Lead in Drinking Water Sampling Report

Woodside Elementary School

3195 Woodside Rd
Woodside, CA 94062

Prepared For:

Woodside Elementary School District
3195 Woodside Rd
Woodside, CA 94062

Prepared By:

Air & Water SCIENCES
Environmental Consultants
625 Second Street, Suite 210
Petaluma, CA 94952

December 2016

Chip Prokop, PE
DWTO T-1 #33506
WDO D-1 #42258

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Woodside Elementary School

Introduction

The Woodside Elementary School District (WESD) requested that the potable water at this school used for drinking and cooking by students and staff be tested for the presence of the heavy metal lead. Schools are not required under federal or state law to test potable water sources for lead if their water is supplied by a public water supply system. Federal regulation requires public water supply districts to test water for lead at select residential customer taps and to take corrective action if lead levels exceed the US Environmental Protection Agency (EPA) action level of 15 µg/L. The WESD recognizes that schools, particularly older facilities (pre-1990), may contain sources of lead in the plumbing pipes and fixtures which could contribute to lead levels in school drinking water. The presence of lead in drinking water can lead to adverse health effects in people, especially children. Therefore, AWS was requested to prepare a sampling plan to quantitatively assess the presence and/or amount of lead in the drinking water at schools within the district that were constructed before 1990.

Sources of Lead in Drinking Water at Schools

Lead can enter the drinking water at a school either by being present in the water entering the school from the municipal water source (i.e. public water supply agency) or through the plumbing system within the school where materials containing lead, such as lead pipes, lead solder and fluxes may be present. Stagnant water in the school pipes can have extended contact with lead containing materials and components. Due to these irregular use patterns elevated concentrations of lead could be present in the drinking water. Other factors such as the pH of the water and the temperature can also affect the rate at which lead is absorbed into the water.

Summary of Regulations to Reduce Lead in Drinking Water

In 1986 the Safe Water Drinking Act (SWDA) required the use of “lead-free” pipe, solder, and flux in the installation or repair of any public water system or any plumbing in a residential or non-residential facility providing water for human consumption. Solders and flux are considered to be lead-free when they contain less than 0.2% lead. Before this ban took effect on June 19, 1986, solders used to join water pipes typically contained about 50% lead. Pipes and pipe fittings were considered “lead-free” under the Lead Ban when they contained less than 8% lead. In January 2010, California enacted a law which reduced the maximum allowable lead content of pipes, pipe fittings, plumbing fittings and fixtures used to convey water for

human consumption to less than 0.25% lead of wetted surfaces as determined by a weighted average. On January 4, 2014 the "Reduction of Lead in Drinking Water Act", more commonly known as the Lead Free law, went into effect. This resulted in a national mandate requiring that every pipe, fixture, and fitting used to convey water for potable use contain less than 0.25% of lead by weight.

In 1988, the Lead Contamination Control Act (LCCA) was signed. This required the identification of water coolers that were not lead-free, the removal or repair of water coolers with lead lined tanks, banned the manufacture and sale of water coolers that are not lead-free and required the identification and resolution of lead problems in schools. The LCCA was aimed at secondary and primary schools, kindergartens, daycare centers, water cooler manufacturers and federal, state and local agencies.

In 1991 the Lead and Copper Rule (LCR) was signed into law. The LCR requires public water suppliers to monitor for lead and copper in drinking water at select residential dwellings supplied water by the public agency. If lead or copper are found above the EPA action levels, the water supply agency must provide corrosion treatment.

Lead Contaminant Levels in Drinking Water

The State of California and the City of Santa Rosa must comply with the LCR which sets the federal regulatory action level for lead in water at 15 µg/L for public water supply systems. The regulatory action level is the concentration of a contaminant which, when exceeded, triggers treatment or other requirements that a water system must follow.

The lead testing protocol specified by the LCR and used by public water systems is aimed at identifying system-wide problems rather than problems at outlets in individual buildings. The LCR for public water systems established the US EPA lead action level of 15 µg/L for one liter samples collected at high-risk residences. If more than 10 percent of the samples at residences exceed 15 µg/L, system-wide corrosion control treatment may be necessary. The 15 µg/L action level for public water systems is the trigger level for treatment.

The EPA guidance document for testing for lead in the potable water supply at schools is entitled "*3Ts for Reducing Lead in Drinking Water in Schools, Revised Technical Guidance, October 2006" (EPA 3Ts).* This document recommends that water fountains and/or other outlets used for consumption be taken out of service if lead levels exceed 20 µg/L. This is based on the collection of 250 mL first-draw samples (i.e., samples of water that have remained

stagnant for 8-18 hours prior to flushing or use occurs). The EPA recommends this first-draw sample combined with the 8-18 hour waiting period in order to maximize the likelihood that the highest concentrations of lead are found in the outlets being tested.

Although EPA recommends using a concentration of 20 µg/L as the trigger level to conduct additional testing to determine the source, AWS has recommended, with the school district's concurrence, to use exceedances of 15 µg/L lead in drinking water in the schools as the trigger point to take an outlet out of service and to perform additional testing to determine the source of lead.

Purpose and Scope of Work

The scope of work is to determine if the drinking water in the school contains elevated levels of the heavy metal lead (Pb). The scope of work includes:

- Collect drinking water samples from all high priority outlets.
- Record the manufacturer and model of any water coolers identified and compare them against the list of lead lined water coolers banned by EPA in 1990.
- Compare water sampling results to EPA action level of 15 µg/L for lead.
- Provide recommendations for additional sampling, if needed.

This sampling strategy, procedures and analytical tests were based on guidance provided by the *EPA 3Ts* guidance document.

Site Background

Woodside Elementary School (WES) is located at3195 Woodside Road, Woodside CA. The school serves children from Kindergarten through 8th grade.

Water Sampling Procedures

Water samples were collected from all high priority drinking water outlets at WES on November 30, 2016. High priority outlets are defined as those that are used regularly for cooking and drinking. These include, if present: drinking fountains (all types), kitchen sinks, classroom combination sinks with drinking fountains, and sinks in teachers' lounges, nurse's offices, and special education and/or home economics classrooms.

The day before sampling school representatives taped off all outlets selected for sampling using tape and plastic bags. This was done on a school day after 3:00PM. The water samples were collected by an AWS environmental scientist in accordance with the *EPA 3Ts* guidance document.

AWS collected a first-draw water sample from each selected outlet, with the exception of the service connection samples, between the hours of 6:00AM-9:00AM. A first-draw sample of water is the first to come out of the tap after a period of inactivity. This water was stagnant, meaning that the outlet was not used for at least eight hours prior to sampling. Since the selected outlets were taped off after the end of the previous school day the outlets had remained stagnant for a period between 8 and 18 hours.

Three (3) samples representative of the water service connection and the municipal water supply main were collected from the cold water outlet that was assumed to be closest to the service connection. Following the *EPA 3Ts* sampling guidelines these samples were not first-draw. The first sample was collected approximately 30 seconds after running the water and the second sample was collected after running the water for approximately three minutes. These samples should be representative of the water quality entering the facility from the service connection and the municipal water supply main, respectively. A duplicate sample was also collected from this outlet as a Quality Assurance/Quality Control (QA/QC) sample.

Samples were collected in a 250 milliliters (ml) laboratory provided container. The sample size is representative of a smaller section of plumbing primarily associated with the fixture providing the water and, therefore, more effective in identifying the source if elevated lead levels are identified. A smaller sample is also more representative of the water serving size consumed by a child.

Samples were each given a unique sampling identification number. The sample location, date, time of collection and the type of outlet were recorded, and are shown on the attached chain-of-custody (COC), proceeded by the attached laboratory report.

AWS collected a total of 50 primary (first-draw) samples from high-priority faucets and drinking water fountains from WES. In addition, three (3) flush samples were collected from the outlet assumed closest to the service connection. These included: one (1) 30 second flush sample, one (1) 3 minute flush sample and one (1) field duplicate of the 3 minute flush sample for QA/QC. The sample locations and types of samples collected are shown on the attached table (Table 1) and the attached figure (Figure 1).

Analytical Methods

Samples were delivered by courier to Alpha Analytical Laboratories in Ukiah, California under standard chain-of-custody procedures. This laboratory is certified by the State of California as part of the Environmental Laboratory Accreditation Program (ELAP# 1551). Water samples were analyzed for lead (Pb) by EPA Method 200.8 which is the determination of trace elements in waters and wastes by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS). The reporting limit as determined by the laboratory is 4 µg/L.

Analytical Results

The analytical results from the testing are shown on the attached table (Table 1). All of the samples collected from this site were below both the EPA's action level of 15 µg/L for lead in public water supply systems and the EPA's 20 µg/L recommendation for lead in school drinking water.

There were no water coolers observed at this school which were banned by EPA in 1990 due to lead lining of the tanks.

Conclusions and Recommendations

As mentioned above, the *EPA 3Ts* guidance document recommends that the sample results should be below 20 µg/L in all outlets that provide drinking or cooking water and that remedial measures be implemented to reduce or eliminate lead sources in outlets that exceed 20 µg/L. The EPA's action level for lead in public water supply systems is 15 µg/L and is used as a trigger to determine when system-wide corrosion control treatment may be necessary. AWS has recommended, with the school district's concurrence, to use exceedances of 15 µg/L lead in drinking water in the schools as the trigger point to take an outlet out of service and to perform additional testing to determine the source.

None of the samples collected at the school site exceeded the EPA action level of 15 µg/L, therefore, no additional testing is warranted at this time.

It is recommended that periodic monitoring of the outlets be performed at all of the schools built before 1990 to ensure that the older suspected lead containing fixtures and solders do not leach into the drinking water supply in the future.

The presence of aerators may contribute to lead in the water if lead-bearing solids have accumulated over time on the aerator; therefore it is also recommended that all aerators in the school be put on a regular maintenance schedule which includes the removal and cleaning of the aerator or the removal and replacement of the aerator if needed.

Limitations

The conclusions and results contained herein are based solely on the information presented in this report. Additional information or contamination that was hidden, undiscovered, inaccessible, or are not a part of the finding presented herein, would result in the modification of the conclusions and recommendations of this report. Any remediation guidelines are minimum general guidelines based solely on the findings contained herein and are not to be considered a complete or detailed set of remediation specifications. AWS is not responsible for the accuracy of information provided by others, or for conditions or consequences arising from relevant facts that were withheld, concealed, undiscovered or not fully disclosed.

The scope of services provided by AWS was limited to the sampling of drinking water outlets identified in this report. Drinking water outlets, hazardous materials or controlled substances not specifically mentioned in this report were not evaluated. AWS is not qualified to present medical advice. If any present or future health issues are in question, it is recommended that the findings in this report be presented to a qualified medical professional for evaluation. AWS is not a law firm and, therefore, makes no representations regarding any potential liability of any person or entity for site conditions.

References

3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance
United States Environmental Protection Agency, October 2006.

Drinking Water Best Management Practices, United States Environmental Protection Agency, April 2013

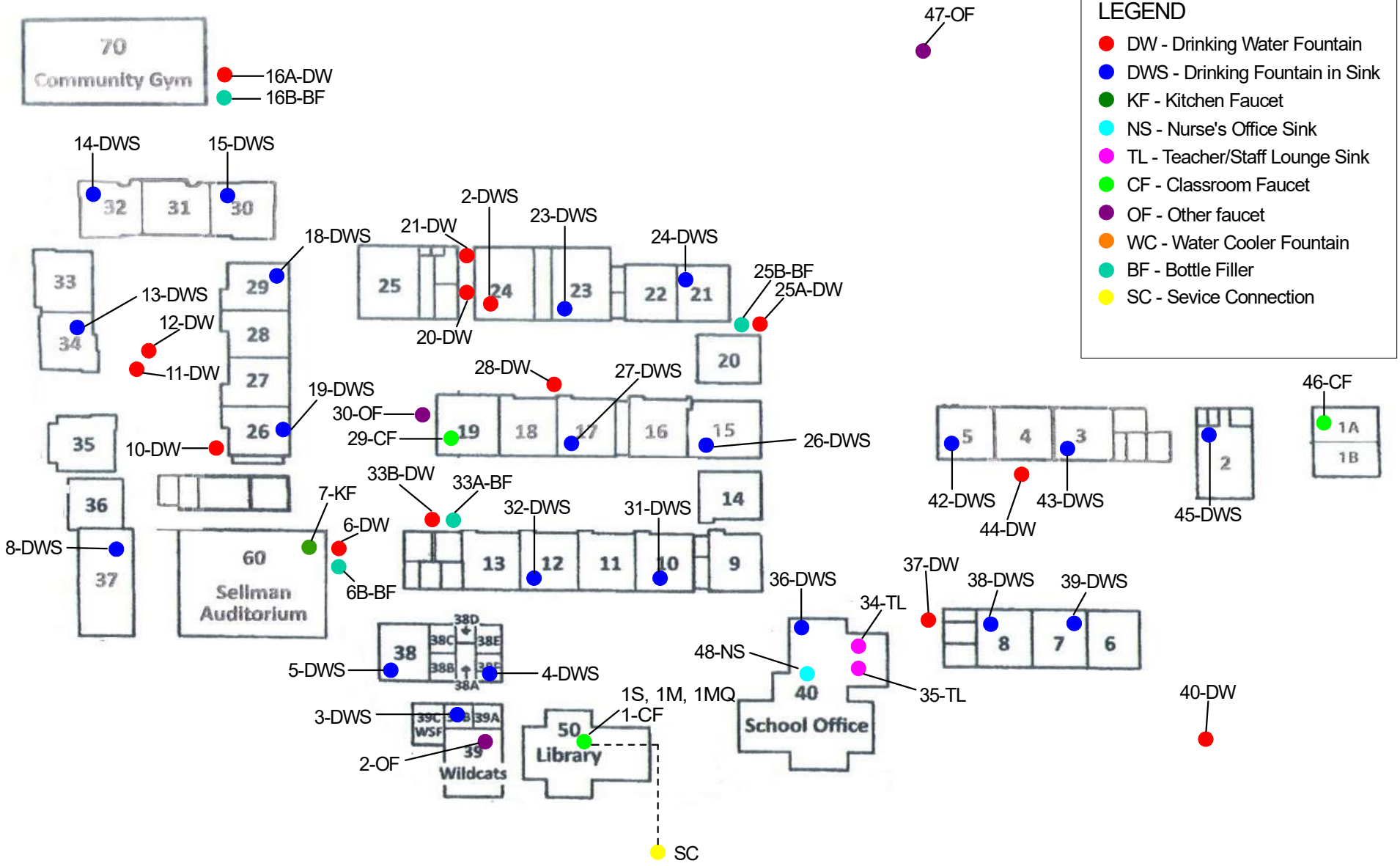
LEGEND
DW - Drinking Water Fountain
DWS - Drinking Fountain in Sink
KF - Kitchen Faucet
NS - Nurse's Office Sink
TL - Teacher/Staff Lounge Sink
CF - Classroom Faucet
OF - Other faucet
WC - Water Cooler Fountain
BF - Bottle Filler
SC - Sevice Connection
70 Community Gym
16A-DW
16B-BF
47-OF
14-DWS
15-DWS
2-DWS
21-DW
23-DWS
24-DWS
18-DWS
25B-BF
25A-DW
13-DWS
12-DW
11-DW
20-DW
28-DW
27-DWS
19-DWS
30-OF
29-CF
26-DWS
10-DW
46-CF
33B-DW
33A-BF
7-KF
6-DW
6B-BF
42-DWS
44-DW
43-DWS
45-DWS
8-DWS
60 Sellman Auditorium
32-DWS
31-DWS
36-DWS
37-DW
38-DWS
39-DWS
34-TL
48-NS
35-TL
5-DWS
4-DWS
1S, 1M, 1MQ
1-CF
3-DWS
2-OF
40-DW
SC
WOODSIDE ELEMENTARY SCHOOL
3195 Woodside Rd
Woodside, CA 94062
BASEMAP: WOODSIDE SCHOOL DISTRICT
FIGURE 1
LEAD IN WATER SAMPLING LOCATION MAP
PROJECT NO 1783
Air & Water SCIENCES
Environmental Consultants

Table 1
Initial Sampling-Analytical Results
Lead (Pb) in Drinking Water
Woodside Elementary
November 30, 2016

Sample ID Number	Type of Outlet	Sample Location	Type of Sample	Lead (Pb) (µg/L)
WES-1-CF-P	Faucet	Library	Flush (30 sec)	13
WES-1S-CF-F	Faucet	Library	Flush (3 min)	13
WES-1M-CF-F	Faucet	Library	Flush (3 min) Field QA/QC	ND
WES-1MQ-CF-F	Faucet	Library	First draw	ND
WES-36-DWS-P	Drinking water fountain in sink	School office	First draw	4.6
WES-48-NS-P	Faucet	Nurse's station	First draw	ND
WES-34-TL-P	Faucet	Staff room	First draw	ND
WES-35-TL-P	Faucet	Staff room	First draw	ND
WES-37-DW-P	Drinking water fountain	Outside (near Room 8)	First draw	ND
WES-38-DWS-P	Drinking water fountain in sink	Room 8	First draw	ND
WES-39-DWS-P	Drinking water fountain in sink	Room 7	First draw	ND
WES-46-CF-P	Faucet	Room 1 A	First draw	ND
WES-45-DWS-P	Drinking water fountain in sink	Room 2	First draw	ND
WES-43-DWS-P	Drinking water fountain in sink	Room 3	First draw	ND
WES-42-DWS-P	Drinking water fountain in sink	Room 5	First draw	ND
WES-44-DW-P	Drinking water fountain	Outside (next to Room 4)	First draw	ND
WES-40-DW-P	Drinking water fountain	Outside (front of school)	First draw	5.0
WES-31-DWS-P	Drinking water fountain in sink	Room 10	First draw	ND
WES-32-DWS-P	Drinking water fountain in sink	Room 12	First draw	ND
WES-33A-BF-P	Drinking water fountain in sink	Outside (near Room 13)	First draw	ND
WES-33B-DW-P	Drinking fountain	Outside (near Room 13)	First draw	ND
WES-6-DW-P	Drinking water fountain	Outside (next to Auditorium)	First draw	ND
WES-6B-BF-P	Bottle filler	Outside (next to Auditorium)	First draw	ND
WES-7-KF-P	Faucet	Sellman Auditorium	First draw	ND
WES-8-DWS-P	Drinking water fountain in sink	Room 37	First draw	ND
WES-10-DW-P	Drinking water fountain	Outside (next to Room 26)	First draw	ND

Notes:
1) First draw = inital sample. Flush = collected after water running for time indicated.
2) EPA Action Level: >15 ug/L (public water supply); >20 ug/L
3) ND= None detected
4) Samples analyzed by EPA Method 200.8 (reporting limit 4 ug/L)

Table 1
Initial Sampling-Analytical Results
Lead (Pb) in Drinking Water
Woodside Elementary
November 30, 2016

Sample ID Number	Type of Outlet	Sample Location	Type of Sample	Lead (Pb) (µg/L)
WES-19-DWS-P	Drinking water fountain in sink	Room 26	First draw	ND
WES-18-DWS-P	Drinking water fountain in sink	Room 29	First draw	ND
WES-13-DWS-P	Drinking water fountain in sink	Room 34	First draw	ND
WES-11-DW-P	Drinking water fountain	Outside (near Room 34)	First draw	ND
WES-12-DW-P	Drinking water fountain	Outside (near Room 34)	First draw	ND
WES-14-DWS-P	Drinking water fountain in sink	Room 32	First draw	ND
WES-15-DWS-P	Drinking water fountain in sink	Room 30	First draw	ND
WES-16A-DW-P	Drinking water fountain	Outside (next to Gym)	First draw	ND
WES-16B-BF-P	Bottle filler	Outside (next to Gym)	First draw	ND
WES-21-DW-P	Drinking water fountain in sink	Outside (next to Room 24)	First draw	ND
WES-20-DW-P	Drinking water fountain in sink	Outside (next to Room 24)	First draw	ND
WES-2-DWS-P	Drinking water fountain in sink	Room 24	First draw	ND
WES-23-DWS-P	Drinking water fountain in sink	Room 23	First draw	ND
WES-25A-DW-P	Faucet	Outside (next to Room 20)	First draw	ND
WES-25B-BF-P	Bottle filler	Outside (next to Room 20)	First draw	ND
WES-30-OF-P	Faucet	Outside (next to Room 19)	First draw	ND
WES-29-CF-P	Faucet	Room 19	First draw	ND
WES-27-DWS-P	Drinking water fountain in sink	Room 17	First draw	ND
WES-28-DW-P	Drinking water fountain	Outside (next to Rooms 18, 17)	First draw	ND
WES-26-DWS-P	Drinking water fountain in sink	Room 15	First draw	9.2
WES-47-OF-P	Faucet	Outside (back of school)	First draw	ND
WES-5-DWS-P	Drinking water fountain in sink	Room 38	First draw	ND
WES-4-DWS-P	Drinking water fountain in sink	Room 38 F	First draw	ND
WES-3-DWS-P	Drinking water fountain in sink	Room 39 B	First draw	ND
WES-2-OF-P	Faucet	Room 39	First draw	7.6
WES-24-DWS-P	Drinking water fountain in sink	Room 21	First draw	ND

Notes:
1) First draw = inital sample. Flush = collected after water running for time indicated.
2) EPA Action Level: >15 ug/L (public water supply); >20 ug/L
3) ND= None detected
4) Samples analyzed by EPA Method 200.8 (reporting limit 4 ug/L)

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e-mail: clientservices@alpha-labs.com
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Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 • Phone: (916) 686-5190 • Fax: (916) 686-5192

ELAP Certificates 1551, 2728, and 2922

15 December 2016

Air & Water Sciences
Attn: Aniko Molnar
625 2nd Street, Suite 210
Petaluma, CA 94952
RE: Lead Monitoring Project
Work Order: 16L0002

Enclosed are the results of analyses for samples received by the laboratory on 11/30/16 20:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette Poplin

Jeanette L. Poplin For Robbie C. Phillips
Project Manager

Alpha Analytical Laboratories Inc.
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Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 • Phone: (916) 686-5190 • Fax: (916) 686-5192

Air & Water Sciences	Project Manager: Aniko Molnar	
625 2nd Street, Suite 210	Project: Lead Monitoring Project	Reported:
Petaluma, CA 94952	Project Number: WSD/Woodside ES	12/15/16 15:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WES-1-CF-P	16L0002-01	Water	11/30/16 05:29	11/30/16 20:50
WES-1S-CF-F	16L0002-02	Water	11/30/16 05:30	11/30/16 20:50
WES-1M-CF-F	16L0002-03	Water	11/30/16 05:33	11/30/16 20:50
WES-1MQ-CF-F	16L0002-04	Water	11/30/16 05:33	11/30/16 20:50
WES-36-DWS-P	16L0002-05	Water	11/30/16 05:40	11/30/16 20:50
WES-48-NS-P	16L0002-06	Water	11/30/16 05:43	11/30/16 20:50
WES-34-TL-P	16L0002-07	Water	11/30/16 05:46	11/30/16 20:50
WES-35-TL-P	16L0002-08	Water	11/30/16 05:46	11/30/16 20:50
WES-37-DW-P	16L0002-09	Water	11/30/16 05:49	11/30/16 20:50
WES-38-DWS-P	16L0002-10	Water	11/30/16 05:50	11/30/16 20:50
WES-39-DWS-P	16L0002-11	Water	11/30/16 06:00	11/30/16 20:50
WES-46-CF-P	16L0002-12	Water	11/30/16 06:02	11/30/16 20:50
WES-45-DWS-P	16L0002-13	Water	11/30/16 06:03	11/30/16 20:50
WES-43-DWS-P	16L0002-14	Water	11/30/16 06:04	11/30/16 20:50
WES-42-DWS-P	16L0002-15	Water	11/30/16 06:05	11/30/16 20:50
WES-44-DW-P	16L0002-16	Water	11/30/16 06:06	11/30/16 20:50
WES-40-DW-P	16L0002-17	Water	11/30/16 06:07	11/30/16 20:50
WES-31-DWS-P	16L0002-18	Water	11/30/16 06:12	11/30/16 20:50
WES-32-DWS-P	16L0002-19	Water	11/30/16 06:15	11/30/16 20:50
WES-33A-BF-P	16L0002-20	Water	11/30/16 06:16	11/30/16 20:50
WES-6-DW-P	16L0002-21	Water	11/30/16 06:17	11/30/16 20:50
WES-7-KF-P	16L0002-22	Water	11/30/16 06:20	11/30/16 20:50
WES-8-DWS-P	16L0002-23	Water	11/30/16 06:21	11/30/16 20:50
WES-10-DW-P	16L0002-24	Water	11/30/16 06:23	11/30/16 20:50
WES-19-DWS-P	16L0002-25	Water	11/30/16 06:30	11/30/16 20:50
WES-18-DWS-P	16L0002-26	Water	11/30/16 06:32	11/30/16 20:50
WES-13-DWS-P	16L0002-27	Water	11/30/16 06:34	11/30/16 20:50
WES-11-DW-P	16L0002-28	Water	11/30/16 06:37	11/30/16 20:50

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Air & Water Sciences	Project Manager: Aniko Molnar	
625 2nd Street, Suite 210	Project: Lead Monitoring Project	Reported:
Petaluma, CA 94952	Project Number: WSD/Woodside ES	12/15/16 15:04

WES-12-DW-P	16L0002-29	Water	11/30/16 06:38	11/30/16 20:50
WES-14-DWS-P	16L0002-30	Water	11/30/16 06:40	11/30/16 20:50
WES-15-DWS-P	16L0002-31	Water	11/30/16 06:42	11/30/16 20:50
WES-16A-DW-P	16L0002-32	Water	11/30/16 06:43	11/30/16 20:50
WES-21-DW-P	16L0002-33	Water	11/30/16 06:44	11/30/16 20:50
WES-20-DW-P	16L0002-34	Water	11/30/16 06:45	11/30/16 20:50
WES-2-DWS-P	16L0002-35	Water	11/30/16 06:50	11/30/16 20:50
WES-23-DWS-P	16L0002-36	Water	11/30/16 06:52	11/30/16 20:50
WES-25A-DW-P	16L0002-37	Water	11/30/16 07:06	11/30/16 20:50
WES-25B-BF-P	16L0002-38	Water	11/30/16 07:06	11/30/16 20:50
WES-33B-DW-P	16L0002-39	Water	11/30/16 07:09	11/30/16 20:50
WES-16B-BF-P	16L0002-40	Water	11/30/16 07:08	11/30/16 20:50
WES-6B-BF-P	16L0002-41	Water	11/30/16 07:12	11/30/16 20:50
WES-30-OF-P	16L0002-42	Water	11/30/16 07:14	11/30/16 20:50
WES-29-CF-P	16L0002-43	Water	11/30/16 07:16	11/30/16 20:50
WES-27-DWS-P	16L0002-44	Water	11/30/16 07:25	11/30/16 20:50
WES-28-DW-P	16L0002-45	Water	11/30/16 07:27	11/30/16 20:50
WES-26-DWS-P	16L0002-46	Water	11/30/16 07:30	11/30/16 20:50
WES-47-OF-P	16L0002-47	Water	11/30/16 07:32	11/30/16 20:50
WES-5-DWS-P	16L0002-48	Water	11/30/16 07:40	11/30/16 20:50
WES-4-DWS-P	16L0002-49	Water	11/30/16 07:50	11/30/16 20:50
WES-3-DWS-P	16L0002-50	Water	11/30/16 07:58	11/30/16 20:50
WES-2-OF-P	16L0002-51	Water	11/30/16 07:59	11/30/16 20:50
WES-24-DWS-P	16L0002-52	Water	11/30/16 06:55	11/30/16 20:50

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Air & Water Sciences	Project Manager: Aniko Molnar	
625 2nd Street, Suite 210	Project: Lead Monitoring Project	Reported:
Petaluma, CA 94952	Project Number: WSD/Woodside ES	12/15/16 15:04

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
WES-1-CF-P (16L0002-01)		**Sample Type: Water**				**Sampled: 11/30/16 05:29**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	**13 ug/L**	**4.0**	1	AL63162	12/06/16 09:34	12/07/16 00:05	EPA 200.8	C-04
WES-1S-CF-F (16L0002-02)		**Sample Type: Water**				**Sampled: 11/30/16 05:30**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	**13 ug/L**	**4.0**	1	AL63162	12/06/16 09:34	12/07/16 00:09	EPA 200.8	C-04
WES-1M-CF-F (16L0002-03)		**Sample Type: Water**				**Sampled: 11/30/16 05:33**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63162	12/06/16 09:34	12/07/16 00:13	EPA 200.8	
WES-1MQ-CF-F (16L0002-04)		**Sample Type: Water**				**Sampled: 11/30/16 05:33**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63162	12/06/16 09:34	12/07/16 00:18	EPA 200.8	
WES-36-DWS-P (16L0002-05)		**Sample Type: Water**				**Sampled: 11/30/16 05:40**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	**4.6 ug/L**	**4.0**	1	AL63162	12/06/16 09:34	12/07/16 00:22	EPA 200.8	
WES-48-NS-P (16L0002-06)		**Sample Type: Water**				**Sampled: 11/30/16 05:43**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63162	12/06/16 09:34	12/07/16 00:27	EPA 200.8	
WES-34-TL-P (16L0002-07)		**Sample Type: Water**				**Sampled: 11/30/16 05:46**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63162	12/06/16 09:34	12/07/16 00:31	EPA 200.8	
WES-35-TL-P (16L0002-08)		**Sample Type: Water**				**Sampled: 11/30/16 05:46**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63162	12/06/16 09:34	12/06/16 22:46	EPA 200.8	
WES-37-DW-P (16L0002-09)		**Sample Type: Water**				**Sampled: 11/30/16 05:49**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63164	12/06/16 09:39	12/07/16 19:34	EPA 200.8	
WES-38-DWS-P (16L0002-10)		**Sample Type: Water**				**Sampled: 11/30/16 05:50**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63164	12/06/16 09:39	12/07/16 19:38	EPA 200.8	
WES-39-DWS-P (16L0002-11)		**Sample Type: Water**				**Sampled: 11/30/16 06:00**		

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Air & Water Sciences	Project Manager: Aniko Molnar	
625 2nd Street, Suite 210	Project: Lead Monitoring Project	Reported:
Petaluma, CA 94952	Project Number: WSD/Woodside ES	12/15/16 15:04

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
WES-39-DWS-P (16L0002-11)		**Sample Type: Water**				**Sampled: 11/30/16 06:00**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63164	12/06/16 09:39	12/07/16 19:42	EPA 200.8	
WES-46-CF-P (16L0002-12)		**Sample Type: Water**				**Sampled: 11/30/16 06:02**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63164	12/06/16 09:39	12/07/16 19:47	EPA 200.8	
WES-45-DWS-P (16L0002-13)		**Sample Type: Water**				**Sampled: 11/30/16 06:03**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63164	12/06/16 09:39	12/07/16 19:51	EPA 200.8	
WES-43-DWS-P (16L0002-14)		**Sample Type: Water**				**Sampled: 11/30/16 06:04**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63164	12/06/16 09:39	12/07/16 19:55	EPA 200.8	
WES-42-DWS-P (16L0002-15)		**Sample Type: Water**				**Sampled: 11/30/16 06:05**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63164	12/06/16 09:39	12/07/16 19:59	EPA 200.8	
WES-44-DW-P (16L0002-16)		**Sample Type: Water**				**Sampled: 11/30/16 06:06**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63164	12/06/16 09:39	12/07/16 20:16	EPA 200.8	
WES-40-DW-P (16L0002-17)		**Sample Type: Water**				**Sampled: 11/30/16 06:07**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	**5.0 ug/L**	**4.0**	1	AL63164	12/06/16 09:39	12/07/16 20:20	EPA 200.8	
WES-31-DWS-P (16L0002-18)		**Sample Type: Water**				**Sampled: 11/30/16 06:12**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63164	12/06/16 09:39	12/07/16 20:24	EPA 200.8	
WES-32-DWS-P (16L0002-19)		**Sample Type: Water**				**Sampled: 11/30/16 06:15**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63164	12/06/16 09:39	12/07/16 20:28	EPA 200.8	
WES-33A-BF-P (16L0002-20)		**Sample Type: Water**				**Sampled: 11/30/16 06:16**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63164	12/06/16 09:39	12/07/16 20:32	EPA 200.8	
WES-6-DW-P (16L0002-21)		**Sample Type: Water**				**Sampled: 11/30/16 06:17**		

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Air & Water Sciences	Project Manager: Aniko Molnar	
625 2nd Street, Suite 210	Project: Lead Monitoring Project	Reported:
Petaluma, CA 94952	Project Number: WSD/Woodside ES	12/15/16 15:04

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
WES-6-DW-P (16L0002-21)		**Sample Type: Water**				**Sampled: 11/30/16 06:17**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63164	12/06/16 09:39	12/07/16 20:36	EPA 200.8	
WES-7-KF-P (16L0002-22)		**Sample Type: Water**				**Sampled: 11/30/16 06:20**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63164	12/06/16 09:39	12/07/16 20:41	EPA 200.8	
WES-8-DWS-P (16L0002-23)		**Sample Type: Water**				**Sampled: 11/30/16 06:21**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63164	12/06/16 09:39	12/07/16 20:45	EPA 200.8	
WES-10-DW-P (16L0002-24)		**Sample Type: Water**				**Sampled: 11/30/16 06:23**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63164	12/06/16 09:39	12/07/16 20:49	EPA 200.8	
WES-19-DWS-P (16L0002-25)		**Sample Type: Water**				**Sampled: 11/30/16 06:30**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63164	12/06/16 09:39	12/07/16 19:09	EPA 200.8	
WES-18-DWS-P (16L0002-26)		**Sample Type: Water**				**Sampled: 11/30/16 06:32**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 15:24	EPA 200.8	
WES-13-DWS-P (16L0002-27)		**Sample Type: Water**				**Sampled: 11/30/16 06:34**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 15:49	EPA 200.8	
WES-11-DW-P (16L0002-28)		**Sample Type: Water**				**Sampled: 11/30/16 06:37**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 15:54	EPA 200.8	
WES-12-DW-P (16L0002-29)		**Sample Type: Water**				**Sampled: 11/30/16 06:38**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 15:58	EPA 200.8	
WES-14-DWS-P (16L0002-30)		**Sample Type: Water**				**Sampled: 11/30/16 06:40**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 16:02	EPA 200.8	
WES-15-DWS-P (16L0002-31)		**Sample Type: Water**				**Sampled: 11/30/16 06:42**		

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Air & Water Sciences	Project Manager: Aniko Molnar	
625 2nd Street, Suite 210	Project: Lead Monitoring Project	Reported:
Petaluma, CA 94952	Project Number: WSD/Woodside ES	12/15/16 15:04

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
WES-15-DWS-P (16L0002-31)		**Sample Type: Water**				**Sampled: 11/30/16 06:42**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 16:06	EPA 200.8	
WES-16A-DW-P (16L0002-32)		**Sample Type: Water**				**Sampled: 11/30/16 06:43**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 16:10	EPA 200.8	
WES-21-DW-P (16L0002-33)		**Sample Type: Water**				**Sampled: 11/30/16 06:44**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 16:14	EPA 200.8	
WES-20-DW-P (16L0002-34)		**Sample Type: Water**				**Sampled: 11/30/16 06:45**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 16:18	EPA 200.8	
WES-2-DWS-P (16L0002-35)		**Sample Type: Water**				**Sampled: 11/30/16 06:50**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 16:23	EPA 200.8	
WES-23-DWS-P (16L0002-36)		**Sample Type: Water**				**Sampled: 11/30/16 06:52**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 16:43	EPA 200.8	
WES-25A-DW-P (16L0002-37)		**Sample Type: Water**				**Sampled: 11/30/16 07:06**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 16:47	EPA 200.8	
WES-25B-BF-P (16L0002-38)		**Sample Type: Water**				**Sampled: 11/30/16 07:06**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 16:52	EPA 200.8	
WES-33B-DW-P (16L0002-39)		**Sample Type: Water**				**Sampled: 11/30/16 07:09**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 16:56	EPA 200.8	
WES-16B-BF-P (16L0002-40)		**Sample Type: Water**				**Sampled: 11/30/16 07:08**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 17:00	EPA 200.8	
WES-6B-BF-P (16L0002-41)		**Sample Type: Water**				**Sampled: 11/30/16 07:12**		

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Air & Water Sciences	Project Manager: Aniko Molnar	
625 2nd Street, Suite 210	Project: Lead Monitoring Project	Reported:
Petaluma, CA 94952	Project Number: WSD/Woodside ES	12/15/16 15:04

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
WES-6B-BF-P (16L0002-41)		**Sample Type: Water**				**Sampled: 11/30/16 07:12**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 17:04	EPA 200.8	
WES-30-OF-P (16L0002-42)		**Sample Type: Water**				**Sampled: 11/30/16 07:14**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 17:08	EPA 200.8	
WES-29-CF-P (16L0002-43)		**Sample Type: Water**				**Sampled: 11/30/16 07:16**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 17:12	EPA 200.8	
WES-27-DWS-P (16L0002-44)		**Sample Type: Water**				**Sampled: 11/30/16 07:25**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 17:16	EPA 200.8	
WES-28-DW-P (16L0002-45)		**Sample Type: Water**				**Sampled: 11/30/16 07:27**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63165	12/06/16 09:49	12/08/16 15:28	EPA 200.8	
WES-26-DWS-P (16L0002-46)		**Sample Type: Water**				**Sampled: 11/30/16 07:30**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	**9.2 ug/L**	**4.0**	1	AL63253	12/08/16 09:05	12/08/16 18:06	EPA 200.8	
WES-47-OF-P (16L0002-47)		**Sample Type: Water**				**Sampled: 11/30/16 07:32**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63253	12/08/16 09:05	12/08/16 18:31	EPA 200.8	
WES-5-DWS-P (16L0002-48)		**Sample Type: Water**				**Sampled: 11/30/16 07:40**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63253	12/08/16 09:05	12/08/16 18:35	EPA 200.8	
WES-4-DWS-P (16L0002-49)		**Sample Type: Water**				**Sampled: 11/30/16 07:50**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63253	12/08/16 09:05	12/08/16 18:39	EPA 200.8	
WES-3-DWS-P (16L0002-50)		**Sample Type: Water**				**Sampled: 11/30/16 07:58**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63253	12/08/16 09:05	12/08/16 18:43	EPA 200.8	
WES-2-OF-P (16L0002-51)		**Sample Type: Water**				**Sampled: 11/30/16 07:59**		

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Air & Water Sciences	Project Manager: Aniko Molnar	
625 2nd Street, Suite 210	Project: Lead Monitoring Project	Reported:
Petaluma, CA 94952	Project Number: WSD/Woodside ES	12/15/16 15:04

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
WES-2-OF-P (16L0002-51)		**Sample Type: Water**				**Sampled: 11/30/16 07:59**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	**7.6 ug/L**	**4.0**	1	AL63253	12/08/16 09:05	12/08/16 18:48	EPA 200.8	
WES-24-DWS-P (16L0002-52)		**Sample Type: Water**				**Sampled: 11/30/16 06:55**		
Metals by EPA Method 200.8 ICP/MS								**P-02**
Lead	ND ug/L	4.0	1	AL63253	12/08/16 09:05	12/08/16 18:52	EPA 200.8	

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Air & Water Sciences	Project Manager: Aniko Molnar	
625 2nd Street, Suite 210	Project: Lead Monitoring Project	Reported:
Petaluma, CA 94952	Project Number: WSD/Woodside ES	12/15/16 15:04

Metals by EPA Method 200.8 ICP/MS - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AL63162 - EPA 200 Series										
Blank (AL63162-BLK1)				Prepared & Analyzed: 12/06/16						
Lead	ND	4.0	ug/L							
LCS (AL63162-BS1)				Prepared & Analyzed: 12/06/16						
Lead	20.6	4.0	ug/L	20.0		103	85-115			
Duplicate (AL63162-DUP1)		**Source: 16K2456-27**		Prepared & Analyzed: 12/06/16						
Lead	ND	4.0	ug/L		ND				20	
Matrix Spike (AL63162-MS1)		**Source: 16K2456-27**		Prepared & Analyzed: 12/06/16						
Lead	99.1	4.0	ug/L	100	ND	99.1	70-130			
Matrix Spike (AL63162-MS2)		**Source: 16L0002-08**		Prepared & Analyzed: 12/06/16						
Lead	105	4.0	ug/L	100	ND	101	70-130			
Matrix Spike Dup (AL63162-MSD1)		**Source: 16K2456-27**		Prepared & Analyzed: 12/06/16						
Lead	102	4.0	ug/L	100	ND	102	70-130	2.36	20	
Batch AL63164 - EPA 200 Series										
Blank (AL63164-BLK1)				Prepared: 12/06/16 Analyzed: 12/08/16						
Lead	ND	4.0	ug/L							
LCS (AL63164-BS1)				Prepared: 12/06/16 Analyzed: 12/08/16						
Lead	20.6	4.0	ug/L	20.0		103	85-115			
Duplicate (AL63164-DUP1)		**Source: 16L0001-21**		Prepared: 12/06/16 Analyzed: 12/07/16						
Lead	ND	4.0	ug/L		ND				20	

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Air & Water Sciences	Project Manager: Aniko Molnar	
625 2nd Street, Suite 210	Project: Lead Monitoring Project	Reported:
Petaluma, CA 94952	Project Number: WSD/Woodside ES	12/15/16 15:04

Metals by EPA Method 200.8 ICP/MS - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AL63164 - EPA 200 Series										
Matrix Spike (AL63164-MS1)	**Source: 16L0001-21**			Prepared: 12/06/16 Analyzed: 12/08/16						
Lead	102	4.0	ug/L	100	ND	102	70-130			
Matrix Spike (AL63164-MS2)	**Source: 16L0002-25**			Prepared: 12/06/16 Analyzed: 12/08/16						
Lead	103	4.0	ug/L	100	ND	103	70-130			
Matrix Spike Dup (AL63164-MSD1)	**Source: 16L0001-21**			Prepared: 12/06/16 Analyzed: 12/08/16						
Lead	101	4.0	ug/L	100	ND	101	70-130	0.323	20	
Batch AL63165 - EPA 200 Series										
Blank (AL63165-BLK1)				Prepared: 12/06/16 Analyzed: 12/08/16						
Lead	ND	4.0	ug/L							
LCS (AL63165-BS1)				Prepared: 12/06/16 Analyzed: 12/08/16						
Lead	21.1	4.0	ug/L	20.0		105	85-115			
Duplicate (AL63165-DUP1)	**Source: 16L0002-26**			Prepared: 12/06/16 Analyzed: 12/08/16						
Lead	ND	4.0	ug/L		ND			2.87	20	
Matrix Spike (AL63165-MS1)	**Source: 16L0002-26**			Prepared: 12/06/16 Analyzed: 12/08/16						
Lead	103	4.0	ug/L	100	ND	103	70-130			
Matrix Spike (AL63165-MS2)	**Source: 16L0002-45**			Prepared: 12/06/16 Analyzed: 12/08/16						
Lead	106	4.0	ug/L	100	ND	105	70-130			
Matrix Spike Dup (AL63165-MSD1)	**Source: 16L0002-26**			Prepared: 12/06/16 Analyzed: 12/08/16						
Lead	104	4.0	ug/L	100	ND	104	70-130	1.66	20	

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Air & Water Sciences	Project Manager: Aniko Molnar	
625 2nd Street, Suite 210	Project: Lead Monitoring Project	Reported:
Petaluma, CA 94952	Project Number: WSD/Woodside ES	12/15/16 15:04

Metals by EPA Method 200.8 ICP/MS - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AL63253 - EPA 200 Series										
Blank (AL63253-BLK1)				Prepared & Analyzed: 12/08/16						
Lead	ND	4.0	ug/L							
LCS (AL63253-BS1)				Prepared & Analyzed: 12/08/16						
Lead	21.5	4.0	ug/L	20.0		107	85-115			
Duplicate (AL63253-DUP1)	**Source: 16L0002-46**			Prepared & Analyzed: 12/08/16						
Lead	9.21	4.0	ug/L		9.22			0.148	20	
Matrix Spike (AL63253-MS1)	**Source: 16L0002-46**			Prepared & Analyzed: 12/08/16						
Lead	111	4.0	ug/L	100	9.22	102	70-130			
Matrix Spike (AL63253-MS2)	**Source: 16L0143-02**			Prepared & Analyzed: 12/08/16						
Lead	104	4.0	ug/L	100	ND	104	70-130			
Matrix Spike Dup (AL63253-MSD1)	**Source: 16L0002-46**			Prepared & Analyzed: 12/08/16						
Lead	114	4.0	ug/L	100	9.22	105	70-130	2.45	20	

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Air & Water Sciences	Project Manager: Aniko Molnar	
625 2nd Street, Suite 210	Project: Lead Monitoring Project	Reported:
Petaluma, CA 94952	Project Number: WSD/Woodside ES	12/15/16 15:04

Notes and Definitions

C-04	Result confirmed by re-analysis
P-02	Sample was received with insufficient preservative. Sample was preserved and allowed to sit 24 hours before further processing.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
REC	Recovery
RPD	Relative Percent Difference

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Lab No 16L0002 Pg 1 of 5

Signature below authorizes work under terms stated on reverse side.

Report to

Company: Air and Water Sciences
Attn: Heidi Bauer, Aniko Molnar, Chip Prokop and Becky Shellink

Address: 625 2nd Street, ste 210, Petaluma, CA 94952

Phone: 707-769-2289

Contact: Aniko Molnar/Heidi Bauer

INVOICE TO: lesley@awsciences.com, Attn: Lesley Hunter
Ph: 707-769-2289

Phone: 707-769-2289

Project ID: WSD

Project No: 1783

PROJECT NAME: Woodside ES

Email Addresses for Reports: heidi@awsciences.com, amolnar@awsciences.com, cprokop@awsciences.com, becky@awsciences.com

Field Sampler - Printed Name & Signature: Mischa Minkler-Green

TAT: Standard 10 days ●; RUSH: 5 days ○, 48 hours ○, Other: ○; Lab preapproval required

Temp upon Receipt: Ukiah temp: 3.3; Dublin temp:

Analysis Request

Sample Identification	Sampling Date	Sampling Time	Container: 250 ml poly	Preservative: NONE	Matrix: Water	Total Number of Containers per Sample ID	Lead (EPA 200.8)	Sample Notes or DDW Source Numbers:
WES-1-CF-P	11/30/16	5:29	X	X	X	1	X	no aerator
WES-1S-CF-F		5:30						
WES-1M-CF-F		5:33						
WES-1MQ-CF-F		5:33						
WES-36-DWS-P		5:40						
WES-4B-NS-P		5:43						
WES-34-TL-P		5:46						aerator
WES-35-TL-P		5:46						aerator
WES-37-DW-P		5:49						
WES-38-DWS-P		5:50						
WES-39-DWS-P		6:00						
WES46-CF-P		6:02						

Relinquished by	Received by	Date	Time
		11/30/16	1330
		11/30	1800
		11/31	2050

DDW Write On EDT Transmission? ○ Yes

State System Number:

If "Y" please enter the Source Number(s) in the column above

Travel and Site Time: | Mileage: | Misc. Supplies:

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Lab No 16L0002 Pg 2 of 5

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Company: Air and Water Sciences
Attn: Heidi Bauer, Aniko Molnar, Chip Prokop and Becky Shellink
Address: 625 2nd Street, ste 210 Petaluma, CA 94952
Phone: 707-769-2289

Contact: Aniko Molnar/Heidi Bauer
INVOICE TO: lesley@awsciences.com Attn: Lesley Hunter
Ph: 707-769-2289

Phone: 707-769-2289
Project ID: WSD
Project No: 1783

PROJECT NAME: Woodside ES

Email Addresses for Reports: heidi@awsciences.com, amolnar@awsciences.com, cprokop@awsciences.com, becky@awsciences.com

Field Sampler - Printed Name & Signature: Mischa Minkler-Green

TAT: Standard 10 days ●; RUSH: 5 days ○, 48 hours ○, Other: ○; Lab preapproval required

Temp upon Receipt: Ukiah temp: 3.3; Dublin temp:

Analysis Request

Sample Identification	Sampling Date	Sampling Time	Container: 250 ml poly	Preservative: NONE	Matrix: Water	Total Number of Containers per Sample ID	Lead (Epa 200.8)	Sample Notes or DDW Source Numbers:
WES-45-DWS-P	11/30/16	6:03	X	X	X	1	X	
WES-43-DWS-P		6:04						
WES-42-DWS-P		6:05						
WES-44-DW-P		6:06						
WES-40-DW-P		6:07						
WES-31-DWS-P		6:12						
WES-32-DWS-P		6:15						
WES-33BF-P		6:16						
WES-60-DW-P		6:17						
WES-7-KF-P		6:20						
WES-8-DWS-P		6:21						
WES-10-DW-P	↓	6:23	↓	↓	↓	↓	↓	

Relinquished by	Received by	Date	Time
		11/30/16	1530
		11/30	1800
		11/30	2050

DDW Write On EDT Transmission? ○ Yes

State System Number:

If "Y" please enter the Source Number(s) in the column above

Travel and Site Time:	Mileage:	Misc. Supplies:

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Report to

Company: Air and Water Sciences
Attn: Heidi Bauer, Aniko Molnar, Chip Prokop and Becky Shellink
Address: 625 2nd Street, ste 210, Petaluma, CA 94952
Phone: 707-769-2289

Contact: Aniko Molnar/Heidi Bauer
INVOICE TO: lesley@awsciences.com, Attn: Lesley Hunter
Ph: 707-769-2289

Phone: 707-769-2289
Project ID: WSD
Project No: 1783
PROJECT NAME: Woodside ES

Email Addresses for Reports: heidi@awsciences.com, amolnar@awsciences.com, cprokop@awsciences.com, becky@awsciences.com

Field Sampler - Printed Name & Signature: Mischa Minkler-Green

Signature below authorizes work under terms stated on reverse side.

Sample Identification	Sampling Date	Sampling Time	Container: 250 ml poly	Preservative: NONE	Matrix: Water	Total Number of Containers per Sample ID	Analysis Request: Lead (EPA 200.8)
WES-9-DWS-P	11/30/16	6:30	X	X	X	1	X
WES-8-DWS-P		6:32					
WES-13-DWS-P		6:34					
WES-15-DW-P		6:37					
WES-12-DW-P		6:38					
WES-14-DWS-P		6:40					
WES-15-DWS-P		6:42					
WES-16-DW-P		6:43					
WES-21-DW-P		6:44					
WES-20-DW-P		6:46					
WES-2-DWS-P		6:50					
WES-22-DWS-P		6:52					

TAT
Standard 10 days ●
RUSH: 5 days ○ 48 hours ○ Other: ○ (Lab preapproval required)

Temp upon Receipt
Ukiah temp: 3.3
Dublin temp:

Sample Notes or DDW Source Numbers:

Relinquished by	Received by	Date	Time
		11/30/16	1330
		11/30	1860
		11/30	2050

DDW Write On EDT Transmission? ○ Yes
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If "Y" please enter the Source Number(s) in the column above

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Report to

Company: Air and Water Sciences
Attn: Heidi Bauer, Aniko Molnar, Chip Prokop and Becky Shellink
Address: 625 2nd Street, ste 210, Petaluma, CA 94952
Phone: 707-769-2289

Contact: Aniko Molnar/Heidi Bauer
INVOICE TO: lesley@awsciences.com, Attn: Lesley Hunter
Ph: 707-769-2289

Phone: 707-769-2289
Project ID: WSD
Project No: 1783
PROJECT NAME: Woodside ES

Email Addresses for Reports: heidi@awsciences.com, amolnar@awsciences.com, cprokop@awsciences.com, becky@awsciences.com

Field Sampler - Printed Name & Signature: Mischa Minkler-Green

TAT: Standard 10 days ●; RUSH: 5 days ○, 48 hours ○, Other: ○; Lab preapproval required

Temp upon Receipt: Ukiah temp: 3.3; Dublin temp:

Analysis Request

Sample Identification	Sampling Date	Sampling Time	Container: 250 ml poly	Preservative: NONE	Matrix: Water	Total Number of Containers per Sample ID	Lead (EPA 200.8)	Sample Notes or DDW Source Numbers:
WES-25A-DW-P	11/30/16	7:06	X	X	X	1	X	
WES-25B-BF-P		7:06						
WES-33B-DW-P		7:09						
WES-16B-BF-P		7:08						
WES-66B-BF-P		7:12						
WES-30-OF-P		7:14						aerator
WES-29CF-P		7:16						aerator
WES-27-DWS-P		7:25						
WES-28-DW-P		7:27						
WES-26-DWS-P		7:30						
WES-47-OF-P		7:32						aerator
WES-5-DWS-P		7:40						

Relinquished by	Received by	Date	Time
		11/30/16	1330
		11/30	1800
		11/30	2050

DDW Write On EDT Transmission? ○ Yes
State System Number:
If "Y" please enter the Source Number(s) in the column above

Travel and Site Time:	Mileage:	Misc. Supplies:

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Report to		
Company: Air and Water Sciences	**Contact:** Aniko Molnar/Heidi Bauer	**Phone:** 707-769-2289
Attn: Heidi Bauer, Aniko Molnar, Chip Prokop and Becky Shellink	**INVOICE TO:** lesley@awsciences.com Attn: Lesley Hunter	**Project ID:** WSD
Address: 625 2nd Street, ste 210 Petaluma, CA 94952	Ph: 707-769-2289	**Project No:** 1783
Phone: 707-769-2289	**PROJECT NAME:** Woodside ES	

Email Addresses for Reports: heidi@awsciences.com, amolnar@awsciences.com, cprokop@awsciences.com, becky@awsciences.com

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Sample Identification	Sampling Date	Sampling Time	Container: 250 ml poly	Preservative: NONE	Matrix: Water	Total Number of Containers per Sample ID	Analysis Request: Lead (EPA 200.8)
WES-4-DWS-P	11/30/16	7:50	X	X	X	1	X
WES-3-DWS-P	↓	7:58	↓	↓	↓	↓	↓
WES-2-DWS-P		7:59					
WES-24-DWS-P	↓	6:55	↓	↓	↓	↓	↓

TAT
Standard 10 days ●
RUSH: 5 days ○ 48 hours ○ Other: ○ (Lab preapproval required)

Temp upon Receipt
Ukiah temp: 3.3
Dublin temp:

Sample Notes or DDW Source Numbers:

Relinquished by	Received by	Date	Time
		11/30/16	1330
		11/30	1800
		11/30	2050

DDW Write On EDT Transmission? ○ Yes
State System Number:
If "Y" please enter the Source Number(s) in the column above

Travel and Site Time:	Mileage:	Misc. Supplies:

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