WallaceKuhl & ASSOCIATES | A Universal Engineering Sciences Company

Soil Excavation and Disposal Report
12001 LA GRANGE ROAD PROPERTY
Keystone, California
WKA No. 12774.04
August 31, 2022

Prepared for:
Ms. Barbara Hayes
Golden State Finance Authority
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Soil Excavation and Disposal Report
12001 LA GRANGE ROAD PROPERTY
Keystone, California
WKA No. 12774.04
August 31, 2022

Wallace-Kuhl & Associates has prepared this Soil Excavation and Disposal Report for the 12001 La Grange Road Property located in Keystone, Tuolumne County, California. This report was prepared in a manner consistent with the level of care and skill ordinarily exercised by professional geologists and environmental scientists. This report was prepared under the supervision of a California Professional Geologist.

WALLACE-KUHL & ASSOCIATES

Matthew A. Taylor
Project Manager

Kurt Balasek, PG, CHG
Senior Hydrogeologist

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1.0 INTRODUCTION

Wallace-Kuhl and Associates (WKA) has prepared this Soil Excavation and Disposal Report to describe field activities, summarize laboratory analytical results, and present conclusions for soil removal and disposal completed at the 12001 La Grange Road Property (herein referred to collectively as Site) located in Keystone, California (Figure 1). The Site consists of 58.56 acres of land identified by Tuolumne County Assessor's Parcel Number (APN) 063-190-056.

2.0 BACKGROUND

WKA previously prepared a report titled, *Phase I Environmental Site Assessment, 12001 La Grange Road Property, Keystone, California* (Phase I ESA), dated June 3, 2020. The Phase I ESA Report summarized on-site concerns and included recommendations to perform environmental sampling to investigate on-site recognized environmental conditions (RECs).

The Phase I ESA identified the RECs associated with historical operations at the Site from at least 1976 to at least 1984. Previous assessments conducted at the lumber mill indicated that trace levels of pentachlorophenol were present in soils as a result of wood preservative use. The reports concluded that the levels of pentachlorophenol reported in laboratory results did not exceed applicable screening levels of the time.

Based on historical lumber mill operations, WKA identified arsenic, copper, chromium VI, lead, organochlorine pesticides (OCPs), pentachlorophenol, 2,3,4,6-Tetrachlorophenol, semi-volatile organic compounds (SVOCs), creosotes, CAM 17 metals, and dioxins and furans as chemicals of potential concern (COPCs) related to historical Site activities, building maintenance activities, and chemical storage that have the potential to impact surface soils.

In October 2020, WKA performed a Phase II Environmental Site Assessment (ESA) at the Site to evaluate COPCs related to historical Site activities associated with the property. With the exception of arsenic, and mercury, results of WKA's Phase II ESA showed no concentrations of COPCs in the soil samples at levels that pose a threat to human health under a commercial land use scenario. WKA did note that the laboratory reporting limits for hexavalent chromium

and the SVOCs dibenz (a,h) anthracene, hexachlorobenzene, and bis(2-chloroethyl)ether, exceeded their respective commercial screening levels; however, in the case of hexavalent chromium, the mathematically calculated method detection limit (which is lower than reporting limit) showed that hexavalent chromium was below commercial screening levels. The VOCs are discussed below.

Arsenic concentrations ranged from less than the reporting limit of 2.0 milligrams per kilogram (mg/kg) to 3.7 mg/kg exceeding the commercial screening level. However, levels observed in samples from the site are below regional naturally occurring arsenic levels for soil as demonstrated by USGS' *Geochemical and Mineralogical Maps for the Conterminous United States* for the Keystone area.

Mercury was reported in the composite sample collected from the former Teepee Burner area at a concentration of 7.1 milligrams per kilogram (mg/kg), which exceeds the environmental screening level of 4.4 mg/kg for commercial land use.

As indicated above, the laboratory method detection limits (MDL) for dibenz(a,h)anthracene, hexachlorobenzene, and bis(2-chloroethyl)ether are slightly over their respective commercial screening levels. However, the WKA report stated there is no evidence that these compounds exist on the Site in any concentration, but that they cannot be entirely ruled out.

Discussion

The sampling and analysis performed by WKA revealed mercury in surface soil in the area of the former Teepee Burner area at a concentration that would pose health risks for commercial development of the property. The mercury identified on the site is likely from an anthropogenic (man-made) source as the naturally occurring form of mercury (Cinnabar) is not found in the Sierra Nevada foothills around Jamestown and Sonora.

The Phase II ESA report, dated October 29, 2020, recommended analyzing a select set of samples previously collected for mercury to determine if there is a more wide-spread occurrence across the property. Assuming no wide -spread occurrence, WKA recommended collecting additional samples from and around the footprint of the former Teepee Burner to identify the lateral and vertical extent of the elevated mercury. Once the extent of elevated mercury was identified, WKA recommended excavation and appropriate disposal of the impacted soil.

On February 29, 2021, WKA collected 19 additional discrete samples from the area previously identified with elevated concentrations of mercury. The laboratory results indicated that

delineation of the mercury-impacted area was achieved by the sampling and that the affected area encompasses approximately 1,600 square feet near the old Teepee Burner.

3.0 OBJECTIVE

The purpose of the soil excavation, confirmation soil sampling and disposal activities was to remove shallow subsurface soil impacted with elevated concentrations of mercury exceeding its commercial screening level that was identified during soil sampling activities performed during the Phase II ESA at the Site.

4.0 SOIL EXCAVATION AND CONFIRMATION SAMPLING

Between July 28 and October 20, 2021, soil excavation and sampling activities were conducted to remove the mercury impacted soil located within the former Teepee Burner area previously identified during the Phase II ESA at the Site.

The following sections describe the sequence of the soil excavation and confirmation sampling activities conducted at the Site where mercury exceeded the commercial screening level of 4.4 milligrams per kilogram (mg/kg). All analytical results for the confirmation soil samples collected from excavations and stockpiled soil samples are summarized in Tables 1 and 2.

Prior to soil removal activities, WKA marked the proposed excavation area and notified Underground Service Alert (USA) to obtain utility clearance more than 72 hours prior to beginning excavation activities. WKA used GIS mapping software to locate the excavation area at the Site. The excavation area was pre-loaded into a high-accuracy global positioning system receiver (GPSr). The high-precision GPSr was used to navigate to the excavation areas at the Site.

WKA contracted the services of Wilsons Backhoe and All Septic Service to excavate and stockpile the mercury impacted soil located at the Site at WKA's direction. Wilson Backhoe and All Septic Service used a backhoe to excavate and stockpile the impacted soil during excavation activities. Approximately 30 cubic yards of mercury-impacted soil was excavated from a 40-foot by 40-foot area to an approximate depth of six-inches below ground surface (bgs). The excavated soil was placed on and covered with 6-millimeter thick plastic sheeting. Subsequent to excavation activities soil samples CS1 through CS13 were collected from the bottom and sidewalls of the excavations to confirm the removal of the impacted soil. WKA used hand sampling methods and manual coring equipment to collect soil samples. The location of the

confirmation soil samples, and the lateral extent of the excavations were recorded in the field using a high accuracy GPSr. The locations of the excavation area and confirmation samples is shown in Figures 3.

All soil generated during excavation activities was placed on and covered with 6-milimeter plastic sheeting that was secured from movement by wind or rain. Soil samples STK1-A through STK1-H were also collected from the stockpiled soil.

Each soil sample was placed into a clean glass jar sealed using Teflon™-lined caps. WKA labeled each container to indicate a unique sample identification, sample location, and the time and date collected. The soil samples were preserved in a chilled, thermally insulated container during transport to the analytical laboratory with completed chain-of-custody forms.

5.0 LABORATORY ANALYSES

The soil samples collected from the bottom and sidewalls of the excavations and the stockpiled soil were submitted with completed chain-of-custody forms to California Laboratory Services (a State Water Resources Control Board-certified laboratory). Laboratory personnel were instructed to composite the discrete stockpile soil samples STK1-A through STK1-H using a 4:1 ratio to result in two composite stockpile samples.

Confirmation soil samples CS1 through CS13 were analyzed for mercury using EPA Method 7471A. Composite soil samples STK1-A-D and STK1-E-H were analyzed for CAM 17 Metals using Methods 6010B/6020/7471A.

The laboratory analytical report and chain-of-custody documentation is included in Appendix A.

6.0 FINDINGS

A summary of the analytical results of the confirmation soil samples are presented in Tables 1 and 2. A summary of the analytical results of the stockpile samples are presented in Table 3.

The laboratory analytical results for the confirmation soil samples were compared against the DTSC Human and Ecological Risk Office (HERO) Note 3 Screening Levels (DTSC-SL) and the US EPA Regional Screening Levels (USEPA-RSL) for protecting human health under a commercial land use scenario.

Results of laboratory analysis of the confirmation soil samples collected from the bottom and sidewalls of the excavation identified mercury concentrations ranging from 4.9 mg/kg to 0.13 mg/kg. With the exception of sidewall sample CS7 which had a reported mercury concentration of 4.9 mg/kg, the reported mercury concentrations are below the DTSC-SL of 4.4 mg/kg for commercial land use.

The concentrations of mercury reported in confirmation soil samples CS5 (1.8 mg/kg) and CS7 (4.9 mg/kg) were an order of magnitude greater than the other background samples. As a result of this anomaly, WKA requested California Laboratory Services extract three additional aliquots, respectively, from samples CS5 and CS7 for mercury analysis.

Results of the additional analysis identified mercury in the three aliquot samples extracted from CS5 at concentrations ranging from less than the reporting limit of 0.50 mg/kg to 0.59 mg/kg. Results of the additional analysis identified mercury in the three aliquot samples extracted from CS7 at concentrations ranging from 1.3 mg/kg to 2.7 mg/kg. The results of the additional aliquot samples are summarized in Table 2.

On October 20, 2021, additional soil was removed from the area of sample CS7 out of an abundance of caution. Soil sample CS13 was collected from the newly expanded sidewall and submitted to the laboratory for analysis of mercury. Mercury was reported in sample CS13 at a concentration of 0.35 mg/kg, which is below the DTSC-SL of 4.4 mg/kg for commercial land use. Coupling the result from CS13 with the individual aliquot results for CS7 above indicate that any elevated mercury-impacted soil was removed.

Ten of the CAM 17 metals were reported in composite samples STK1-A-D and STK1-E-H collected from the stockpiled soil. Barium, chromium, cobalt, copper, lead, mercury, nickel, silver, vanadium, and zinc were detected in the composite soil samples at concentrations exceeding their respective laboratory reporting limits.

7.0 SOIL DISPOSAL

WKA contracted the services of Wilsons Backhoe and All Septic Service to load-out, transport, and dispose of the mercury impacted soil at an appropriate licensed landfill. Before soil load-out and disposal activities, WKA provided Republic Services Chemical with the soil stockpile analytical data and a completed Special Waste Profile to establish waste characterization and acceptance approval for the stockpiled soil.

On June 15, 2022, Wilsons Backhoe and All Septic Service used a backhoe to load the approximate 30 cubic yards of stockpiled soil into 18 cubic yard trucks for transport to the disposal facility. Despite the stockpiles being stored on plastic sheeting, to be conservative, a few inches of native soil underlying each stockpile was additionally scraped and placed in the trucks to ensure all stockpiled soil was removed from the Site

The stockpiled soil was transported to Republic Services Forward Landfill located in Manteca, California, for disposal. A total of 19.57tons of soil was disposed of at Forward Landfill as a Class II designated non-hazardous waste.

The manifest documentation and tonnage reports for the stockpiled soil characterized as Class II Non-Hazardous Special Waste are presented in Appendix B.

8.0 CONCLUSIONS

The mercury impacted soil was excavated and stockpiled on site, characterized for disposal and transported to a landfill properly licensed to accept the material. A total of 19.57 tons of soil was transported to Republic Services' Forward Landfill located in Manteca, California for disposal at class II non-hazardous designated waste.

Based on the soil removal, results of confirmation soil sampling, and offsite disposal of the stockpiled soil, it is WKA's opinion that soils impacted with elevated concentrations of mercury has been removed from the Site to a level that is suitable for commercial land use consistent with applicable regulatory guidelines.

9.0 LIMITATIONS

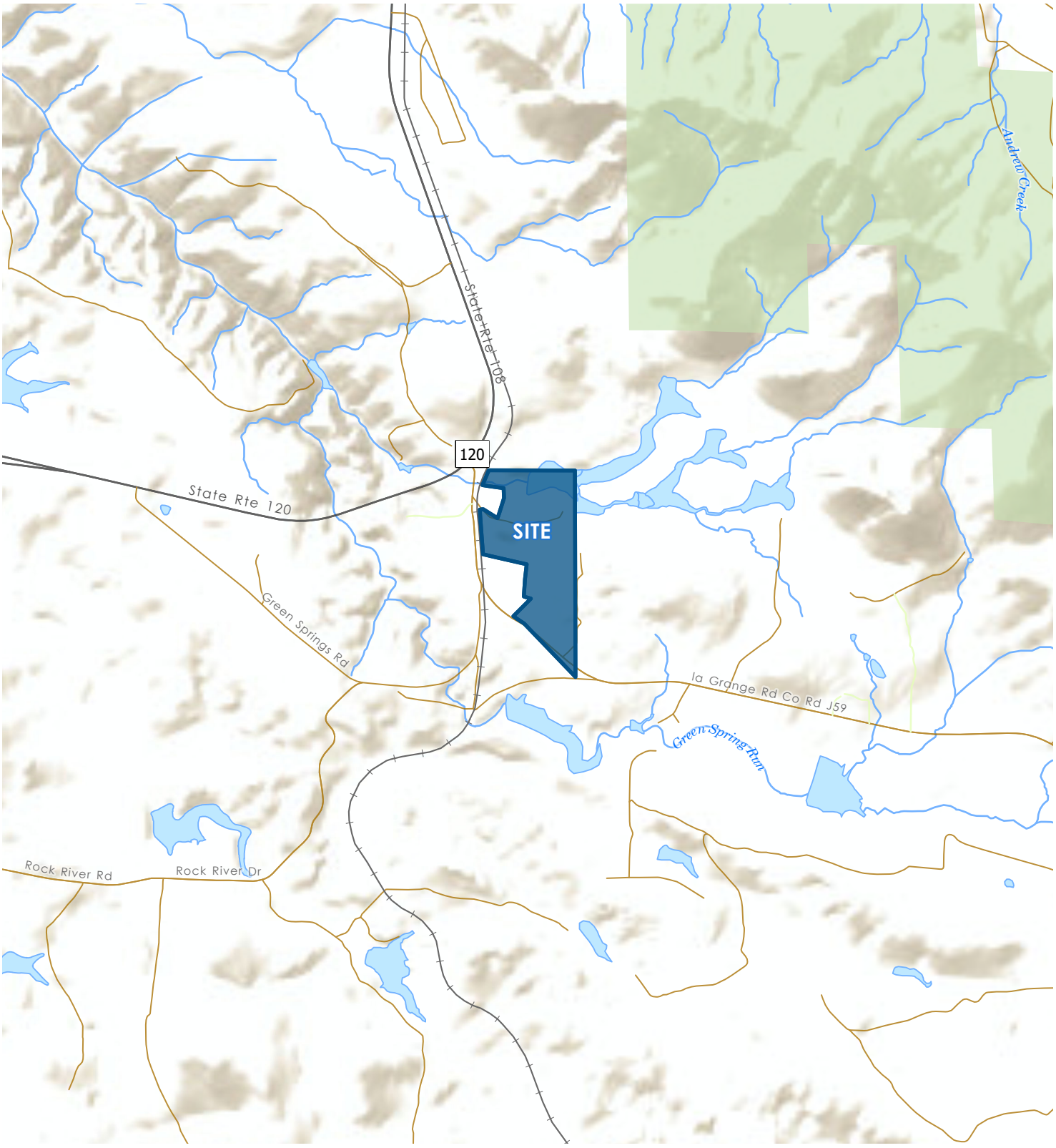
The statements and results presented in this report are based upon the scope of work described above and on observations made on the dates of WKA's applicable fieldwork. The summary report was prepared in a manner consistent with the level of care and skill ordinarily exercised by Professional Geologists. Work was performed using a degree of skill consistent with that of competent environmental consulting firms performing similar work in the area. No recommendation is made as to the suitability of the property for any purpose. The result of the investigation does not preclude the possibility that materials currently, or in the future, defined as hazardous are present on the site. This report is applicable only to the investigated site and should not be used for any other site. No warranty is expressed or implied.

10.0 REFERENCES

The State of California, Department of Toxic Substance Control (DTSC), 2019, Human Health Risk Assessment Note 3 – DTSC-Modified Screening Levels (DTSC-SLs), Table 1 Screening Levels for Soil. Revised May 2022
https://www.dtsc.ca.gov/AssessingRisk/upload/HHRA-Note-3-January-2018.pdf

United States Environmental Protection Agency. 2019. Region 9. Regional Screening Level (RSL) Summary Table, San Francisco. Revised May 2022.
https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables

FIGURES



Spatial Data provided by Esri, NOAA, and USGS.
Projection: NAD 1983 2011 StatePlane California III FIPS 0403 Ft US

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VICINITY MAP

12001 LA GRANGE ROAD PROPERTY

La Grange, California

FIGURE	1
DRAWN BY	RWO
CHECKED BY	KMB
PROJECT MGR	MAT
DATE	02/2022
WKA NO.	12774.04

Excavation Limits

Approximate Site Boundary

N

0 200 400

Feet

Aerial imagery provided by Esri.
Projection: NAD 1983 2011 StatePlane California III FIPS 0403 Ft US

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AERIAL SITE MAP

12001 LA GRANGE ROAD PROPERTY

La Grange, California

FIGURE	2
DRAWN BY	RWO
CHECKED BY	KMB
PROJECT MGR	MAT
DATE	02/2022
WKA NO.	12774.04

Approximate Confirmation Soil Sample Location

Excavation Limits

Structures

Approximate Site Boundary

N

0 10 20

Feet

Aerial imagery provided by Esri.
Projection: NAD 1983 StatePlane California III FIPS 0403 Feet

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SOIL EXCAVATION MAP

12001 LA GRANGE ROAD PROPERTY

La Grange, California

FIGURE	3
DRAWN BY	RWO
CHECKED BY	KMB
PROJECT MGR	MAT
DATE	02/2022
WKA NO.	12774.04

TABLES

Table 1
Summary of Soil Analytical Results for Mercury
12001 LA GRANGE ROAD PROPERTY
WKA No. 12774.04

Sample ID	Sample Date	Sample Depth (inches bgs)	EPA Method 7471A
			Mercury
Concentrations reported in milligrams per kilogram (mg/kg)			
CS1	7/28/2021	3	0.15
CS2	7/28/2021	3	0.13
CS3	7/28/2021	3	0.22
CS4	7/28/2021	3	<0.10
CS5	7/28/2021	3	1.8
CS6	7/28/2021	3	0.5
CS7*	7/28/2021	3	4.9
CS8	7/28/2021	3	0.37
CS9	7/28/2021	6 -12	0.14
CS10	7/28/2021	6 -12	0.21
CS11	7/28/2021	6 -12	0.18
CS12	7/28/2021	6 -12	0.25
CS13*	10/20/2021	3	0.35
DTSC-SL	Residential		1.0
	Commercial		4.4

Notes:

bgs - Below ground surface

mg/kg - milligrams per kilogram

DTSC-SL - Department of Toxic Substance Control's Human and Ecological Risk Office's Human Health Risk Assessment Note 3 Recommended Screening Levels for Constituents in Soil (June 2020)

* Additional soil was removed from the area of sample CS7 and sidewall

sample CS13 was collected from the newly expanded sidewall

Table 2
Summary of Soil Analytical Results for Mercury
12001 LA GRANGE ROAD PROPERTY
WKA No. 12774.04

Sample ID	Sample Date	Sample Depth (inches bgs)	EPA Method 7471A
			Mercury
Concentrations reported in milligrams per kilogram (mg/kg)			
CS5A	7/28/2021	3	<0.50
CS55	7/28/2021	3	0.59
CS5C	7/28/2021	3	0.53
CS7A	7/28/2021	3	1.90
CS7B	7/28/2021	3	1.3
CS7C	10/20/2021	3	2.70
DTSC-SL	Residential		1.0
	Commercial		4.4

Notes:

bgs - Below ground surface

mg/kg - milligrams per kilogram

DTSC-SL - Department of Toxic Substance Control's Human and Ecological Risk Office's Human Health Risk Assessment Note 3 Recommended Screening Levels for Constituents in Soil (June 2020)

Table 3
Summary of Soil Analytical Results CAM 17 Metals
12001 LA GRANGE ROAD PROPERTY
WKA No. 12774.04

Sample ID	Sample Date	EPA 6000/7000 Series Methods																
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Concentrations reported in milligrams per kilogram (mg/kg)																		
STK1-A-D	7/28/2021	<2.5	<1.0	46	<1.0	<1.0	27	18	110	6.1	0.32	<1.0	40	<2.5	3.0	<4.0	120	63
STK1-E-H	7/28/2021	<2.5	<1.0	41	<1.0	<1.0	27	19	110	6.8	1.9	<1.0	23	<2.5	3.0	<4.0	140	59

Notes:

APPENDIX A

Laboratory Analytical Reports
and
Chain-of-Custody Documentation

CALIFORNIA LABORATORY SERVICES
Committed. Responsive. Flexible.

August 04, 2021

CLS Work Order #: 21G1635
COC #:

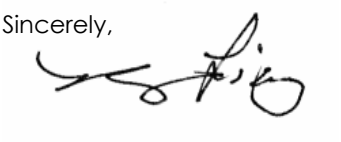
Matthew Taylor
Wallace Kuhl & Associates- West Sacramento
3050 Industrial Boulevard
West Sacramento, CA 95691

Project Name: 12001 La Grange Rd

Enclosed are the results of analyses for samples received by the laboratory on 07/28/21 17:00. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,



James Liang, Ph.D.
Laboratory Director

CA SWRCB ELAP Accreditation/Registration number 1233

Wallace Kuhl
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West Sacramento, CA 95691
Tel: 916.372.1434
Fax: 916.372.2565

Lab No. 21G1635 Page 1 of 1

WKA Carbon Copy addresses
kbalasek@wallace-kuhl.com
dnakamoto@wallace-kuhl.com

California EDF Report? ☐ Yes ☒ No

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Matthew Taylor
WKA Email Address: mtaylor@wallace-kuhl.com

Company / Address: see above		Recommended but not mandatory to complete this section: **Sampling Company Log Code:**
Phone No.: see above	**Fax No.:** see above	**Global ID:**
Project Number: 12774.04	**P.O. No.:**	**EDF Deliverable To (Email Address):**
Project Name: 12001 La Grange Rd		**Sampler Signature:**
Project Address:		

Analysis Request

TAT: ☐ 12Hr ☐ 24 Hr ☐ 48Hr ☐ 72 Hr ☐ 1 WK ☐ 2WK

For Lab Use Only

Sample Designation	Sampling: Date	Sampling: Time	Container: 500-mL Poly	Container: 250-mL Poly*	Container: 4-oz Glass Jar	Container: 500ml POLY	Container: AMBER	Preservative: HNO3	Preservative: H2SO4	Preservative: ICE	Matrix: WATER	Matrix: SOIL	Mercury
CS1	7/28/21	1142			X					X		X	X
CS2		1144			X					X		X	X
CS3		1146			X					X		X	X
CS4		1148			X					X		X	X
CS5		1150			X					X		X	X
CS6		1152			X					X		X	X
CS7		1154			X					X		X	X
CS8		1156			X					X		X	X
CS9		1158			X					X		X	X
CS10		1200			X					X		X	X
CS11		1202			X					X		X	X
CS12		1204			X					X		X	X

	Date	Time	Received by:
Relinquished by:	7/28/21	1700	
Relinquished by:			
Relinquished by:			Received by Laboratory: 7/28/21

Remarks:
Please notify the Project Manager and the WKA Carbon Copy addressees if the laboratory capacity, or any orther condition at the laboratory, may require a longer than requested turnaround time.

Please include chall@wallace-kuhl.com for delivery of results

Bill to: Wallace-Kuhl & Associates c/o
WKA Contact and swilliams@wallace-kuhl.com

1700
1.4

Wallace Kuhl & Associates- West Sacramento	Project:	12001 La Grange Rd	
3050 Industrial Boulevard	Project Number:	12774.04	**CLS Work Order #: 21G1635**
West Sacramento, CA 95691	Project Manager:	Matthew Taylor	COC #:

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CS1 (21G1635-01) Soil Sampled: 07/28/21 11:42 Received: 07/28/21 17:00									
Mercury	**0.15**	0.10	mg/kg	1	2106274	07/29/21	07/29/21	EPA 7471A	
CS2 (21G1635-02) Soil Sampled: 07/28/21 11:44 Received: 07/28/21 17:00									
Mercury	**0.13**	0.10	mg/kg	1	2106274	07/29/21	07/29/21	EPA 7471A	
CS3 (21G1635-03) Soil Sampled: 07/28/21 11:46 Received: 07/28/21 17:00									
Mercury	**0.22**	0.10	mg/kg	1	2106274	07/29/21	07/29/21	EPA 7471A	
CS4 (21G1635-04) Soil Sampled: 07/28/21 11:48 Received: 07/28/21 17:00									
Mercury	ND	0.10	mg/kg	1	2106274	07/29/21	07/29/21	EPA 7471A	
CS5 (21G1635-05) Soil Sampled: 07/28/21 11:50 Received: 07/28/21 17:00									
Mercury	**1.8**	0.50	mg/kg	5	2106274	07/29/21	07/29/21	EPA 7471A	
CS6 (21G1635-06) Soil Sampled: 07/28/21 11:52 Received: 07/28/21 17:00									
Mercury	**0.53**	0.10	mg/kg	1	2106274	07/29/21	07/29/21	EPA 7471A	
CS7 (21G1635-07) Soil Sampled: 07/28/21 11:54 Received: 07/28/21 17:00									
Mercury	**4.9**	1.0	mg/kg	10	2106274	07/29/21	07/29/21	EPA 7471A	
CS8 (21G1635-08) Soil Sampled: 07/28/21 11:56 Received: 07/28/21 17:00									
Mercury	**0.37**	0.10	mg/kg	1	2106274	07/29/21	07/29/21	EPA 7471A	
CS9 (21G1635-09) Soil Sampled: 07/28/21 11:58 Received: 07/28/21 17:00									
Mercury	**0.14**	0.10	mg/kg	1	2106274	07/29/21	07/29/21	EPA 7471A	

Wallace Kuhl & Associates- West Sacramento	Project:	12001 La Grange Rd	
3050 Industrial Boulevard	Project Number:	12774.04	**CLS Work Order #: 21G1635**
West Sacramento, CA 95691	Project Manager:	Matthew Taylor	COC #:

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CS10 (21G1635-10) Soil Sampled: 07/28/21 12:00 Received: 07/28/21 17:00									
Mercury	**0.21**	0.10	mg/kg	1	2106274	07/29/21	07/29/21	EPA 7471A	
CS11 (21G1635-11) Soil Sampled: 07/28/21 12:02 Received: 07/28/21 17:00									
Mercury	**0.18**	0.10	mg/kg	1	2106274	07/29/21	07/29/21	EPA 7471A	
CS12 (21G1635-12) Soil Sampled: 07/28/21 12:04 Received: 07/28/21 17:00									
Mercury	**0.25**	0.10	mg/kg	1	2106274	07/29/21	07/29/21	EPA 7471A	

Wallace Kuhl & Associates- West Sacramento	Project:	12001 La Grange Rd	
3050 Industrial Boulevard	Project Number:	12774.04	**CLS Work Order #: 21G1635**
West Sacramento, CA 95691	Project Manager:	Matthew Taylor	COC #:

Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2106274 - EPA 7471A										
Blank (2106274-BLK1)				Prepared & Analyzed: 07/29/21						
Mercury	ND	0.10	mg/kg							
LCS (2106274-BS1)				Prepared & Analyzed: 07/29/21						
Mercury	0.163	0.10	mg/kg	0.208		78	75-125			
Matrix Spike (2106274-MS1)	**Source: 21G1582-01**			Prepared & Analyzed: 07/29/21						
Mercury	0.161	0.10	mg/kg	0.208	0.0149	70	75-125			QM-5
Matrix Spike Dup (2106274-MSD1)	**Source: 21G1582-01**			Prepared & Analyzed: 07/29/21						
Mercury	0.172	0.10	mg/kg	0.208	0.0149	75	75-125	6	25	

Wallace Kuhl & Associates- West Sacramento	Project:	12001 La Grange Rd	
3050 Industrial Boulevard	Project Number:	12774.04	**CLS Work Order #: 21G1635**
West Sacramento, CA 95691	Project Manager:	Matthew Taylor	COC #:

Notes and Definitions

QM-5	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CALIFORNIA LABORATORY SERVICES
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August 18, 2021

CLS Work Order #: 21H0518
COC #: GREEN

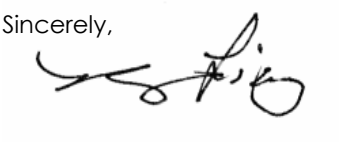
Matthew Taylor
Wallace Kuhl & Associates- West Sacramento
3050 Industrial Boulevard
West Sacramento, CA 95691

Project Name: 12001 La Grange Rd

Enclosed are the results of analyses for samples received by the laboratory on 08/09/21 09:45. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,



James Liang, Ph.D.
Laboratory Director

CA SWRCB ELAP Accreditation/Registration number 1233

MASTER COPY

2140518

CHANGE OF STATUS

Work Order # 21G1635

New Work Order X **Revise Existing Work Order** _____

Project Name: WEST SACRAMENTO - ~~[illegible]~~ 12001 LA GRANGE RD

Date Sample(s) Were Received: 7-28-21 **Original Date** _____

MATT TAYLOR (Client Contacted) **of** WKA (Company) **called/emailed**

On 8-9-21 (Date) **at** 0945 (Time)

… and requested the following:

CREATE THREE ALIQUOTS OF SAMPLE CS5 (-05) AND CS7 (-07) AND ANALYZE EACH FOR MERCURY 7471

Turnaround time requested for additional work: 5

(Signature) 8-9-21 (Date)

Updated lab job database and file folder by: _____

Cc: _____ _____ _____

Wallace Kuhl & Associates- West Sacramento	Project:	12001 La Grange Rd	
3050 Industrial Boulevard	Project Number:	12774.04	**CLS Work Order #: 21H0518**
West Sacramento, CA 95691	Project Manager:	Matthew Taylor	COC #: GREEN

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CS5 A (21H0518-13) Soil Sampled: 07/28/21 11:50 Received: 08/09/21 09:45									
Mercury	ND	0.50	mg/kg	25	2106617	08/09/21	08/10/21	EPA 7471A	
CS5 B (21H0518-14) Soil Sampled: 07/28/21 11:50 Received: 08/09/21 09:45									
Mercury	**0.59**	0.50	mg/kg	25	2106617	08/09/21	08/10/21	EPA 7471A	
CS5 C (21H0518-15) Soil Sampled: 07/28/21 11:50 Received: 08/09/21 09:45									
Mercury	**0.53**	0.50	mg/kg	25	2106617	08/09/21	08/10/21	EPA 7471A	
CS7 A (21H0518-16) Soil Sampled: 07/28/21 11:54 Received: 08/09/21 09:45									
Mercury	**1.9**	0.50	mg/kg	25	2106617	08/09/21	08/10/21	EPA 7471A	
CS7 B (21H0518-17) Soil Sampled: 07/28/21 11:54 Received: 08/09/21 09:45									
Mercury	**1.3**	0.50	mg/kg	25	2106617	08/09/21	08/10/21	EPA 7471A	
CS7 C (21H0518-18) Soil Sampled: 07/28/21 11:54 Received: 08/09/21 09:45									
Mercury	**2.7**	0.50	mg/kg	25	2106617	08/09/21	08/10/21	EPA 7471A	

Wallace Kuhl & Associates- West Sacramento	Project:	12001 La Grange Rd	
3050 Industrial Boulevard	Project Number:	12774.04	**CLS Work Order #: 21H0518**
West Sacramento, CA 95691	Project Manager:	Matthew Taylor	COC #: GREEN

Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2106617 - EPA 7471A										
Blank (2106617-BLK1)				Prepared: 08/09/21 Analyzed: 08/10/21						
Mercury	ND	0.10	mg/kg							
LCS (2106617-BS1)				Prepared: 08/09/21 Analyzed: 08/10/21						
Mercury	0.195	0.10	mg/kg	0.208		93	75-125			
Matrix Spike (2106617-MS1)		**Source: 21H0456-01**		Prepared: 08/09/21 Analyzed: 08/10/21						
Mercury	0.205	0.10	mg/kg	0.208		99	75-125			
Matrix Spike Dup (2106617-MSD1)		**Source: 21H0456-01**		Prepared: 08/09/21 Analyzed: 08/10/21						
Mercury	0.200	0.10	mg/kg	0.208		96	75-125	3	25	QM-5

Wallace Kuhl & Associates- West Sacramento	Project:	12001 La Grange Rd	
3050 Industrial Boulevard	Project Number:	12774.04	**CLS Work Order #: 21H0518**
West Sacramento, CA 95691	Project Manager:	Matthew Taylor	COC #: GREEN

Notes and Definitions

QM-5	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CALIFORNIA LABORATORY SERVICES
Committed. Responsive. Flexible.

October 28, 2021

CLS Work Order #: 21J1217
COC #:

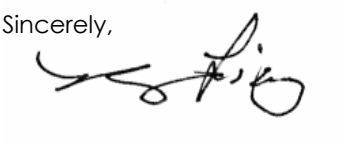
Matthew Taylor
Wallace Kuhl & Associates- West Sacramento
3050 Industrial Boulevard
West Sacramento, CA 95691

Project Name: 12001 La Grange Road Property

Enclosed are the results of analyses for samples received by the laboratory on 10/21/21 10:42. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,



James Liang, Ph.D.
Laboratory Director

CA SWRCB ELAP Accreditation/Registration number 1233

Wallace Kuhl & Associates
A Universal Engineering Sciences Company
3050 Industrial Blvd
West Sacramento, CA 95691
Tel: 916.372.1434
Fax: 916.372.2565

Lab No 21217

Page 1 of 1

Chain-of-Custody Record and Analysis Request

WKA Carbon Copy addresses
jrosenbery@wallace-kuhl.com
dnakamoto@wallace-kuhl.com

California EDF Report? ☐ Yes ☐ No

Project Manager (Hardcopy or PDF To):

WKA Email Address:

Company / Address: see above

Recommended but not mandatory to complete this section

Sampling Company Log Code:

Phone No.: see above | Fax No.: see above

Global ID:

Project Number: 12774.04 | P.O. No.:

EDF Deliverable To (Email Address):

Project Name: 12001 La Grange Rd Property

Sampler Signature:

Project Address:

Analysis of Request

TAT: 12Hr ○ 24 Hr ○ 48Hr ○ 72 Hr ○ 1WK ◉ 2WK ○

For Lab Use Only

Sample Designation	Sampling: Date	Sampling: Time	Container: 4 oz Jar	Container: 8 oz Jar	Container: SS Tube	Preservative: HNO3	Preservative: NaOH	Preservative: NH3/NH4	Preservative: HCl	Preservative: Ice	Matrix: WATER	Matrix: SOIL	Analysis of Request: Mercury EPA 7471A	TAT
CS13	10/21/21	0841	X							X		X	X	X

Relinquished by:	Date	Time	Received by:
	10/21/21	1042	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date 10/21/21	Time 1042	Received by Laboratory:

Remarks: 3.7/4.4

Bill to: Wallace-Kuhl & Associates c/o

WKA Contact and swilliams@wallace-kuhl.com

Wallace Kuhl & Associates- West Sacramento	Project:	12001 La Grange Road Property	
3050 Industrial Boulevard	Project Number:	12774.04	**CLS Work Order #: 21J1217**
West Sacramento, CA 95691	Project Manager:	Matthew Taylor	COC #:

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CS13 (21J1217-01) Soil Sampled: 10/20/21 08:41 Received: 10/21/21 10:42									
Mercury	**0.35**	0.10	mg/kg	1	2108967	10/26/21	10/26/21	EPA 7471A	

Wallace Kuhl & Associates- West Sacramento	Project:	12001 La Grange Road Property	
3050 Industrial Boulevard	Project Number:	12774.04	**CLS Work Order #: 21J1217**
West Sacramento, CA 95691	Project Manager:	Matthew Taylor	COC #:

Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2108967 - EPA 7471A										
Blank (2108967-BLK1)				Prepared & Analyzed: 10/26/21						
Mercury	ND	0.10	mg/kg							
LCS (2108967-BS1)				Prepared & Analyzed: 10/26/21						
Mercury	0.180	0.10	mg/kg	0.208		86	75-125			
Matrix Spike (2108967-MS1)		**Source: 21J1232-05**		Prepared & Analyzed: 10/26/21						
Mercury	0.263	0.10	mg/kg	0.208	0.0599	97	75-125			
Matrix Spike Dup (2108967-MSD1)		**Source: 21J1232-05**		Prepared & Analyzed: 10/26/21						
Mercury	0.247	0.10	mg/kg	0.208	0.0599	90	75-125	6	25	

Wallace Kuhl & Associates- West Sacramento	Project:	12001 La Grange Road Property	
3050 Industrial Boulevard	Project Number:	12774.04	**CLS Work Order #: 21J1217**
West Sacramento, CA 95691	Project Manager:	Matthew Taylor	COC #:

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CALIFORNIA LABORATORY SERVICES
Committed. Responsive. Flexible.

August 04, 2021

CLS Work Order #: 21G1637
COC #:

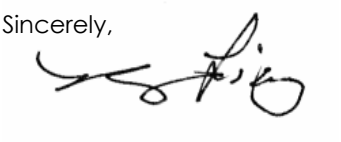
Matthew Taylor
Wallace Kuhl & Associates- West Sacramento
3050 Industrial Boulevard
West Sacramento, CA 95691

Project Name: 12001 La Grange Rd

Enclosed are the results of analyses for samples received by the laboratory on 07/28/21 17:00. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,



James Liang, Ph.D.
Laboratory Director

CA SWRCB ELAP Accreditation/Registration number 1233

Wallace Kuhl
3050 Industrial Blvd.
West Sacramento, CA 95691
Tel: 916.372.1434
Fax: 916.372.2565

Lab No. 21G1637 Page 1 of 1

WKA Carbon Copy addresses
kbalasek@wallace-kuhl.com
dnakamoto@wallace-kuhl.com

California EDF Report? ☐ Yes ☒ No

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Matthew Taylor
WKA Email Address: mtaylor@wallace-kuhl.com

Company / Address: see above

Recommended but not mandatory to complete this section:
Sampling Company Log Code:
Global ID:
EDF Deliverable To (Email Address):

Phone No.: see above **Fax No.:** see above
Project Number: 12774.04 **P.O. No.:**
Project Name: 12001 La Grange Rd
Sampler Signature:
Project Address:

Analysis Request

CAM 17 Metals

TAT: ☐ 12Hr ☐ 24 Hr ☐ 48Hr ☐ 72 Hr ☐ 1 WK ☐ 2WK

For Lab Use Only

Sample Designation	Date	Time	Sampling	Container: 500-mL Poly	250-mL Poly*	4-oz Glass Jar	500ml POLY	AMBER	Preservative: HNO3	H2SO4	ICE			Matrix: WATER	SOIL	
STKI-A	7/28/21	1205														
STKI-B		1206														
STKI-C		1207														
STKI-D		1208														
STKI-E		1209														
STKI-F		1210														
STKI-G		1211														
STKI-H		1212														

STKI-A
STKI-E-H

Relinquished by:	Date	Time	Received by:
	7/28/21	1700	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory: 7/28/21 1700

Remarks:
Please notify the Project Manager and the WKA Carbon Copy addressees if the laboratory capacity, or any orther condition at the laboratory, may require a longer than requested turnaround time.

~~Please include chall@wallace-kuhl.com for delivery of results~~

Bill to: Wallace-Kuhl & Associates c/o
WKA Contact and swilliams@wallace-kuhl.com

See 4:1 Composite Schedule of Sample Designation Chart

1.4

Wallace Kuhl & Associates- West Sacramento	Project:	12001 La Grange Rd	
3050 Industrial Boulevard	Project Number:	12774.04	**CLS Work Order #: 21G1637**
West Sacramento, CA 95691	Project Manager:	Matthew Taylor	COC #:

CAM 17 Metals

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
STKI-A-D (21G1637-05) Soil Sampled: 07/28/21 12:05 Received: 07/28/21 17:00									
Antimony	ND	2.5	mg/kg	1	2106377	08/03/21	08/03/21	EPA 6010B	
Arsenic	ND	1.0	"	"	"	"	"	"	
Barium	**46**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	**27**	1.0	"	"	"	"	"	"	
Cobalt	**18**	1.0	"	"	"	"	"	"	
Copper	**110**	1.0	"	"	"	"	"	"	
Lead	**6.1**	2.5	"	"	"	"	"	"	
Mercury	**0.32**	0.10	"	"	2106274	07/29/21	07/29/21	EPA 7471A	
Molybdenum	ND	1.0	"	"	2106377	08/03/21	08/03/21	EPA 6010B	
Nickel	**40**	1.0	"	"	"	"	"	"	
Selenium	ND	2.5	"	"	"	"	"	"	
Silver	ND	2.0	"	"	2106287	07/30/21	07/30/21	EPA 6020	
Silver	**3.0**	1.0	"	"	2106377	08/03/21	08/04/21	EPA 6010B	
Thallium	ND	4.0	"	"	"	"	08/03/21	"	
Vanadium	**120**	1.0	"	"	"	"	"	"	
Zinc	**63**	1.0	"	"	"	"	"	"	
STKI-E-H (21G1637-10) Soil Sampled: 07/28/21 12:09 Received: 07/28/21 17:00									
Antimony	ND	2.5	mg/kg	1	2106377	08/03/21	08/03/21	EPA 6010B	
Arsenic	ND	1.0	"	"	"	"	"	"	
Barium	**41**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	**27**	1.0	"	"	"	"	"	"	
Cobalt	**19**	1.0	"	"	"	"	"	"	
Copper	**110**	1.0	"	"	"	"	"	"	
Lead	**6.8**	2.5	"	"	"	"	"	"	
Mercury	**1.9**	0.50	"	5	2106274	07/29/21	07/29/21	EPA 7471A	
Molybdenum	ND	1.0	"	1	2106377	08/03/21	08/03/21	EPA 6010B	

Wallace Kuhl & Associates- West Sacramento	Project:	12001 La Grange Rd	
3050 Industrial Boulevard	Project Number:	12774.04	**CLS Work Order #: 21G1637**
West Sacramento, CA 95691	Project Manager:	Matthew Taylor	COC #:

CAM 17 Metals

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
STKI-E-H (21G1637-10) Soil Sampled: 07/28/21 12:09 Received: 07/28/21 17:00									
Nickel	**23**	1.0	mg/kg	1	2106377	"	08/03/21	EPA 6010B	
Selenium	ND	2.5	"	"	"	"	"	"	
Silver	ND	2.0	"	"	2106287	07/30/21	07/30/21	EPA 6020	
Silver	**3.0**	1.0	"	"	2106377	08/03/21	08/04/21	EPA 6010B	
Thallium	ND	4.0	"	"	"	"	08/03/21	"	
Vanadium	**140**	1.0	"	"	"	"	"	"	
Zinc	**59**	1.0	"	"	"	"	"	"	

Wallace Kuhl & Associates- West Sacramento	Project:	12001 La Grange Rd	
3050 Industrial Boulevard	Project Number:	12774.04	**CLS Work Order #: 21G1637**
West Sacramento, CA 95691	Project Manager:	Matthew Taylor	COC #:

CAM 17 Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2106274 - EPA 7471A										
Blank (2106274-BLK1)				Prepared & Analyzed: 07/29/21						
Mercury	ND	0.10	mg/kg							
LCS (2106274-BS1)				Prepared & Analyzed: 07/29/21						
Mercury	0.163	0.10	mg/kg	0.208		78	75-125			
Matrix Spike (2106274-MS1)		**Source: 21G1582-01**		Prepared & Analyzed: 07/29/21						
Mercury	0.161	0.10	mg/kg	0.208	0.0149	70	75-125			QM-5
Matrix Spike Dup (2106274-MSD1)		**Source: 21G1582-01**		Prepared & Analyzed: 07/29/21						
Mercury	0.172	0.10	mg/kg	0.208	0.0149	75	75-125	6	25	
Batch 2106287 - EPA 3050B										
Blank (2106287-BLK1)				Prepared & Analyzed: 07/30/21						
Silver	ND	2.0	mg/kg							
LCS (2106287-BS1)				Prepared & Analyzed: 07/30/21						
Silver	10.1	2.0	mg/kg	10.0		101	75-125			
Matrix Spike (2106287-MS1)		**Source: 21G1357-05**		Prepared & Analyzed: 07/30/21						
Silver	9.84	2.0	mg/kg	10.0	0.139	97	75-125			
Matrix Spike Dup (2106287-MSD1)		**Source: 21G1357-05**		Prepared & Analyzed: 07/30/21						
Silver	9.00	2.0	mg/kg	10.0	0.139	89	75-125	9	30	
Batch 2106377 - EPA 3050B										
Blank (2106377-BLK1)				Prepared & Analyzed: 08/03/21						
Antimony	ND	2.5	mg/kg							
Arsenic	ND	1.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	1.0	"							
Cobalt	ND	1.0	"							
Chromium	ND	1.0	"							

Wallace Kuhl & Associates- West Sacramento	Project:	12001 La Grange Rd	
3050 Industrial Boulevard	Project Number:	12774.04	**CLS Work Order #: 21G1637**
West Sacramento, CA 95691	Project Manager:	Matthew Taylor	COC #:

CAM 17 Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2106377 - EPA 3050B										
Blank (2106377-BLK1)				Prepared & Analyzed: 08/03/21						
Copper	ND	1.0	mg/kg							
Lead	ND	2.5	"							
Molybdenum	ND	1.0	"							
Nickel	ND	1.0	"							
Selenium	ND	2.5	"							
Silver	ND	1.0	"							
Thallium	ND	4.0	"							
Vanadium	ND	1.0	"							
Zinc	ND	1.0	"							
LCS (2106377-BS1)				Prepared & Analyzed: 08/03/21						
Antimony	92.8	2.5	mg/kg	100		93	75-125			
Arsenic	98.5	1.0	"	100		98	75-125			
Barium	90.4	1.0	"	100		90	75-125			
Beryllium	86.3	1.0	"	100		86	75-125			
Cadmium	97.9	1.0	"	100		98	75-125			
Cobalt	96.2	1.0	"	100		96	75-125			
Chromium	97.8	1.0	"	100		98	75-125			
Copper	95.7	1.0	"	100		96	75-125			
Lead	98.5	2.5	"	100		98	75-125			
Molybdenum	93.6	1.0	"	100		94	75-125			
Nickel	96.3	1.0	"	100		96	75-125			
Selenium	89.2	2.5	"	100		89	75-125			
Silver	49.2	1.0	"	50.0		98	75-125			
Thallium	97.4	4.0	"	100		97	75-125			
Vanadium	95.0	1.0	"	100		95	75-125			
Zinc	91.5	1.0	"	100		92	75-125			

Wallace Kuhl & Associates- West Sacramento	Project:	12001 La Grange Rd	
3050 Industrial Boulevard	Project Number:	12774.04	**CLS Work Order #: 21G1637**
West Sacramento, CA 95691	Project Manager:	Matthew Taylor	COC #:

CAM 17 Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2106377 - EPA 3050B										
Matrix Spike (2106377-MS1)	**Source: 21G1544-01**			Prepared & Analyzed: 08/03/21						
Antimony	32.5	2.5	mg/kg	100	ND	33	75-125			QM-5
Arsenic	97.1	1.0	"	100	12.7	84	75-125			
Barium	153	1.0	"	100	78.9	74	75-125			QM-5
Beryllium	74.0	1.0	"	100	0.231	74	75-125			QM-5
Cadmium	82.8	1.0	"	100	0.397	82	75-125			
Cobalt	85.0	1.0	"	100	6.01	79	75-125			
Chromium	104	1.0	"	100	21.9	82	75-125			
Copper	119	1.0	"	100	42.4	77	75-125			
Lead	173	2.5	"	100	94.7	79	75-125			
Molybdenum	76.7	1.0	"	100	ND	77	75-125			
Nickel	91.3	1.0	"	100	11.5	80	75-125			
Selenium	74.9	2.5	"	100	ND	75	75-125			
Silver	42.3	1.0	"	50.0	ND	85	75-125			
Thallium	76.0	4.0	"	100	ND	76	75-125			
Vanadium	106	1.0	"	100	27.8	78	75-125			
Zinc	135	1.0	"	100	59.5	75	75-125			
Matrix Spike Dup (2106377-MSD1)	**Source: 21G1544-01**			Prepared & Analyzed: 08/03/21						
Antimony	33.4	2.5	mg/kg	100	ND	33	75-125	3	30	QM-5
Arsenic	92.5	1.0	"	100	12.7	80	75-125	5	30	
Barium	144	1.0	"	100	78.9	65	75-125	6	30	QM-5
Beryllium	70.8	1.0	"	100	0.231	71	75-125	4	30	QM-5
Cadmium	78.2	1.0	"	100	0.397	78	75-125	6	30	
Cobalt	79.7	1.0	"	100	6.01	74	75-125	6	30	QM-5
Chromium	97.5	1.0	"	100	21.9	76	75-125	6	30	
Copper	115	1.0	"	100	42.4	72	75-125	4	30	QM-5
Lead	165	2.5	"	100	94.7	70	75-125	5	30	QM-5
Molybdenum	72.3	1.0	"	100	ND	72	75-125	6	30	QM-5
Nickel	85.3	1.0	"	100	11.5	74	75-125	7	30	QM-5
Selenium	70.3	2.5	"	100	ND	70	75-125	6	30	QM-5
Silver	41.3	1.0	"	50.0	ND	83	75-125	2	30	
Thallium	72.0	4.0	"	100	ND	72	75-125	5	30	QM-5

Wallace Kuhl & Associates- West Sacramento	Project:	12001 La Grange Rd	
3050 Industrial Boulevard	Project Number:	12774.04	**CLS Work Order #: 21G1637**
West Sacramento, CA 95691	Project Manager:	Matthew Taylor	COC #:

CAM 17 Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2106377 - EPA 3050B										
Matrix Spike Dup (2106377-MSD1)	**Source: 21G1544-01**			Prepared & Analyzed: 08/03/21						
Vanadium	98.6	1.0	mg/kg	100	27.8	71	75-125	7	30	QM-5
Zinc	135	1.0	"	100	59.5	76	75-125	0.4	30	

Wallace Kuhl & Associates- West Sacramento	Project:	12001 La Grange Rd	
3050 Industrial Boulevard	Project Number:	12774.04	**CLS Work Order #: 21G1637**
West Sacramento, CA 95691	Project Manager:	Matthew Taylor	COC #:

Notes and Definitions

QM-5	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

APPENDIX B

Non-Hazardous Special Waste Manifests Documentation and Tonnage Reports

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

1992664

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		

d. Generator's Name and Location:	e. Generator's Mailing Address:
Golden State Natural Resources, Inc. 12001 La Grange Road La Grange, CA 95329 f. Phone: 916-447-4806	Golden State Natural Resources, Inc. 1215 K Street, Suite 1650 Sacramento, CA 95814 g. Phone: 916-447-4806

If owner of the generating facility differs from the generator, provide:

h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
4204221088	1/11/2023	Soil	002	DT	14	CY

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Laura Hulet	Laura Hulet	6/15/2022

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: JOE COUER & SONS INC 19290 CA. 95379
CHEROKEE RD. TUOLUMNE

b. Phone: 209-928-4433

c. Driver Name (Print)	d. Signature	e. Date
JOE COUER	Joseph R. Couer	6-15-22

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
9999 S. Austin Rd Manteca, CA 95336 b. 209-982-4298		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
Laura Hulet	Laura Hulet	6/15/2022

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

REPUBLIC SERVICES

1992665

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		

d. Generator's Name and Location:	e. Generator's Mailing Address:
Golden State Natural Resources, Inc. 12001 La Grange Road La Grange, CA 95329	Golden State Natural Resources, Inc. 1215 K Street, Suite 1650 Sacramento, CA 95814
f. Phone: 916-447-4806	g. Phone: 916-447-4806
h. If owner of the generating facility differs from the generator, provide:	
j. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
4204221088	1/11/2023	Soil				

p. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

q. Generator Authorized Agent Name (Print)	r. Signature	s. Date

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:	
b. Phone:	

c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
8668 S. Austin Rd. Manteca, CA 95336 209-982-4298		

e. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent (Print)	g. Signature	h. Date

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

g. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

Ticket/Manifest

Date Range: 6/1/2022 to 6/15/2022
9962 to 9962
Facility : All Facility's
Inbound
Both 3rd Party and Intercompany
Detail

Ticket Date In	Ticket #	Vehicle ID	Weight In	Weight Out	Material	Tons	Tracking Qty	UOM	Contract		Reference	Bol	Time In	Time Out
Customer **9,962** WALLACE KUHL & ASSOCIATES														
Facility : Y8														
06/15/2022	1668606	JOE C10	48,200	30,600	SW-BENEFICIAL REUSE	8.80	18.00	YD	4204221088	SOIL		1992665	11:08 am	11:33 am
06/15/2022	1668611	COVER C4	53,120	31,580	SW-BENEFICIAL REUSE	10.77	10.00	YD	4204221088	SOIL		1992664	11:09 am	11:45 am
							Facility		**2**	**Tons :**	**19.57**	**Tracking**	**28.00**	
							Grand Totals		**2**	**Tons :**	**19.57**	**Tracking**	**28.00**	