [Soil (US &] Sampled 11/08/17 1	13:30 (GMT	Γ-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 13:30		
T172943-20 ADL 40-B [Soil (US &] Sampled 11/08/17	13:30 (GMT	Γ-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 13:30		
T172943-21 ADL 40-C [Soil (US &] Sampled 11/08/17	13:30 (GMT	Г-08:00) Pacific Tim	e	
6010 Pb	11/17/17 15:00	5	05/07/18 13:30		
T172943-22 ADL 42-A [Soil (US &] Sampled 11/08/17 1	14:15 (GMT	(-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 14:15		
T172943-23 ADL 42-B [Soil (US &] Sampled 11/08/17	l4:15 (GMT	(-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 14:15		
T172943-24 ADL 42-C [Soil (US &] Sampled 11/08/17	14:15 (GMT	Г-08:00) Pacific Tim	e	
6010 Pb	11/17/17 15:00	5	05/07/18 14:15		
T172943-25 ADL 14-A [Soil (US &] Sampled 11/08/17 1	15:00 (GMT	(-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 15:00		
STLC Pb	12/04/17 15:00	5	05/07/18 15:00		
STLC Leaching Procedure Metals	12/04/17 15:00	5	11/22/17 15:00		
T172943-26 ADL 14-B [Soil (US &] Sampled 11/08/17	15:00 (GMT	(-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 15:00		
T172943-27 ADL 14-C [Soil (US &] Sampled 11/08/17	15:00 (GMT	Г-08:00) Pacific Tim	e	
6010 Pb	11/17/17 15:00	5	05/07/18 15:00		
pH soil 9045	12/06/17 15:00	5	11/09/17 15:00	11/29/17 11:36, p outside the holdir	proceed with the analysis with samples ng time criteria.

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Laboratori	es, Inc.	WO	RK ORDER	
PROVIDING QUALITY ANALYTICAL SER	VICES NATIONWIDE			7
		1	172943	
Client: Blackburn Consulting	g-West Sac.		Project Manager:	Lisa Nguyen
Project: SR99/120 Interchange	2		Project Number:	2998.X
Analysis	Due	TAT	Expires	Comments
T172943-28 ADL 17-A [Soil] (US &	Sampled 11/08/17 1	5:45 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/07/18 15:45	
T172943-29 ADL 17-B [Soil] (US &	Sampled 11/08/17 1	5:45 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/07/18 15:45	
T172943-30 ADL 17-C [Soil] (US &	Sampled 11/08/17 1	5:45 (GMT	C-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/07/18 15:45	
T172943-31 ADL 19-A [Soil] (US &	Sampled 11/09/17 0	9:00 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/08/18 09:00	
STLC Pb	12/04/17 15:00	5	05/08/18 09:00	
STLC Leaching Procedure Metals	12/04/17 15:00	5	11/23/17 09:00	
T172943-32 ADL 19-B [Soil] (US &	Sampled 11/09/17 0	9:00 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/08/18 09:00	
T172943-33 ADL 19-C [Soil] (US &	Sampled 11/09/17 0	9:00 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/08/18 09:00	
T172943-34 ADL 21-A [Soil] (US &	Sampled 11/09/17 0	9:45 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/08/18 09:45	
pH soil 9045	12/06/17 15:00	5	11/10/17 09:45	11/29/17 11:36, proceed with the analysis with samples outside the holding time criteria.
T172943-35 ADL 21-B [Soil] (US &	Sampled 11/09/17 0	9:45 (GMT	'-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/08/18 09:45	
T172943-36 ADL 21-C [Soil] (US &	Sampled 11/09/17 0	9:45 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/08/18 09:45	
T172943-37 ADL 23-A [Soil] (US &	Sampled 11/09/17 1	0:30 (GMT	'-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/08/18 10:30	

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Laborator	ies, Inc.	WO	RK ORDER		
PROVIDING QUALITY ANALYTICAL SE	RVICES NATIONWIDE		T172943	7	
		-			
Client: Blackburn Consultin Project: SR99/120 Interchang	•		Project Manager: Project Number:	Lisa Nguyen 2998.X	
Analysis	Due	TAT	Expires	Comments	
T172943-38 ADL 23-B [Soil] (US &] Sampled 11/09/17 1	.0:30 (GMT	(-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/08/18 10:30		
T172943-39 ADL 23-C [Soil (US &] Sampled 11/09/17 1	10:30 (GMT	Г-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 10:30		
T172943-40 ADL 28-A [Soil] (US &] Sampled 11/09/17 1	1:15 (GMT	C-08:00) Pacific Time		
6010 Pb	11/17/17 15:00	5	05/08/18 11:15		
T172943-41 ADL 28-B [Soil] (US &] Sampled 11/09/17 1	1:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 11:15		
T172943-42 ADL 28-C [Soil (US &] Sampled 11/09/17 1	1:15 (GMT	r-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 11:15		
T172943-43 ADL 29-A [Soil] (US &] Sampled 11/09/17 1	2:00 (GMT	(-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 12:00		
STLC Pb	12/04/17 15:00	5	05/08/18 12:00		
STLC Leaching Procedure Metals	12/04/17 15:00	5	11/23/17 12:00		
T172943-44 ADL 29-B [Soil] (US &] Sampled 11/09/17 1	2:00 (GMT	(-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 12:00		
T172943-45 ADL 29-C [Soil (US &] Sampled 11/09/17 1	2:00 (GMT	Г-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 12:00		
T172943-46 ADL 27-A [Soil] (US &] Sampled 11/09/17 1	2:45 (GMT	r-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 12:45		
T172943-47 ADL 27-B [Soil] (US &] Sampled 11/09/17 1	2:45 (GMT	Γ-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 12:45		

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Laboratori	es, Inc.	WOF	RK ORDER		
PROVIDING QUALITY ANALYTICAL SEF	VICES NATIONWIDE		172943	7	
Client: Blackburn Consulting Project: SR99/120 Interchang			Project Manager: Project Number:	Lisa Nguyen 2998.X	
			-		
Analysis	Due	TAT	Expires	Comments	
T172943-48 ADL 27-C [Soil] (US &	Sampled 11/09/17 1	2:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 12:45		
T172943-49 ADL 30-A [Soil] (US &	Sampled 11/09/17 09	9:20 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/08/18 09:20		
T172943-50 ADL 30-B [Soil] (US &	Sampled 11/09/17 09	9:20 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 09:20		
T172943-51 ADL 30-C [Soil] (US &	Sampled 11/09/17 0	9:20 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/08/18 09:20		
T172943-52 ADL 31-A [Soil] (US &	Sampled 11/09/17 10	0:15 (GMT	-08:00) Pacific Time		
6010 Pb	11/17/17 15:00	5	05/08/18 10:15		
T172943-53 ADL 31-B [Soil] (US &	Sampled 11/09/17 1	0:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 10:15		
T172943-54 ADL 31-C [Soil] (US &	Sampled 11/09/17 1	0:15 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/08/18 10:15		
T172943-55 ADL 32-A [Soil] (US &	Sampled 11/09/17 10	0:50 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/08/18 10:50		
T172943-56 ADL 32-B [Soil] (US &	Sampled 11/09/17 1	0:50 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 10:50		
T172943-57 ADL 32-C [Soil] (US &	Sampled 11/09/17 1	0:50 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 10:50		
T172943-58 ADL 33-A [Soil] (US &	Sampled 11/09/17 11	1:35 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 11:35		

SunStar					Printed: 11/29/2017 11:55:07AM
Providing Quality Analytical Se	ies, Inc.	WORK ORDER T172943			
Client: Blackburn Consultin Project: SR99/120 Interchang	0		Project Manager: Project Number:	Lisa Nguyen 2998.X	
Analysis	Due	TAT	Expires	Comments	
T172943-59 ADL 33-B [Soil] (US &] Sampled 11/09/17 1	1:35 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 11:35		
T172943-60 ADL 33-C [Soil (US &] Sampled 11/09/17 1	1:35 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 11:35		

SunStar					Printed: 11/29/2017 2:47:44PM
Providing Quality Analytical Ser		WO	RK ORDER		
		Т	172943		
Client: Blackburn Consulting Project: SR99/120 Interchang	-		Project Manager: Project Number:	Lisa Nguyen 2998.X	
Report To: Blackburn Consulting-West Sac Ryan Schmidt 2491 Boatman Ave. West Sacramento, CA -	2.				
Date Due: 11/17/17 17:0	00 (5 day TAT)				
Received By: Dan Marteski	i		Date Received:	11/10/17 10:55	
Logged In By: Dan Marteski	i		Date Logged In:	11/10/17 12:25	
Samples Received at: 5.3°C Custody Seals Yes Received On Containers Intact Yes COC/Labels Agree Yes Preservation Confiri Yes	i Ice Yes				
Analysis	Due	ТАТ	Expires	Comments	
T172943-01 ADL 07-A [Soil] (US &	Sampled 11/08/17 (09:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 09:00		
T172943-02 ADL 07-B [Soil] (US &	Sampled 11/08/17 (09:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 09:00		
T172943-03 ADL 07-C [Soil] (US &	Sampled 11/08/17	09:00 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 09:00		
T172943-04 ADL 09-A [Soil] (US &	Sampled 11/08/17 (09:45 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 09:45		
T172943-05 ADL 09-B [Soil] (US &	Sampled 11/08/17	09:45 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 09:45		
T172943-06 ADL 09-C [Soil] (US &	Sampled 11/08/17	09:45 (GMT	C-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 09:45		
pH soil 9045	11/30/17 15:00	5	11/09/17 09:45	11/29/17 11:36, p outside the holdin	roceed with the analysis with samples g time criteria.

SunStar					Printed: 11/29/2017 2:47:44PM
Laborato	ories, Inc.	WOI	RK ORDER		
Providing Quality Analytical	L SERVICES NATIONWIDE		172943	7	
Client: Blackburn Consul Project: SR99/120 Intercha	0		Project Manager: Project Number:	Lisa Nguyen 2998.X	
	0	TAT	-		
Analysis	Due	TAT	Expires	Comments	
T172943-07 ADL 11-A [So (US &	oil] Sampled 11/08/17 10	0:30 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 10:30		
T172943-08 ADL 11-B [So (US &	oil] Sampled 11/08/17 1	0:30 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 10:30		
T172943-09 ADL 11-C [Se (US &	oil] Sampled 11/08/17 1	0:30 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 10:30		
T172943-10 ADL 39-A [So (US &	oil] Sampled 11/08/17 1	1:15 (GMT	-08:00) Pacific Time	9	
6010 Pb	11/17/17 15:00	5	05/07/18 11:15		
T172943-11 ADL 39-B [So (US &	bil] Sampled 11/08/17 1	1:15 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/07/18 11:15		
T172943-12 ADL 39-C [So (US &	oil] Sampled 11/08/17 1	1:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 11:15		
T172943-13 ADL 41-A [Se (US &	oil] Sampled 11/08/17 1	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:00		
T172943-14 ADL 41-B [So (US &	oil] Sampled 11/08/17 1	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:00		
T172943-15 ADL 41-C [So (US &	oil] Sampled 11/08/17 1	2:00 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:00		
T172943-16 ADL 43-A [So (US &	bil] Sampled 11/08/17 1	2:45 (GMT	-08:00) Pacific Time	е	
6010 Pb	11/17/17 15:00	5	05/07/18 12:45		
T172943-17 ADL 43-B [So (US &	oil] Sampled 11/08/17 1	2:45 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/07/18 12:45		

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PROVIDING QUALITY ANALYTICAL S		WO	RK ORDER	
		Г	172943	
Client: Blackburn Consulti Project: SR99/120 Interchan			Project Manager: Project Number:	Lisa Nguyen 2998.X
Analysis	Due	TAT	Expires	Comments
T172943-18 ADL 43-C [Soi (US &	l] Sampled 11/08/17	12:45 (GMT	(-08:00) Pacific Tim	e
6010 Pb	11/17/17 15:00	5	05/07/18 12:45	
T172943-19 ADL 40-A [Soi (US &	1] Sampled 11/08/17 1	13:30 (GMT	C-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/07/18 13:30	
T172943-20 ADL 40-B [Soi (US &	1] Sampled 11/08/17 1	13:30 (GMT	C-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/07/18 13:30	
T172943-21 ADL 40-C [Soi (US &	I] Sampled 11/08/17	13:30 (GMT	G-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/07/18 13:30	
T172943-22 ADL 42-A [Soi (US &	l] Sampled 11/08/17 1	14:15 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/07/18 14:15	
T172943-23 ADL 42-B [Soi (US &	l] Sampled 11/08/17 1	14:15 (GMT	1-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/07/18 14:15	
T172943-24 ADL 42-C [Soi (US &	1] Sampled 11/08/17	14:15 (GMT	ſ-08:00) Pacific Tim	e
6010 Pb	11/17/17 15:00	5	05/07/18 14:15	
T172943-25 ADL 14-A [Soi (US &	l] Sampled 11/08/17 1	15:00 (GMT	F-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/07/18 15:00	
STLC Pb	12/01/17 15:00	4	05/07/18 15:00	
STLC Leaching Procedure Metal	s 12/01/17 15:00	4	11/22/17 15:00	
T172943-26 ADL 14-B [Soi (US &	1] Sampled 11/08/17 1	15:00 (GMT	F-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/07/18 15:00	
T172943-27 ADL 14-C [Soi (US &	1] Sampled 11/08/17	15:00 (GMT	Г-08:00) Pacific Tim	e
6010 Pb	11/17/17 15:00	5	05/07/18 15:00	
pH soil 9045	11/30/17 15:00	5	11/09/17 15:00	11/29/17 11:36, proceed with the analysis with samples outside the holding time criteria.

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Laboratori	es, Inc.	WOI	RK ORDER	
PROVIDING QUALITY ANALYTICAL SERV	VICES NATIONWIDE			7
		1	172943	
Client: Blackburn Consulting	g-West Sac.		Project Manager:	Lisa Nguyen
Project: SR99/120 Interchange	2		Project Number:	2998.X
Analysis	Due	TAT	Expires	Comments
T172943-28 ADL 17-A [Soil] (US &	Sampled 11/08/17 1	5:45 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/07/18 15:45	
T172943-29 ADL 17-B [Soil] (US &	Sampled 11/08/17 1	5:45 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/07/18 15:45	
T172943-30 ADL 17-C [Soil] (US &	Sampled 11/08/17 1	.5:45 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/07/18 15:45	
T172943-31 ADL 19-A [Soil] (US &	Sampled 11/09/17 0	9:00 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/08/18 09:00	
STLC Pb	12/01/17 15:00	4	05/08/18 09:00	
STLC Leaching Procedure Metals	12/01/17 15:00	4	11/23/17 09:00	
T172943-32 ADL 19-B [Soil] (US &	Sampled 11/09/17 0	9:00 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/08/18 09:00	
T172943-33 ADL 19-C [Soil] (US &	Sampled 11/09/17 0	9:00 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/08/18 09:00	
T172943-34 ADL 21-A [Soil] (US &	Sampled 11/09/17 0	9:45 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/08/18 09:45	
pH soil 9045	11/30/17 15:00	5	11/10/17 09:45	11/29/17 11:36, proceed with the analysis with samples outside the holding time criteria.
T172943-35 ADL 21-B [Soil] (US &	Sampled 11/09/17 0	9:45 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/08/18 09:45	
T172943-36 ADL 21-C [Soil] (US &	Sampled 11/09/17 0	9:45 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/08/18 09:45	
T172943-37 ADL 23-A [Soil] (US &	Sampled 11/09/17 1	0:30 (GMT	-08:00) Pacific Time	e
6010 Pb	11/17/17 15:00	5	05/08/18 10:30	

SunStar Laboratories, Inc. Providing Quality Analytical Services Nationwide		WORK ORDER T172943		Printed: 11/29/2017 2:47:44PM
Client: Blackburn Consulting-West Sac. Project: SR99/120 Interchange		Project Manager: Project Number:	Lisa Nguyen 2998.X	
Analysis Due	TAT	Expires	Comments	
T172943-38 ADL 23-B [Soil] Sampled 11/0 (US &	9/17 10:30 (GM)	Г-08:00) Pacific Time	e	
6010 Pb 11/17/17 1:	5:00 5	05/08/18 10:30		
T172943-39 ADL 23-C [Soil] Sampled 11/0 (US &	09/17 10:30 (GM'	T-08:00) Pacific Time	e	
6010 Pb 11/17/17 1:	5:00 5	05/08/18 10:30		
T172943-40 ADL 28-A [Soil] Sampled 11/0 (US &	9/17 11:15 (GMT	Г-08:00) Pacific Time	9	
6010 Pb 11/17/17 1:	5:00 5	05/08/18 11:15		
T172943-41 ADL 28-B [Soil] Sampled 11/0 (US &	09/17 11:15 (GMT	Г-08:00) Pacific Time	2	
6010 Pb 11/17/17 1:	5:00 5	05/08/18 11:15		
T172943-42 ADL 28-C [Soil] Sampled 11/0 (US &	09/17 11:15 (GM)	Г-08:00) Pacific Time	e	
6010 Pb 11/17/17 1:	5:00 5	05/08/18 11:15		
T172943-43 ADL 29-A [Soil] Sampled 11/0 (US &	9/17 12:00 (GM)	Г-08:00) Pacific Time	e	
6010 Pb 11/17/17 1:	5:00 5	05/08/18 12:00		
STLC Pb 12/01/17 1		05/08/18 12:00		
STLC Leaching Procedure Metals 12/01/17 1	5:00 4	11/23/17 12:00		
T172943-44 ADL 29-B [Soil] Sampled 11/0 (US &			e	
6010 Pb 11/17/17 1:	5:00 5	05/08/18 12:00		
T172943-45 ADL 29-C [Soil] Sampled 11/0 (US &	·	·	e	
6010 Pb 11/17/17 1:	5:00 5	05/08/18 12:00		
T172943-46 ADL 27-A [Soil] Sampled 11/0 (US &	9/17 12:45 (GM)	Г-08:00) Pacific Time	9	
6010 Pb 11/17/17 1:	5:00 5	05/08/18 12:45		
T172943-47 ADL 27-B [Soil] Sampled 11/0 (US &	9/17 12:45 (GM)	Г-08:00) Pacific Time	6	
6010 Pb 11/17/17 1:	5:00 5	05/08/18 12:45		

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Laboratori	ies, Inc.	WOI	RK ORDER		
PROVIDING QUALITY ANALYTICAL SEP	RVICES NATIONWIDE		172943	Г	
		1	112/13		
Client: Blackburn Consulting	-		Project Manager:	Lisa Nguyen	
Project: SR99/120 Interchang	e		Project Number:	2998.X	
Analysis	Due	TAT	Expires	Comments	
T172943-48 ADL 27-C [Soil] (US &	Sampled 11/09/17 1	2:45 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 12:45		
T172943-49 ADL 30-A [Soil] (US &	Sampled 11/09/17 09	9:20 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:20		
T172943-50 ADL 30-B [Soil] (US &	Sampled 11/09/17 09	9:20 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:20		
T172943-51 ADL 30-C [Soil] (US &	Sampled 11/09/17 0	9:20 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 09:20		
T172943-52 ADL 31-A [Soil] (US &	Sampled 11/09/17 10	0:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:15		
T172943-53 ADL 31-B [Soil] (US &	Sampled 11/09/17 1	0:15 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:15		
T172943-54 ADL 31-C [Soil] (US &	Sampled 11/09/17 1	0:15 (GMT	'-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:15		
T172943-55 ADL 32-A [Soil] (US &	Sampled 11/09/17 10	0:50 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:50		
T172943-56 ADL 32-B [Soil] (US &	Sampled 11/09/17 1	0:50 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:50		
T172943-57 ADL 32-C [Soil] (US &	Sampled 11/09/17 1	0:50 (GMT	-08:00) Pacific Time	e	
6010 Pb	11/17/17 15:00	5	05/08/18 10:50		
T172943-58 ADL 33-A [Soil] (US &	Sampled 11/09/17 1	1:35 (GMT	-08:00) Pacific Time	2	
6010 Pb	11/17/17 15:00	5	05/08/18 11:35		

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Providing Quality Analytical Se	ies, Inc.	WORK ORDER T172943					
Client: Blackburn Consultin Project: SR99/120 Interchang	0		Project Manager: Project Number:	Lisa Nguyen 2998.X			
Analysis	Due	TAT	Expires	Comments			
T172943-59 ADL 33-B [Soil] (US &	Sampled 11/09/17 1	1:35 (GMT	-08:00) Pacific Time	e			
6010 Pb	11/17/17 15:00	5	05/08/18 11:35				
T172943-60 ADL 33-C [Soil] Sampled 11/09/17 11:35 (GMT-08:00) Pacific Time (US &							
6010 Pb	11/17/17 15:00	5	05/08/18 11:35				

State Route 99/120 Interchange Improvement Project Aerially Deposited Lead (ADL) Assessment

APPENDIX C

Statistical Analysis



		or Data Sets with Non-Detects	
User Selected Options			
Date/Time of Computation ProUCL 5.111/28/2017 1	:20:31 PM		
From File All Data (no outliers).xls			
Full Precision OFF			
Confidence Coefficient 95%			
Number of Bootstrap Operations 2000			
ead (0-6)			
	0	N-11-11	
Total Number of Observations	General S 44	Number of Distinct Observations	19
Number of Detects	26	Number of Non-Detects	19
Number of Distinct Detects	18	Number of Distinct Non-Detects	10
Minimum Detect	10	Minimum Non-Detect	5
Maximum Detect	130	Maximum Non-Detect	5
Variance Detects	1288	Percent Non-Detects	40.91%
Mean Detects	35.31	SD Detects	35.88
Median Detects	19	CV Detects	1.016
Skewness Detects	1.798	Kurtosis Detects	2.184
Mean of Logged Detects	3.211	SD of Logged Detects	0.785
	0.211		0.700
Kaplan-Meier (KM) Statistics usi	ng Normal Cri	itical Values and other Nonparametric UCLs	
Mean	22.91	Standard Error of Mean	4.748
Mean SD	22.91 30.88	Standard Error of Mean 95% KM (BCA) UCL	4.748 31.11
	-		-
SD	30.88	95% KM (BCA) UCL	31.11
SD 95% KM (t) UCL	30.88 30.89	95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL	31.11 31.16
SD 95% KM (t) UCL 95% KM (z) UCL	30.88 30.89 30.72	95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL	31.11 31.16 32.93
SD 95% KM (t) UCL 95% KM (z) UCL 90% KM Chebyshev UCL 97.5% KM Chebyshev UCL	30.88 30.89 30.72 37.15 52.56	95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL	31.11 31.16 32.93 43.6
SD 95% KM (t) UCL 95% KM (z) UCL 90% KM Chebyshev UCL 97.5% KM Chebyshev UCL	30.88 30.89 30.72 37.15 52.56	95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL	31.11 31.16 32.93 43.6
SD 95% KM (t) UCL 95% KM (z) UCL 90% KM Chebyshev UCL 97.5% KM Chebyshev UCL Statistics using KM estimates	30.88 30.89 30.72 37.15 52.56 on Logged Da	95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL	31.11 31.16 32.93 43.6 70.15
SD 95% KM (t) UCL 95% KM (z) UCL 90% KM Chebyshev UCL 97.5% KM Chebyshev UCL Statistics using KM estimates KM SD (logged)	30.88 30.89 30.72 37.15 52.56 on Logged Da 0.985	95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL ata and Assuming Lognormal Distribution 95% Critical H Value (KM-Log)	31.11 31.16 32.93 43.6 70.15 2.35
SD 95% KM (t) UCL 95% KM (z) UCL 90% KM Chebyshev UCL 97.5% KM Chebyshev UCL Statistics using KM estimates KM SD (logged) KM Mean (logged)	30.88 30.89 30.72 37.15 52.56 on Logged D 0.985 2.556	95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL 99% KM Chebyshev UCL 95% Critical H Value (KM-Log) KM Geo Mean 95% H-UCL (KM -Log)	31.11 31.16 32.93 43.6 70.15 2.35 12.88
SD 95% KM (t) UCL 95% KM (z) UCL 90% KM Chebyshev UCL 97.5% KM Chebyshev UCL Statistics using KM estimates KM SD (logged) KM Mean (logged)	30.88 30.89 30.72 37.15 52.56 on Logged Da 0.985 2.556 0.151	95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL 99% KM Chebyshev UCL 95% Critical H Value (KM-Log) KM Geo Mean 95% H-UCL (KM -Log)	31.11 31.16 32.93 43.6 70.15 2.35 12.88
SD 95% KM (t) UCL 95% KM (z) UCL 90% KM Chebyshev UCL 97.5% KM Chebyshev UCL Statistics using KM estimates KM SD (logged) KM Mean (logged) KM Mean (logged) KM Standard Error of Mean (logged) 95% KM (Chebyshev) UCL Note: Suggestions regarding the selection of a 95%	30.88 30.89 30.72 37.15 52.56 0.151 0.985 2.556 0.151 Suggested L 43.6 0 UCL are prov	95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL 99% KM Chebyshev UCL 95% Critical H Value (KM-Log) KM Geo Mean 95% H-UCL (KM -Log) JCL to Use	31.11 31.16 32.93 43.6 70.15 2.35 12.88
SD 95% KM (t) UCL 95% KM (z) UCL 90% KM Chebyshev UCL 97.5% KM Chebyshev UCL Statistics using KM estimates KM SD (logged) KM Standard Error of Mean (logged) KM Standard Error of Mean (logged) 95% KM (Chebyshev) UCL Note: Suggestions regarding the selection of a 95% Recommendations are base	30.88 30.89 30.72 37.15 52.56 0.985 2.556 0.151 Suggested L 43.6 5 UCL are pro-	95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL 99% KM Chebyshev UCL 99% KM Chebyshev UCL 95% Critical H Value (KM-Log) KM Geo Mean 95% H-UCL (KM -Log) JCL to Use	31.11 31.16 32.93 43.6 70.15 2.35 12.88
SD 95% KM (t) UCL 95% KM (z) UCL 90% KM Chebyshev UCL 97.5% KM Chebyshev UCL Statistics using KM estimates KM SD (logged) KM Mean (logged) KM Mean (logged) KM Standard Error of Mean (logged) Statistics using KM estimates KM Standard Error of Mean (logged) 95% KM (Chebyshev) UCL Note: Suggestions regarding the selection of a 95% Recommendations are based	30.88 30.89 30.72 37.15 52.56 0.151 0.985 2.556 0.151 Suggested L 43.6 5 UCL are pro- sed upon data Its of the simu	95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL 99% KM Chebyshev UCL 99% KM Chebyshev UCL Size, data distribution 95% Critical H Value (KM-Log) KM Geo Mean 95% H-UCL (KM -Log) UCL to Use	31.11 31.16 32.93 43.6 70.15 2.35 12.88 29.76
SD 95% KM (t) UCL 95% KM (z) UCL 90% KM Chebyshev UCL 97.5% KM Chebyshev UCL Statistics using KM estimates KM SD (logged) KM Mean (logged) KM Mean (logged) KM Standard Error of Mean (logged) Statistics using KM estimates KM Standard Error of Mean (logged) 95% KM (Chebyshev) UCL Note: Suggestions regarding the selection of a 95% Recommendations are based	30.88 30.89 30.72 37.15 52.56 0.151 0.985 2.556 0.151 Suggested L 43.6 5 UCL are pro- sed upon data Its of the simu	95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL 99% KM Chebyshev UCL 99% KM Chebyshev UCL 95% Critical H Value (KM-Log) KM Geo Mean 95% H-UCL (KM -Log) JCL to Use	31.11 31.16 32.93 43.6 70.15 2.35 12.88 29.76
SD 95% KM (t) UCL 95% KM (z) UCL 90% KM Chebyshev UCL 97.5% KM Chebyshev UCL Statistics using KM estimates KM SD (logged) KM Mean (logged) KM Mean (logged) KM Standard Error of Mean (logged) Statistics using KM estimates KM Standard Error of Mean (logged) 95% KM (Chebyshev) UCL Note: Suggestions regarding the selection of a 95% Recommendations are based	30.88 30.89 30.72 37.15 52.56 0.151 0.985 2.556 0.151 Suggested L 43.6 5 UCL are pro- sed upon data Its of the simu	95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL 99% KM Chebyshev UCL 99% KM Chebyshev UCL Size, data distribution 95% Critical H Value (KM-Log) KM Geo Mean 95% H-UCL (KM -Log) UCL to Use	31.11 31.16 32.93 43.6 70.15 2.35 12.88 29.76

Normal UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.111/28/2017 12:18:03 PM
From File	All Data (no outliers).xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Lead (12-18)

General StatisticsTotal Number of Observations43Number of Distinct Observations14Number of Detects16Number of Non-Detects27Number of Distinct Detects13Number of Distinct Non-Detects1Minimum Detect9.9Minimum Non-Detect5Maximum Detect41Maximum Non-Detects62.79%Variance Detects90.28Percent Non-Detects9.502Mean Detects19.5CV Detects9.443Median Detects19.5CV Detects0.443Mean of Logged Detects2.975SD of Logged Detects0.437				
Number of Detects16Number of Non-Detects27Number of Distinct Detects13Number of Distinct Non-Detects1Minimum Detect9.9Minimum Non-Detect5Maximum Detect41Maximum Non-Detects5Variance Detects90.28Percent Non-Detects62.79%Mean Detects21.43SD Detects9.502Median Detects19.5CV Detects0.443Skewness Detects0.807Kurtosis Detects-0.197		General	Statistics	
Number of Distinct Detects13Number of Distinct Non-Detects1Minimum Detect9.9Minimum Non-Detect5Maximum Detect41Maximum Non-Detect5Variance Detects90.28Percent Non-Detects62.79%Mean Detects21.43SD Detects9.502Median Detects19.5CV Detects0.443Skewness Detects0.807Kurtosis Detects-0.197	Total Number of Observations	43	Number of Distinct Observations	14
Minimum Detect9.9Minimum Non-Detect5Maximum Detect41Maximum Non-Detect5Variance Detects90.28Percent Non-Detects62.79%Mean Detects21.43SD Detects9.502Median Detects19.5CV Detects0.443Skewness Detects0.807Kurtosis Detects-0.197	Number of Detects	16	Number of Non-Detects	27
Maximum Detect41Maximum Non-Detect5Variance Detects90.28Percent Non-Detects62.79%Mean Detects21.43SD Detects9.502Median Detects19.5CV Detects0.443Skewness Detects0.807Kurtosis Detects-0.197	Number of Distinct Detects	13	Number of Distinct Non-Detects	1
Variance Detects90.28Percent Non-Detects62.79%Mean Detects21.43SD Detects9.502Median Detects19.5CV Detects0.443Skewness Detects0.807Kurtosis Detects-0.197	Minimum Detect	9.9	Minimum Non-Detect	5
Mean Detects21.43SD Detects9.502Median Detects19.5CV Detects0.443Skewness Detects0.807Kurtosis Detects-0.197	Maximum Detect	41	Maximum Non-Detect	5
Median Detects 19.5 CV Detects 0.443 Skewness Detects 0.807 Kurtosis Detects -0.197	Variance Detects	90.28	Percent Non-Detects	62.79%
Skewness Detects 0.807 Kurtosis Detects -0.197	Mean Detects	21.43	SD Detects	9.502
	Median Detects	19.5	CV Detects	0.443
Mean of Logged Detects 2.975 SD of Logged Detects 0.437	Skewness Detects	0.807	Kurtosis Detects	-0.197
	Mean of Logged Detects	2.975	SD of Logged Detects	0.437

Norm	al GOF Tes	t on Detects Only
Shapiro Wilk Test Statistic	0.911	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.887	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.166	Lilliefors GOF Test
5% Lilliefors Critical Value	0.213	Detected Data appear Normal at 5% Significance Level
Detected Data a	appear Norm	nal at 5% Significance Level

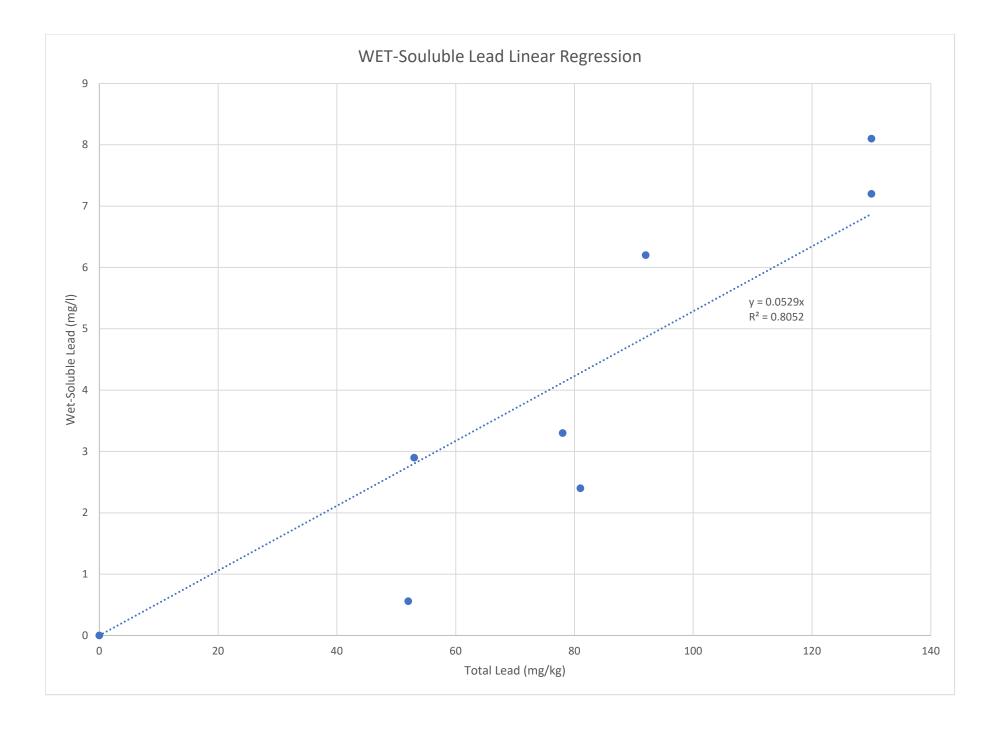
Kaplan-Meier (KM) Statistics usin	g Normal C	critical Values and other Nonparametric UCLs	
KM Mean	11.11	KM Variance	1.532
KM SD	9.725	KM Standard Error of Mean	94.57
95% KM (BCA) UCL	13.7	97.5% KM (BCA) UCL	14.21
95% KM (t) UCL	13.69	95% KM (Percentile Bootstrap) UCL	13.77
95% KM (z) UCL	13.63	95% KM Bootstrap t UCL	14.07
90% KM Chebyshev UCL	15.71	95% KM Chebyshev UCL	17.79
97.5% KM Chebyshev UCL	20.68	99% KM Chebyshev UCL	26.35

DL/2 Log-Transformed 4 Mean in Log Scale 5 SD in Log Scale	1.682
5 SD in Log Scale	
	1.04
95% H-Stat UCL	13.6
ovided for comparisons and historical reasons	
ted UCL to Use	
e provided to help the user to select the most appropriate 95% UCL.	
data size, data distribution, and skewness.	
simulation studies summarized in Singh, Maichle, and Lee (2006).	
	ted UCL to Use

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

	Normal UCL Sta	tistics for I	Data Sets with Non-Detects	
	1			
User Selected Options		10 10 00 5		
Date/Time of Computation	ProUCL 5.111/28/2017		M	
From File	All Data (no outliers).xls	6		
Full Precision	OFF			
Confidence Coefficient	95%			
Number of Bootstrap Operations	2000			
Lead (24-30)				
			Statistics	
Total N	lumber of Observations	43	Number of Distinct Observations	8
	Number of Detects	8	Number of Non-Detects	35
Nur	nber of Distinct Detects	7	Number of Distinct Non-Detects	1
	Minimum Detect	16	Minimum Non-Detect	5
	Maximum Detect	53	Maximum Non-Detect	5
	Variance Detects	197.4	Percent Non-Detects	81.4%
	Mean Detects	30	SD Detects	14.05
	Median Detects	24	CV Detects	0.468
	Skewness Detects	0.945	Kurtosis Detects	-0.738
N	lean of Logged Detects	3.313	SD of Logged Detects	0.44
	Norma	I GOF Tes	t on Detects Only	
Sh	apiro Wilk Test Statistic	0.848	Shapiro Wilk GOF Test	
	apiro Wilk Critical Value	0.818	Detected Data appear Normal at 5% Significance Le	evel
	Lilliefors Test Statistic	0.237	Lilliefors GOF Test	
5%	Lilliefors Critical Value	0.283	Detected Data appear Normal at 5% Significance Le	evel
			nal at 5% Significance Level	
Kaplan-Me	eier (KM) Statistics using	g Normal C	Critical Values and other Nonparametric UCLs	
	KM Mean	9.651	KM Variance	1.836
	KM SD	11.26	KM Standard Error of Mean	126.8
	95% KM (BCA) UCL	12.63	97.5% KM (BCA) UCL	13.56
	95% KM (t) UCL	12.74	95% KM (Percentile Bootstrap) UCL	12.63
	95% KM (z) UCL	12.67	95% KM Bootstrap t UCL	13.64
90	% KM Chebyshev UCL	15.16	95% KM Chebyshev UCL	17.65
97.5	% KM Chebyshev UCL	21.11	99% KM Chebyshev UCL	27.92
		DI /2 S	tatistics	
DL/2	Normal	0020	DL/2 Log-Transformed	
	Mean in Original Scale	7.616	Mean in Log Scale	1.362
	SD in Original Scale	12.25	SD in Log Scale	0.961
95% t UC	CL (Assumes normality)	10.76	95% H-Stat UCL	8.734
			ded for comparisons and historical reasons	
			UCL to Use	
	95% KM (t) UCL	12.74		
Note: Suggestions regarding	g the selection of a 95%	UCL are pr	ovided to help the user to select the most appropriate 95% L	JCL.
	-		a size, data distribution, and skewness.	
			nulation studies summarized in Singh, Maichle, and Lee (200	06).
However, simulations results	will not cover all Real Wo	orld data se	ts; for additional insight the user may want to consult a statis	stician.

	Nonparametric UCL	Statistics	for Data Sets with Non-Detects	
User Selected Options				
Date/Time of Computation	ProUCL 5.112/3/2017 9	-38-02 DM		
From File	All Data (no outliers).xls			
Full Precision	OFF	>		
Confidence Coefficient	95%			
Number of Bootstrap Operations	2000			
	2000			
.ead (0-30)				
		Osmanal	Otestistics	
T-+-! N	hundred of Observations	General		01
	Number of Observations	130	Number of Distinct Observations	31
	Number of Detects	50	Number of Non-Detects	80
Nu	mber of Distinct Detects	30	Number of Distinct Non-Detects	1
	Minimum Detect	9.9	Minimum Non-Detect	5
	Maximum Detect	130	Maximum Non-Detect	5
	Variance Detects	751.7	Percent Non-Detects	61.54%
	Mean Detects	30.02	SD Detects	27.42
	Median Detects	20.5	CV Detects	0.913
	Skewness Detects	2.486	Kurtosis Detects	6.156
				0 0 4 5
N	Mean of Logged Detects Nonparamet	3.152	SD of Logged Detects tion Free UCL Statistics	0.645
	Nonparamet Data do not follow a Dis	ric Distribut	tion Free UCL Statistics stribution at 5% Significance Level	0.645
	Nonparamet Data do not follow a Dis eier (KM) Statistics using	ric Distribut cernible Di g Normal C	tion Free UCL Statistics stribution at 5% Significance Level ritical Values and other Nonparametric UCLs	
	Nonparamet Data do not follow a Dis eier (KM) Statistics using Mean	ric Distribut icernible Di g Normal C 14.62	tion Free UCL Statistics stribution at 5% Significance Level iritical Values and other Nonparametric UCLs Standard Error of Mean	1.84
	Nonparamet Data do not follow a Dis eier (KM) Statistics using Mean SD	ric Distribut cernible Di g Normal C 14.62 20.77	tion Free UCL Statistics stribution at 5% Significance Level ritical Values and other Nonparametric UCLs Standard Error of Mean 95% KM (BCA) UCL	1.84 17.9
	Nonparamet Data do not follow a Dis eier (KM) Statistics using Mean SD 95% KM (t) UCL	ric Distribut cernible Di g Normal C 14.62 20.77 17.67	tion Free UCL Statistics istribution at 5% Significance Level iritical Values and other Nonparametric UCLs Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL	1.84 17.9 17.69
Kaplan-Mo	Nonparamet Data do not follow a Dis eier (KM) Statistics using Mean SD 95% KM (t) UCL 95% KM (z) UCL	ric Distribut cernible Di g Normal C 14.62 20.77 17.67 17.65	tion Free UCL Statistics stribution at 5% Significance Level ritical Values and other Nonparametric UCLs Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL	1.84 17.9 17.69 18.45
Kaplan-Me	Nonparamet Data do not follow a Dis eier (KM) Statistics using Mean SD 95% KM (t) UCL 95% KM (z) UCL 0% KM Chebyshev UCL	ric Distribut cernible Di g Normal C 14.62 20.77 17.67 17.65 20.14	tion Free UCL Statistics istribution at 5% Significance Level iritical Values and other Nonparametric UCLs Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL	1.84 17.9 17.69 18.45 22.64
Kaplan-Me	Nonparamet Data do not follow a Dis eier (KM) Statistics using Mean SD 95% KM (t) UCL 95% KM (z) UCL	ric Distribut cernible Di g Normal C 14.62 20.77 17.67 17.65	tion Free UCL Statistics stribution at 5% Significance Level ritical Values and other Nonparametric UCLs Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL	1.84 17.9 17.69 18.45
Kaplan-M 90 97.5	Nonparamet Data do not follow a Dis eier (KM) Statistics using Mean SD 95% KM (t) UCL 95% KM (z) UCL 0% KM Chebyshev UCL 5% KM Chebyshev UCL	ric Distribut cernible Di g Normal C 14.62 20.77 17.67 17.65 20.14 26.12	tion Free UCL Statistics istribution at 5% Significance Level iritical Values and other Nonparametric UCLs Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL	1.84 17.9 17.69 18.45 22.64
Kaplan-M 90 97.5	Nonparamet Data do not follow a Dis eier (KM) Statistics using Mean SD 95% KM (t) UCL 95% KM (z) UCL 0% KM Chebyshev UCL 5% KM Chebyshev UCL	ric Distribut cernible Di g Normal C 14.62 20.77 17.67 17.65 20.14 26.12	tion Free UCL Statistics istribution at 5% Significance Level iritical Values and other Nonparametric UCLs Standard Error of Mean 95% KM (BCA) UCL 95% KM (BCA) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL	1.84 17.9 17.69 18.45 22.64
Kaplan-M 90 97.5	Nonparamet Data do not follow a Dis eler (KM) Statistics using Mean SD 95% KM (t) UCL 95% KM (z) UCL 0% KM Chebyshev UCL 5% KM Chebyshev UCL	ric Distribut cernible Di g Normal C 14.62 20.77 17.67 17.65 20.14 26.12 n Logged I	tion Free UCL Statistics stribution at 5% Significance Level critical Values and other Nonparametric UCLs Standard Error of Mean 95% KM (BCA) UCL 95% KM (BCA) UCL 95% KM Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL 99% KM Chebyshev UCL	1.84 17.9 17.69 18.45 22.64 32.93
Kaplan-Mo 90 97.5 Statistic	Nonparamet Data do not follow a Dis eler (KM) Statistics using Mean SD 95% KM (t) UCL 95% KM (z) UCL 0% KM Chebyshev UCL 5% KM Chebyshev UCL cs using KM estimates of KM SD (logged)	ric Distribut cernible Di 14.62 20.77 17.67 17.65 20.14 26.12 n Logged I 0.849	tion Free UCL Statistics Stribution at 5% Significance Level Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL 99% KM Chebyshev UCL 95% Critical H Value (KM-Log)	1.84 17.9 17.69 18.45 22.64 32.93 2.063
Kaplan-Mo 90 97.5 Statistic	Nonparamet Data do not follow a Dis eier (KM) Statistics using Mean SD 95% KM (t) UCL 95% KM (t) UCL 0% KM Chebyshev UCL 5% KM Chebyshev UCL	ric Distribut cernible Di 14.62 20.77 17.67 17.65 20.14 26.12 n Logged I 0.849 2.203 0.0752	tion Free UCL Statistics istribution at 5% Significance Level iritical Values and other Nonparametric UCLs Standard Error of Mean 95% KM (BCA) UCL 95% KM (BCA) UCL 95% KM Bootstrap UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL Data and Assuming Lognormal Distribution 95% Critical H Value (KM-Log) KM Geo Mean 95% H-UCL (KM -Log)	1.84 17.9 17.69 18.45 22.64 32.93 2.063 9.049
Kaplan-Me 90 97.5 Statistic KM Standard	Nonparamet Data do not follow a Dis eier (KM) Statistics using Mean SD 95% KM (t) UCL 95% KM (z) UCL 0% KM Chebyshev UCL 5% KM Chebyshev	ric Distribut cernible Di g Normal C 14.62 20.77 17.67 17.65 20.14 26.12 n Logged I 0.849 2.203 0.0752 Suggested	tion Free UCL Statistics stribution at 5% Significance Level ritical Values and other Nonparametric UCLs Standard Error of Mean 95% KM (BCA) UCL 95% KM (BCA) UCL 95% KM Bootstrap UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL 99% KM Chebyshev UCL 95% Critical H Value (KM-Log) KM Geo Mean	1.84 17.9 17.69 18.45 22.64 32.93 2.063 9.049
Kaplan-Ma 90 97.5 Statistic KM Standard	Nonparamet Data do not follow a Dis eier (KM) Statistics using Mean SD 95% KM (t) UCL 95% KM (t) UCL 0% KM Chebyshev UCL 5% KM (chebyshev) UCL	ric Distribut cernible Di g Normal C 14.62 20.77 17.67 17.65 20.14 26.12 n Logged I 0.849 2.203 0.0752 Suggested 22.64	tion Free UCL Statistics istribution at 5% Significance Level iritical Values and other Nonparametric UCLs Standard Error of Mean 95% KM (BCA) UCL 95% KM (BCA) UCL 95% KM Bootstrap UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL 99% KM Chebyshev UCL 95% Critical H Value (KM-Log) KM Geo Mean 95% H-UCL (KM -Log) UCL to Use	1.84 17.9 17.69 18.45 22.64 32.93 2.063 9.049 15.13
Kaplan-Ma 90 97.5 Statistic KM Standarc 959 Note: Suggestions regardin	Nonparamet Data do not follow a Dis eler (KM) Statistics using Mean SD 95% KM (t) UCL 95% KM (t) UCL 0% KM Chebyshev UCL 5% KM Mean (logged) KM Mean (logged) 1 Error of Mean (logged) 5% KM (Chebyshev) UCL 5% KM (Chebyshev) UCL 5% KM (Chebyshev) UCL	ric Distribut cernible Di g Normal C 14.62 20.77 17.67 17.65 20.14 26.12 n Logged I 0.849 2.203 0.0752 Suggested 22.64 UCL are pro	tion Free UCL Statistics stribution at 5% Significance Level ritical Values and other Nonparametric UCLs Standard Error of Mean 95% KM (BCA) UCL 95% KM (BCA) UCL 95% KM Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL 99% KM Chebyshev UCL 95% Critical H Value (KM-Log) KM Geo Mean 95% H-UCL (KM -Log) UCL to Use	1.84 17.9 17.69 18.45 22.64 32.93 2.063 9.049 15.13
Kaplan-Ma 90 97.5 Statistic KM Standarc 959 Note: Suggestions regardin Rei	Nonparamet Data do not follow a Dis eier (KM) Statistics using Mean SD 95% KM (t) UCL 95% KM (t) UCL 95% KM (z) UCL 0% KM Chebyshev UCL 5% KM (Chebyshev) UCL 5% K	ric Distribut cernible Di g Normal C 14.62 20.77 17.67 17.65 20.14 26.12 n Logged I 0.849 2.203 0.0752 Suggested 22.64 UCL are pro-	tion Free UCL Statistics istribution at 5% Significance Level iritical Values and other Nonparametric UCLs Standard Error of Mean 95% KM (BCA) UCL 95% KM (BCA) UCL 95% KM Bootstrap UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL 99% KM Chebyshev UCL 95% Critical H Value (KM-Log) KM Geo Mean 95% H-UCL (KM -Log) UCL to Use	1.84 17.9 17.69 18.45 22.64 32.93 2.063 9.049 15.13 CL.



State Route 99/120 Interchange Improvement Project Aerially Deposited Lead (ADL) Assessment

APPENDIX D

Site Photographs





Photo 1: SR 120 Southbound just after exiting SR 99.



Photo 2: SR 99 Southbound just after exiting SR 120.



Photo 3: Austin Road exit on the south side of SR 99.



Photo 4: Austin Road exit along railway.



Photo 5: Austin Road on-ramp to Southbound 99.



Photo 6: Frontage road parallel to SR 99 northbound.



Photo 7: Austin Road exit north of SR 99.



Photo 8: Loop connecting SR 120 eastbound with SR 99 northbound and SR 99 northbound with SR 120 westbound.