



DOMINION

March 10, 2017

Mr. Dennis York
Casa Grande Elementary School District
220 West Korsten Road
Casa Grande, Arizona 85122

RE: Limited Water Quality Sampling
Palo Verde Elementary School
40 North Roosevelt Avenue
Casa Grande, Arizona 85122

Dominion Project No. 1710.01
Purchase Order No. 372599

Dear Mr. York,

Pursuant to your request, Dominion Environmental Consultants, Inc. (Dominion) conducted limited water quality sampling on March 2, 2017 at the above referenced location.

BACKGROUND

The Casa Grande Elementary School District reportedly identified elevated lead concentrations in samples of drinking water taken at Palo Verde Elementary School. Dominion was directed to conduct additional sampling in the client-directed locations.

SCOPE OF WORK

Dominion was requested to:

- Conduct first draw water sampling for lead at the client-identified water taps.
- Provide a report of the findings to the client.

SAMPLING TECHNIQUES

Lead Water Sampling

First-draw water samples were collected in 1 liter laboratory prepared bottled preserved with nitric acid. The water samples were transported to the analytical laboratory, under chain of custody for analysis.

ANALYTICAL LABORATORY RESULTS

Lead Water Sampling

On March 2, 2017, Dominion collected a total of fifty (50) water samples from the client-identified sinks, drinking fountains, hose bib, and two water heaters at Palo Verde Elementary School. The United States Environmental Protection Agency (EPA) action level for lead in drinking water is 0.015 mg/L. Of the fifty (50) samples collected, four sample site locations were identified with lead in exceedance of the EPA action level. The laboratory analytical report indicated that the lead levels in the samples collected from the music room drinking fountain, the lobby drinking fountain, and the water heaters were all above the action level (see Exhibit 1 – Lead Water Summary Chart and Exhibit 2 – Lead Water Laboratory Results).

CONCLUSIONS

Based on the analytical data presented in this report, four of the water samples collected from the property contained lead in concentrations above the EPA action level.

RECOMMENDATIONS

- Dominion recommends that the school contact Arizona Department of Environmental Quality (ADEQ), Arizona Department of Health Services (ADHS) and the School Facilities Board (SFB) for further guidance.

LIMITATIONS

The conclusions and results contained herein are based solely on the information presented in this report. The limited sampling, testing, and observations described in the report represent conditions only at the specified times and locations. Additional information or contamination which were hidden, undiscovered, inaccessible, or are not a part of the finding presented herein, would result in the modification of the conclusions and recommendations made herein. The limited sampling methods, techniques, and scope of services were not comprehensive or to be considered all inclusive. Any remediation guidelines are minimum general guidelines, based solely on the findings presented herein. They are presented as a courtesy and are not to be considered a complete or detailed set of specifications. Dominion performed its investigation in a specific area, as directed by the client.

Dominion's scope of service for this report did not include the inspection for, or identification of, lead paint, asbestos materials, or any other hazardous or controlled substances not specifically identified herein. The presence of any asbestos material should be verified prior to any work being performed by workers covered by asbestos regulatory guidelines.

Dominion is not responsible for the accuracy of information or any services provided by others, or for conditions or consequences arising from relevant facts that were withheld, concealed, undiscovered or not fully disclosed. Dominion is not a law firm, and therefore, makes no representations regarding any potential liability of any person or entity for site conditions. Further, Dominion 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.

If you should have any questions or would like to discuss the contents of this report, please do not hesitate to contact me at any time.

Sincerely,

Dominion Environmental Consultants, Inc.



Nicholas Wahnefried
Industrial Hygiene Project Manager



Ryan Kuhn, Ph.D., CIH
Corporate Director of Industrial Hygiene Services

Enclosures:

- Exhibit 1 – Lead Water Summary Chart
- Exhibit 2 – Lead Water Laboratory Results
- Exhibit 3 – Water Sample Location Map

EXHIBIT 1

Dominion Environmental Consultants, Inc.
Lead Sample Summary

Dominion Project Number: 1710.01		Client: Casa Grande Elementary School District	
Sample Date: March 2, 2017		Site: Palo Verde Elementary School	
Sample Number	Sample Location	Reading Detection Limit (mg/L)	Lead Concentration (mg/L)
Tap 1	Lobby - Drinking Fountain - North	0.001	0.025
Tap 2	Nurse - Sink	0.001	<0.001
Tap 3	Nurse - Shower/Restroom Combo - Sink	0.001	0.001
Tap 4	Teachers Lounge - Sink	0.001	<0.001
Tap 5	Gym - Drinking Fountain - Southwest	0.001	0.004
Tap 6	Kitchen - Prep sink	0.001	<0.001
Tap 7	Kitchen - Water Heater	0.001	0.830
Tap 8	Kitchen - Restroom Sink	0.001	0.002
Tap 9	Cafeteria - Drinking Fountain - Northeast	0.001	0.009
Tap 10	Cafeteria Office - Sink	0.001	<0.001
Tap 11	Gym - Drinking Fountain - Northeast	0.001	0.004
Tap 12	Coach/Gym Office - Private Restroom - Sink	0.001	0.002
Tap 13	Gym - Wash Station - Sink	0.001	<0.001
Tap 14	Gym Boys Restroom - Sink	0.001	<0.001
Tap 15	Gym Girls Restroom - Sink	0.001	<0.001
Tap 16	Faculty Workroom - Sink	0.001	<0.001
Tap 17	Faculty Workroom - Restroom Sink	0.001	<0.001
Tap 18	Music Room - Sink	0.001	0.003
Tap 19	Music Room - Drinking Fountain	0.001	0.015
Tap 20	North Commons Drinking Foutain	0.001	0.008
Tap 21	E-10 - Sink	0.001	0.003
Tap 22	E-9 - Sink	0.001	<0.001
Tap 23	E-6 - Drinking Fountain	0.001	<0.001
Tap 24	Central North Commons - Drinking Fountain	0.001	0.003
Tap 25	E-5 - Sink	0.001	<0.001
Tap 26	E-3 - Drinking Fountain	0.001	<0.001
Tap 27	E-1B - North Sink	0.001	0.003
Tap 28	Central South Commons - Drinking Fountain	0.001	<0.001
Tap 29	D-9 - Drinking Fountain	0.001	0.002
Tap 30	D-8 - Drinking Fountain	0.001	<0.001
Tap 31	Commons - Girls Restroom Sink	0.001	<0.001
Tap 32	Commons - Boys Restroom Sink	0.001	<0.001
Tap 33	D-6 - Sink	0.001	0.002
Tap 34	South Commons - Drinking Fountain	0.001	0.008
Tap 35	D3 - Sink	0.001	<0.001
Tap 36	D-1 - Sink	0.001	0.001
Tap 37	C-5 - Sink	0.001	0.004
Tap 38	C-4 - Restroom Sink	0.001	0.001
Tap 39	C-3 - Drinking Fountain	0.001	<0.001
Tap 40	C-1 - Drinking Fountain	0.001	<0.001
Tap 41	C-1 - West Restroom Sink	0.001	<0.001
Tap 42	B-2 - Boys Restroom Sink	0.001	0.001
Tap 43	B-2 - Clasroom Sink	0.001	<0.001
Tap 44	B-4 - Drinking Fountain	0.001	0.006
Tap 45	A-3 - Sink	0.001	<0.001
Tap 46	Media Center - Work Room - Sink	0.001	0.006
Tap 47	Mail room - Sink	0.001	<0.001
Tap 48	Mechanical Room - Water Heater	0.001	0.090
Tap 49	Maintainance Enclosure - Hose Bib	0.001	0.003
Tap 50	Lobby - Mens Restroom Sink	0.001	<0.001

EXHIBIT 2



2105 S. 48th Street, Suite 102
Tempe, AZ 85282
(602) 437-0762



March 10, 2017

Ryan Kuhn
Dominion Environmental Cons.
20045 N. 19th Ave., Bldg. 7
Phoenix, AZ 85027

Workorder #: A1703009

Client Project Name: Palo Verde
Client Project Number: 1710.01

Dear Ryan Kuhn

Apex Analytical Laboratory received 50 sample(s) for analysis on 03/02/17 .

All analyses met laboratory QA/QC requirements with any exceptions addressed in the Case Narrative.

If you have any questions or concerns regarding the analysis of your samples, please contact the laboratory at (602) 437-0762.

Sincerely,

A handwritten signature in black ink that reads 'Robert V. Woods'.

Robert Woods
Laboratory Director

ADHS License No. AZ0768



2105 S. 48th Street, Suite 102
Tempe, AZ 85282
(602) 437-0762
ADHS License No. AZ0768

Workorder: Dominion Environmental Cons.
Client: A1703009

Project Name: Palo Verde
Project Number: 1710.01

Case Narrative

All samples and QC associated with your samples met the quality control objectives. Any discrepancies will be addressed in this case narrative. Data qualifiers in this report are in accordance with ADEQ Data Qualifiers.



Definitions

CCV	Continuing Calibration Verification: A solution of one or more compounds used to evaluate the performance of the instrument system with respect to a defined set of method criteria.
Duplicate	Two aliquots of the same sample analyzed separately with identical procedures. Analyses of the sample and duplicate indicates precision associated with laboratory procedures.
LCS	Laboratory Control Sample: An aliquot of a blank matrix to which known quantities of the method analytes are added in the laboratory. The LCS is analyzed exactly like a sample, and its purpose is to determine whether the methodology is in control, and whether the laboratory is making accurate and precise measurements.
LCSD	Laboratory Control Sample Duplicate: A duplicate analyses of an LCS. It is an indication of precision and accuracy.
MS	Matrix Spike: An aliquot of an environmental sample to which known quantities of the method analytes are added in the laboratory. The MS is analyzed exactly like a sample, and its purpose is to determine whether the sample matrix contributes bias to the analytical results.
MSD	Matrix Spike Duplicate: A duplicate analyses of an MS. It also is an indication of precision and accuracy.
RPD	Reported Percent Difference. RPD is simply a QC measurement used by taking the difference of two results, and dividing by the average of the two results, and converting that number to a percent.



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Client Contact:	Ryan Kuhn	Work Order #:	A1703009
Company	Dominion Environmental Cons.	Project Name:	Palo Verde
Address:	20045 N. 19th Ave., Bldg. 7	Project Number:	1710.01
City, State, Zip:	Phoenix, AZ 85027	Received Date:	3/2/17

Sample Temperature, °C:	17.0
Samples received intact:	Yes
Correct container:	Yes
Correct preservation:	Yes
Comments regarding sample receipt:	Sample(s) received in good condition

SAMPLE SUMMARY

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME
A1703009-01	Tap 1	DW	3/2/17	4:00
A1703009-02	Tap 2	DW	3/2/17	4:02
A1703009-03	Tap 3	DW	3/2/17	4:03
A1703009-04	Tap 4	DW	3/2/17	4:06
A1703009-05	Tap 5	DW	3/2/17	4:07
A1703009-06	Tap 6	DW	3/2/17	4:09
A1703009-07	Tap 7	DW	3/2/17	4:10
A1703009-08	Tap 8	DW	3/2/17	4:11
A1703009-09	Tap 9	DW	3/2/17	4:12
A1703009-10	Tap 10	DW	3/2/17	4:13
A1703009-11	Tap 11	DW	3/2/17	4:15
A1703009-12	Tap 12	DW	3/2/17	4:16
A1703009-13	Tap 13	DW	3/2/17	4:17
A1703009-14	Tap 14	DW	3/2/17	4:18
A1703009-15	Tap 15	DW	3/2/17	4:19
A1703009-16	Tap 16	DW	3/2/17	4:23
A1703009-17	Tap 17	DW	3/2/17	4:23
A1703009-18	Tap 18	DW	3/2/17	4:24
A1703009-19	Tap 19	DW	3/2/17	4:25
A1703009-20	Tap 20	DW	3/2/17	4:28
A1703009-21	Tap 21	DW	3/2/17	4:29
A1703009-22	Tap 22	DW	3/2/17	4:30
A1703009-23	Tap 23	DW	3/2/17	4:31
A1703009-24	Tap 24	DW	3/2/17	4:33
A1703009-25	Tap 25	DW	3/2/17	4:33



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Client Contact:	Ryan Kuhn	Work Order #:	A1703009
Company	Dominion Environmental Cons.	Project Name:	Palo Verde
Address:	20045 N. 19th Ave., Bldg. 7	Project Number:	1710.01
City, State, Zip:	Phoenix, AZ 85027	Received Date:	3/2/17

Sample Temperature, °C:	17.0
Samples received intact:	Yes
Correct container:	Yes
Correct preservation:	Yes
Comments regarding sample receipt:	Sample(s) received in good condition

SAMPLE SUMMARY

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME
A1703009-26	Tap 26	DW	3/2/17	4:34
A1703009-27	Tap 27	DW	3/2/17	4:36
A1703009-28	Tap 28	DW	3/2/17	4:38
A1703009-29	Tap 29	DW	3/2/17	4:39
A1703009-30	Tap 30	DW	3/2/17	4:41
A1703009-31	Tap 31	DW	3/2/17	4:42
A1703009-32	Tap 32	DW	3/2/17	4:43
A1703009-33	Tap 33	DW	3/2/17	4:45
A1703009-34	Tap 34	DW	3/2/17	4:46
A1703009-35	Tap 35	DW	3/2/17	4:48
A1703009-36	Tap 36	DW	3/2/17	4:48
A1703009-37	Tap 37	DW	3/2/17	4:50
A1703009-38	Tap 38	DW	3/2/17	4:52
A1703009-39	Tap 39	DW	3/2/17	4:53
A1703009-40	Tap 40	DW	3/2/17	4:55
A1703009-41	Tap 41	DW	3/2/17	4:57
A1703009-42	Tap 42	DW	3/2/17	4:58
A1703009-43	Tap 43	DW	3/2/17	5:02
A1703009-44	Tap 44	DW	3/2/17	5:03
A1703009-45	Tap 45	DW	3/2/17	5:07
A1703009-46	Tap 46	DW	3/2/17	5:09
A1703009-47	Tap 47	DW	3/2/17	5:11
A1703009-48	Tap 48	DW	3/2/17	5:15
A1703009-49	Tap 49	DW	3/2/17	5:17
A1703009-50	Tap 50	DW	3/2/17	5:18



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Client Contact:	Ryan Kuhn	Work Order #:	A1703009
Company	Dominion Environmental Cons.	Project Name:	Palo Verde
Address:	20045 N. 19th Ave., Bldg. 7	Project Number:	1710.01
City, State, Zip:	Phoenix, AZ 85027	Received Date:	3/2/17

Sample Temperature, °C:	17.0
Samples received intact:	Yes
Correct container:	Yes
Correct preservation:	Yes
Comments regarding sample receipt:	Sample(s) received in good condition

SAMPLE SUMMARY

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME
Total number samples received		50		



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Sample Report Method 200.8 ICP-MS Metals

Workorder: A1703009

Client: Dominion Environmental Cons.

Project Name: Palo Verde

Project Number: 1710.01

Client ID: Tap 1

Lab ID: A1703009-01

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:00

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.025		3/6/17	PS	030617_200.8

Client ID: Tap 2

Lab ID: A1703009-02

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:02

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/6/17	PS	030617_200.8

Client ID: Tap 3

Lab ID: A1703009-03

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:03

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.001		3/6/17	PS	030617_200.8

Client ID: Tap 4

Lab ID: A1703009-04

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:06

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/6/17	PS	030617_200.8



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Sample Report Method 200.8 ICP-MS Metals

Workorder: A1703009

Client: Dominion Environmental Cons.

Project Name: Palo Verde

Project Number: 1710.01

Client ID: Tap 5

Sample Date: 3/2/17

Sample Time: 4:07

Lab ID: A1703009-05

Matrix: DW

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.004		3/6/17	PS	030617_200.8

Client ID: Tap 6

Sample Date: 3/2/17

Sample Time: 4:09

Lab ID: A1703009-06

Matrix: DW

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/6/17	PS	030617_200.8

Client ID: Tap 7

Sample Date: 3/2/17

Sample Time: 4:10

Lab ID: A1703009-07

Matrix: DW

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.83		3/6/17	PS	030617_200.8

Client ID: Tap 8

Sample Date: 3/2/17

Sample Time: 4:11

Lab ID: A1703009-08

Matrix: DW

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.002		3/6/17	PS	030617_200.8



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Sample Report Method 200.8 ICP-MS Metals

Workorder: A1703009

Client: Dominion Environmental Cons.

Project Name: Palo Verde

Project Number: 1710.01

Client ID: Tap 9

Lab ID: A1703009-09

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:12

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.009		3/6/17	PS	030617_200.8

Client ID: Tap 10

Lab ID: A1703009-10

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:13

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/6/17	PS	030617_200.8

Client ID: Tap 11

Lab ID: A1703009-11

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:15

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.004		3/6/17	PS	030617_200.8

Client ID: Tap 12

Lab ID: A1703009-12

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:16

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.002		3/6/17	PS	030617_200.8



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Sample Report Method 200.8 ICP-MS Metals

Workorder: A1703009

Client: Dominion Environmental Cons.

Project Name: Palo Verde

Project Number: 1710.01

Client ID: Tap 13

Lab ID: A1703009-13

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:17

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/6/17	PS	030617_200.8

Client ID: Tap 14

Lab ID: A1703009-14

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:18

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/6/17	PS	030617_200.8

Client ID: Tap 15

Lab ID: A1703009-15

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:19

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/6/17	PS	030617_200.8

Client ID: Tap 16

Lab ID: A1703009-16

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:23

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/6/17	PS	030617_200.8



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Sample Report
Method 200.8 ICP-MS Metals

Workorder: A1703009

Client: Dominion Environmental Cons.

Project Name: Palo Verde

Project Number: 1710.01

Client ID: Tap 17

Lab ID: A1703009-17

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:23

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/9/17	PS	030717_200.8

Client ID: Tap 18

Lab ID: A1703009-18

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:24

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.003		3/9/17	PS	030717_200.8

Client ID: Tap 19

Lab ID: A1703009-19

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:25

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.015		3/9/17	PS	030717_200.8

Client ID: Tap 20

Lab ID: A1703009-20

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:28

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.008		3/9/17	PS	030717_200.8



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Sample Report Method 200.8 ICP-MS Metals

Workorder: A1703009

Client: Dominion Environmental Cons.

Project Name: Palo Verde

Project Number: 1710.01

Client ID: Tap 21

Lab ID: A1703009-21

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:29

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.003		3/9/17	PS	030717_200.8

Client ID: Tap 22

Lab ID: A1703009-22

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:30

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/9/17	PS	030717_200.8

Client ID: Tap 23

Lab ID: A1703009-23

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:31

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/9/17	PS	030717_200.8

Client ID: Tap 24

Lab ID: A1703009-24

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:33

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.003		3/9/17	PS	030717_200.8



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ADHS License No. AZ0768



Sample Report
Method 200.8 ICP-MS Metals

Workorder: A1703009

Client: Dominion Environmental Cons.
Project Name: Palo Verde
Project Number: 1710.01

Client ID: Tap 25

Lab ID: A1703009-25

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:33

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/9/17	PS	030717_200.8

Client ID: Tap 26

Lab ID: A1703009-26

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:34

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/9/17	PS	030717_200.8

Client ID: Tap 27

Lab ID: A1703009-27

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:36

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.003		3/9/17	PS	030717_200.8

Client ID: Tap 28

Lab ID: A1703009-28

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:38

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/9/17	PS	030717_200.8



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Sample Report
Method 200.8 ICP-MS Metals

Workorder: A1703009

Client: Dominion Environmental Cons.
Project Name: Palo Verde
Project Number: 1710.01

Client ID: Tap 29

Sample Date: 3/2/17
Sample Time: 4:39

Lab ID: A1703009-29

Matrix: DW
Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.002		3/9/17	PS	030717_200.8

Client ID: Tap 30

Sample Date: 3/2/17
Sample Time: 4:41

Lab ID: A1703009-30

Matrix: DW
Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/9/17	PS	030717_200.8

Client ID: Tap 31

Sample Date: 3/2/17
Sample Time: 4:42

Lab ID: A1703009-31

Matrix: DW
Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/9/17	PS	030717_200.8

Client ID: Tap 32

Sample Date: 3/2/17
Sample Time: 4:43

Lab ID: A1703009-32

Matrix: DW
Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/9/17	PS	030717_200.8



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Sample Report Method 200.8 ICP-MS Metals

Workorder: A1703009

Client: Dominion Environmental Cons.

Project Name: Palo Verde

Project Number: 1710.01

Client ID: Tap 33

Lab ID: A1703009-33

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:45

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.002		3/9/17	PS	030717_200.8

Client ID: Tap 34

Lab ID: A1703009-34

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:46

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.008		3/9/17	PS	030717_200.8

Client ID: Tap 35

Lab ID: A1703009-35

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:48

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/9/17	PS	030717_200.8

Client ID: Tap 36

Lab ID: A1703009-36

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:48

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.001		3/9/17	PS	030917_200.8



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Sample Report Method 200.8 ICP-MS Metals

Workorder: A1703009

Client: Dominion Environmental Cons.

Project Name: Palo Verde

Project Number: 1710.01

Client ID: Tap 37

Lab ID: A1703009-37

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:50

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.004		3/9/17	PS	030917_200.8

Client ID: Tap 38

Lab ID: A1703009-38

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:52

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.001		3/9/17	PS	030917_200.8

Client ID: Tap 39

Lab ID: A1703009-39

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:53

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/9/17	PS	030917_200.8

Client ID: Tap 40

Lab ID: A1703009-40

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:55

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/9/17	PS	030917_200.8



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Sample Report Method 200.8 ICP-MS Metals

Workorder: A1703009

Client: Dominion Environmental Cons.

Project Name: Palo Verde

Project Number: 1710.01

Client ID: Tap 41

Lab ID: A1703009-41

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:57

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/9/17	PS	030917_200.8

Client ID: Tap 42

Lab ID: A1703009-42

Sample Date: 3/2/17

Matrix: DW

Sample Time: 4:58

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.001		3/9/17	PS	030917_200.8

Client ID: Tap 43

Lab ID: A1703009-43

Sample Date: 3/2/17

Matrix: DW

Sample Time: 5:02

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/9/17	PS	030917_200.8

Client ID: Tap 44

Lab ID: A1703009-44

Sample Date: 3/2/17

Matrix: DW

Sample Time: 5:03

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.006		3/9/17	PS	030917_200.8



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Sample Report Method 200.8 ICP-MS Metals

Workorder: A1703009

Client: Dominion Environmental Cons.

Project Name: Palo Verde

Project Number: 1710.01

Client ID: Tap 45

Lab ID: A1703009-45

Sample Date: 3/2/17

Matrix: DW

Sample Time: 5:07

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/9/17	PS	030917_200.8

Client ID: Tap 46

Lab ID: A1703009-46

Sample Date: 3/2/17

Matrix: DW

Sample Time: 5:09

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.006		3/9/17	PS	030917_200.8

Client ID: Tap 47

Lab ID: A1703009-47

Sample Date: 3/2/17

Matrix: DW

Sample Time: 5:11

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/9/17	PS	030917_200.8

Client ID: Tap 48

Lab ID: A1703009-48

Sample Date: 3/2/17

Matrix: DW

Sample Time: 5:15

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.090		3/9/17	PS	030917_200.8



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Sample Report
Method 200.8 ICP-MS Metals

Workorder: A1703009

Client: Dominion Environmental Cons.
Project Name: Palo Verde
Project Number: 1710.01

Client ID: Tap 49

Lab ID: A1703009-49

Sample Date: 3/2/17

Matrix: DW

Sample Time: 5:17

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	0.003		3/9/17	PS	030917_200.8

Client ID: Tap 50

Lab ID: A1703009-50

Sample Date: 3/2/17

Matrix: DW

Sample Time: 5:18

Prep Date: 3/6/17

Compound	CAS No.	Report Limit, mg/L	DL	Sample Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	1	<0.001		3/9/17	PS	030917_200.8



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Quality Control Data - Method Blank
Method 200.8 ICP-MS Metals

Work Order: A1703009

Project Name: Palo Verde

Client: Dominion Environmental Cons.

Project Number: 1710.01

Prep Date: 3/6/17

Compound	CAS No.	Report Limit mg/L	Blank Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	<0.001		3/6/17	PS	030617_200.8

Prep Date: 3/7/17

Compound	CAS No.	Report Limit mg/L	Blank Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	<0.001		3/9/17	PS	030717_200.8

Prep Date: 3/9/17

Compound	CAS No.	Report Limit mg/L	Blank Result, mg/L	Qualifier	Analysis Date	Analyst	QC Batch
Lead	7439-92-1	0.001	<0.001		3/9/17	PS	030917_200.8



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**Quality Control Data - LCS/LCSD
Method 200.8 ICP-MS Metals**

Work Order: A1703009
QC Batch ID: 030617_200.8

Prep Date: 3/6/17
Analysis Date: 3/6/17
Analyst: PS

Compound	LCS Result, mg/L	LCS % Rec	LCSD Result, mg/L	LCSD % Rec	True Value, mg/L	Recovery Limits %	Recovery RPD	RPD Limit, %	Qualifier
Lead	0.0504	101%	0.0502	100%	0.050	85-115	0%	20%	

QC Batch ID: 030717_200.8

Analysis Date: 3/9/17

Compound	LCS Result, mg/L	LCS % Rec	LCSD Result, mg/L	LCSD % Rec	True Value, mg/L	Recovery Limits %	Recovery RPD	RPD Limit, %	Qualifier
Lead	0.0511	102%	0.0504	101%	0.050	85-115	1%	20%	

QC Batch ID: 030917_200.8

Analysis Date: 3/9/17

Compound	LCS Result, mg/L	LCS % Rec	LCSD Result, mg/L	LCSD % Rec	True Value, mg/L	Recovery Limits %	Recovery RPD	RPD Limit, %	Qualifier
Lead	0.0495	99%	0.0493	99%	0.050	85-115	0%	20%	



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Quality Control Data - MS/MSD
Method 200.8 ICP-MS Metals

Work Order: A1703009
QC Batch ID: 030617_200.8

Prep Date: 3/6/17
Analysis Date: 3/6/17
Analyst: PS
Spiked Sample ID: A1703009-01

Compound	Sample Result, mg/L	MS Result, mg/L	MS % Rec	MSD Result, mg/L	MSD % Rec	True Value, mg/L	Recovery Limits %	RPD %	Qualifier
Lead	0.0252	0.0736	97%	0.0779	105%	0.050	70-130	6%	

QC Batch ID: 030717_200.8

Spiked Sample ID: A1703009-17

Compound	Sample Result, mg/L	MS Result, mg/L	MS % Rec	MSD Result, mg/L	MSD % Rec	True Value, mg/L	Recovery Limits %	RPD %	Qualifier
Lead	<0.001	0.0494	99%	0.0492	98%	0.050	70-130	0%	

QC Batch ID: 030917_200.8

Spiked Sample ID: A1703009-36

Compound	Sample Result, mg/L	MS Result, mg/L	MS % Rec	MSD Result, mg/L	MSD % Rec	True Value, mg/L	Recovery Limits %	RPD %	Qualifier
Lead	0.001	0.0467	91%	0.0473	93%	0.050	70-130	1%	



Chain of Custody / Analysis Request

2105 S. 48th Street, Suite 102 Tempe AZ 85282 602.437.0762
www.AzApexLab.com woods@azapexlab.com

Lab Number:

A1703009

Customer Contact:	Ryan Kuhn	Page	1	of	5	P.O. #:	201566
Company Name:	Dominion Environmental Consultants	Sampler (signature):					
Address:	20045 N. 19th Ave., Bldg. 7	Project Name:	171001				
City, State, Zip:	Phoenix, AZ 85027	Project Number:	Palo Verde				

Phone:	623-516-1415	Fax:		Fax Results:	Y	N	E-Mail Address:	rkuhn@dominion-env.com
--------	--------------	------	--	--------------	---	---	-----------------	------------------------

Sample Receipt		Turn Around Request		Analytical Parameters and Methods Requested
Temperature	17 °C	24 Hours	48 Hours	
Custody Seals: Yes	No	72 Hours	<input checked="" type="checkbox"/> 5 working Day	
Custody Seals Intact: Yes	No	Requested Report Delivery Date		
Total # of Containers: 10				

Sample Information				Sample Matrix Type*	Preservative	Number of Containers	200.8 - Pb in DW												
Lab #	Date Collected	Time Collected	Sample Identification																
1	3/2/17	04:00	Tap 1	DW	HNO ₃	1	X												
2		04:02	Tap 2																
3		04:03	Tap 3																
4		04:06	Tap 4																
5		04:07	Tap 5																
6		04:09	Tap 6																
7		04:10	Tap 7																
8		04:11	Tap 8																
9		04:12	Tap 9																
10		04:13	Tap 10																

Instructions / Special Requirements:

Matrix* S=Soil/Solid WW=WasteWater DW=Drinking Water GW=Groundwater A=Air O=Other

Date:	Time:	Samples Relinquished By:	Received By:
3/2/17	0800		



Chain of Custody / Analysis Request

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Lab Number:

A1703009

Customer Contact:	Ryan Kuhn	Page <u>2</u> of <u>5</u>	P.O. #:
Company Name:	Dominion Environmental Consultants	Sampler (signature):	
Address:	20045 N. 19th Ave., Bldg. 7	Project Name:	
City, State, Zip:	Phoenix, AZ 85027	Project Number: <u>1710.01</u>	

Phone: 623-516-1415 Fax: Fax Results: Y N E-Mail Address: rkuhn@dominion-env.com

Sample Receipt	Turn Around Request
Temperature <u>17</u> °C	<u>24</u> Hours <u>48</u> Hours
Custody Seals: Yes <u> </u> No <u> </u>	<u>72</u> Hours <u> </u> 5 working Day <u> </u>
Custody Seals Intact: Yes <u> </u> No <u> </u>	Requested Report Delivery Date
Total # of Containers: <u>10</u>	

Analytical Parameters and Methods Requested

Sample Information

Lab #	Date Collected	Time Collected	Sample Identification	Sample Matrix Type*	Preservative	Number of Containers	200.8 - Pb in DW												
11	3/2/17	0415	Tap 11	DW	HNO ₃	1	X												
12		0416	Tap 12																
13		0417	Tap 13																
14		0418	Tap 14																
15		0419	Tap 15																
16		0423	Tap 16																
17		0423	Tap 17																
18		0424	Tap 18																
19		0425	Tap 19																
20		0428	Tap 20				X												

Instructions / Special Requirements:

Matrix* S=Soil/Solid WW=WasteWater DW=Drinking Water GW=Groundwater A=Air O=Other

Date:	Time:	Samples Relinquished By:	Received By:
3/2/17	0800		



Chain of Custody / Analysis Request

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www.AzApexLab.com woods@azapexlab.com

Lab Number:

A1703009

Customer Contact: Ryan Kuhn

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P.O. #:

Company Name: Dominion Environmental Consultants

Sampler (signature):

Address: 20045 N. 19th Ave., Bldg. 7

Project Name:

City, State, Zip: Phoenix, AZ 85027

Project Number:

710.01

Phone: 623-516-1415

Fax:

Fax Results:

Y

N

E-Mail Address:

rkuhn@dominion-env.com

Sample Receipt

Temperature: 17 °C

Custody Seals: Yes No ☒

Custody Seals Intact: Yes No ☒

Total # of Containers: 10

Turn Around Request

24 Hours 48 Hours

72 Hours ☒ 5 working Day

Requested Report Delivery Date

Analytical Parameters and Methods Requested

Sample Information

Lab #	Date Collected	Time Collected	Sample Identification	Sample Matrix Type*	Preservative	Number of Containers	200.8 - Pb in DW												
21		0429	Tap 21	DW	HNO ₃	1	8												
22		0430	Tap 22																
23		0431	Tap 23																
24		0433	Tap 24																
25		0433	Tap 25																
26		0434	Tap 26																
27		0436	Tap 27																
28		0438	Tap 28																
29		0439	Tap 29																
30		0441	Tap 30																

Instructions / Special Requirements:

Matrix* S=Soil/Solid WW=WasteWater DW=Drinking Water GW=Groundwater A=Air O=Other

Date: 3/2/17

Time: 0800

Samples Relinquished By:

Received By:



Chain of Custody / Analysis Request

2105 S. 48th Street, Suite 102 Tempe AZ 85282 602.437.0762
www.AzApexLab.com woods@azapexlab.com

Lab Number:

A 1703009

Customer Contact:	Ryan Kuhn	Page	4	of	5	P.O. #:
Company Name:	Dominion Environmental Consultants	Sampler (signature):				
Address:	20045 N. 19th Ave., Bldg. 7	Project Name:				
City, State, Zip:	Phoenix, AZ 85027	Project Number: 1710.01				

Phone: 623-516-1415 Fax: Fax Results: Y N E-Mail Address: rkuhn@dominion-env.com

Sample Receipt		Turn Around Request		Analytical Parameters and Methods Requested															
Temperature	17 °C	24 Hours	48 Hours																
Custody Seals: Yes	No	72 Hours	5 working Day																
Custody Seals Intact: Yes	No	Requested Report Delivery Date																	
Total # of Containers: 10																			
Sample Information				Sample Matrix Type*	Preservative	Number of Containers	200.8 - Pb in DW												
Lab #	Date Collected	Time Collected	Sample Identification																
31	3/2/17	0442	Tap 31	DW	HNO3	1	X												
32		0443	Tap 32																
33		0445	Tap 33																
34		0446	Tap 34																
35		0448	Tap 35																
36		0448	Tap 36																
37		0450	Tap 37																
38		0452	Tap 38																
39		0453	Tap 39																
40		0455	Tap 40																

Instructions / Special Requirements:

Matrix* S=Soil/Solid WW=WasteWater DW=Drinking Water GW=Groundwater A=Air O=Other

Date:	Time:	Samples Relinquished By:	Received By:
03/2/17	0800		



Chain of Custody / Analysis Request

2105 S. 48th Street, Suite 102 Tempe AZ 85282 602.437.0762
www.AzApexLab.com woods@azapexlab.com

Lab Number:

A1703009

Customer Contact:	Ryan Kuhn	Page <u>5</u> of <u>5</u>	P.O. #:
Company Name:	Dominion Environmental Consultants	Sampler (signature):	
Address:	20045 N. 19th Ave., Bldg. 7	Project Name:	
City, State, Zip:	Phoenix, AZ 85027	Project Number: <u>1710.01</u>	

Phone: 623-516-1415 Fax: Fax Results: Y N E-Mail Address: rkuhn@dominion-env.com

Sample Receipt		Turn Around Request		Sample Matrix Type*	Preservative	Number of Containers	200.8 - Pb in DW	Analytical Parameters and Methods Requested															
Temperature <u>17</u> °C	Custody Seals: Yes <u> </u> No <u> </u>	24 Hours <u> </u> 48 Hours <u> </u>	72 Hours <u> </u> 5 working Day <u> </u>					Requested Report Delivery Date															
Total # of Containers: <u>10</u>																							
Sample Information																							
Lab #	Date Collected	Time Collected	Sample Identification																				
41	3/2/17	0457	Tap 41	DW	HNO3	1	X																
42		0458	Tap 42																				
43		0502	Tap 43																				
44		0503	Tap 44																				
45		0507	Tap 45																				
46		0509	Tap 46																				
47		0511	Tap 47																				
48		0515	Tap 48																				
49		0517	Tap 49																				
50		0518	Tap 50																				

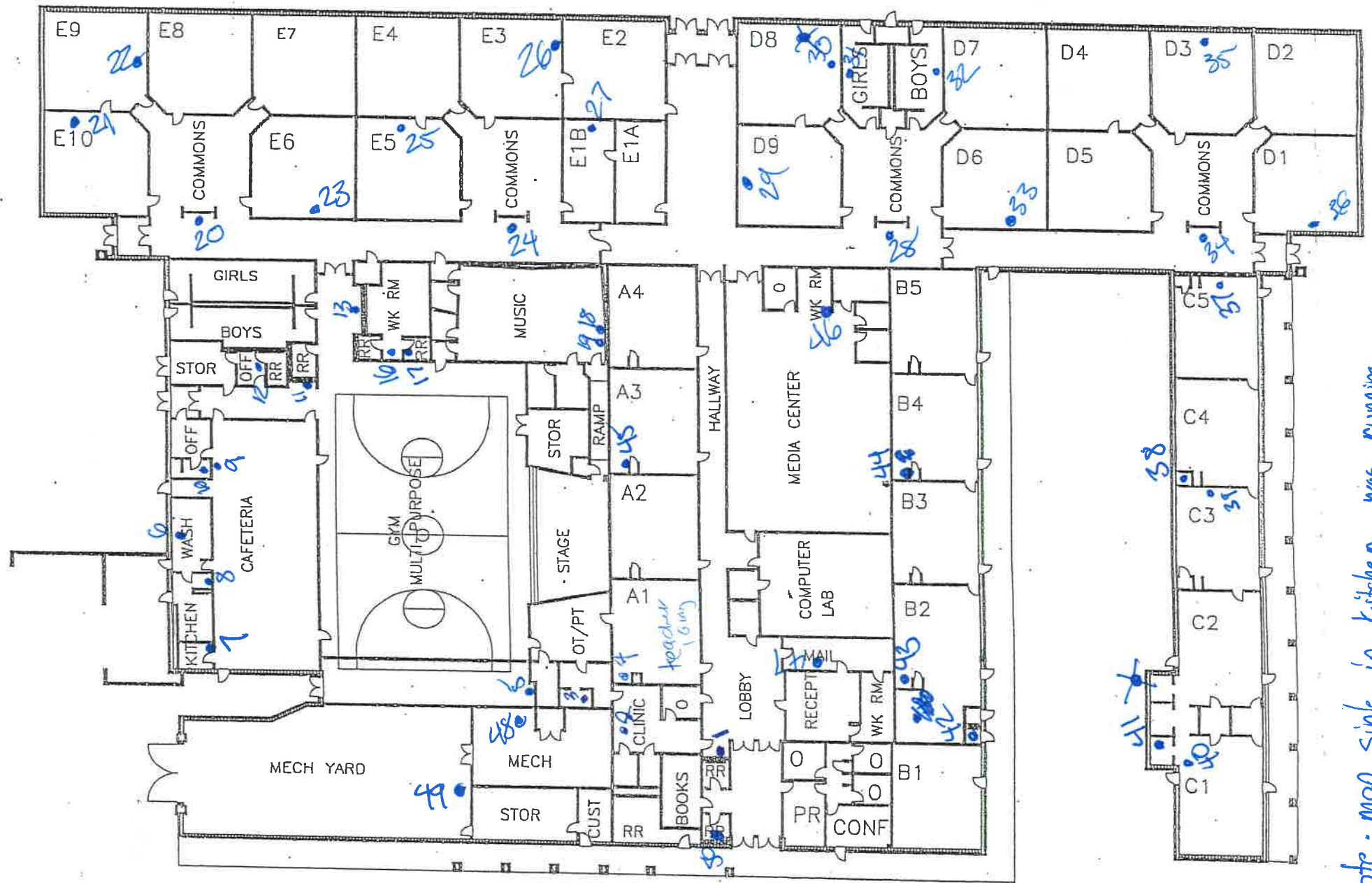
Instructions / Special Requirements:

Matrix* S=Soil/Solid WW=WasteWater DW=Drinking Water GW=Groundwater A=Air O=Other

Date:	Time:	Samples Relinquished By:	Received By:
3/2/17	0800		

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EXHIBIT 3



note - mop sink in kitchen was running when dominion arrived

PALO VERDE ELEMENTARY