

Service Request No:R1610416

Mr. Fran Connor Test Assured Network 204 Talmadge Hill West Waverly, NY 14892

Laboratory Results for: Pine Valley CSD Elementary School

Dear Mr. Connor,

Enclosed are the results of the sample(s) submitted to our laboratory September 28, 2016 For your reference, these analyses have been assigned our service request number **R1610416**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7475. You may also contact me via email at Lisa.Reyes@alsglobal.com.

Respectfully submitted,

1 Reges

ALS Group USA, Corp. dba ALS Environmental

Lisa Reyes

Project Manager



## **Narrative Documents**

ALS Environmental—Rochester Laboratory 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623 Phone (585) 288-5380 Fax (585) 288-8475 www.alsglobal.com



Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Sample Matrix: Drinking Water

Service Request:R1610416

Date Received: 9/28/16

#### CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier I data deliverables. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

#### Sample Receipt

Thirty two drinking water samples were received for analysis at ALS Environmental on 9/28/16. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at <6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

#### Metals Analyses:

No significant anomalies were noted with this analysis.

Approved by Date 10/17/2016



#### SAMPLE DETECTION SUMMARY

CLIENT ID: 1	Lab ID: R10	610416-	001			
Analyte	Results	Flag	MDL	PQL	Units	Method
Lead, Total	1.7		0.10	1.0	ug/L	200.8
CLIENT ID: 3	Lab ID: R10	610416-	003			
Analyte	Results	Flag	MDL	PQL	Units	Method
Lead, Total	3.3		0.10	1.0	ug/L	200.8
CLIENT ID: 5	Lab ID: R10	610416-	005			
Analyte	Results	Flag	MDL	PQL	Units	Method
Lead, Total	2.0		0.10	1.0	ug/L	200.8
CLIENT ID: 6	Lab ID: R10	610416-	006			
Analyte	Results	Flag	MDL	PQL	Units	Method
Lead, Total	1.6		0.10	1.0	ug/L	200.8
CLIENT ID: 7	Lab ID: R10	610416-	007			
Analyte	Results	Flag	MDL	PQL	Units	Method
Lead, Total	9.9		0.10	1.0	ug/L	200.8
CLIENT ID: 8	Lab ID: R10	610416-	800			
Analyte	Results	Flag	MDL	PQL	Units	Method
Lead, Total	1.4		0.10	1.0	ug/L	200.8
CLIENT ID: 9	Lab ID: R10	610416-	009			
Analyte	Results	Flag	MDL	PQL	Units	Method
Lead, Total	1.5		0.10	1.0	ug/L	200.8
CLIENT ID: 13	Lab ID: R16	610416-	013			
Analyte	Results	Flag	MDL	PQL	Units	Method
Lead, Total	2.2		0.10	1.0	ug/L	200.8
CLIENT ID: 14	Lab ID: R16	610416-	014			
Analyte	Results	Flag	MDL	PQL	Units	Method
Lead, Total	1.4		0.10	1.0	ug/L	200.8
CLIENT ID: 15	Lab ID: R16	610416-	015			
Analyte	Results	Flag	MDL	PQL	Units	Method
Lead, Total	2.6		0.10	1.0	ug/L	200.8
CLIENT ID: 17	Lab ID: R16	610416-	017			
Analyte	Results	Flag	MDL	PQL	Units	Method
Lead, Total	3.1		0.10	1.0	ug/L	200.8
CLIENT ID: 20	Lab ID: R16	610416-	020			
Analyte	Results	Flag	MDL	PQL	Units	Method
Lead, Total	23.4		0.3	1.0	ug/L	200.8
Lead, Total	20.4		0.0		49,1	200.0



#### SAMPLE DETECTION SUMMARY

CLIENT ID: 21	Lab ID: R1	Lab ID: R1610416-021					
Analyte	Results	Flag	MDL	PQL	Units	Method	
Lead, Total	2.0		0.10	1.0	ug/L	200.8	
CLIENT ID: 25	Lab ID: R1	610416-	025				
Analyte	Results	Flag	MDL	PQL	Units	Method	
Lead, Total	1.2		0.10	1.0	ug/L	200.8	
CLIENT ID: 26	Lab ID: R1	610416-	026				
Analyte	Results	Flag	MDL	PQL	Units	Method	
Lead, Total	1.2		0.10	1.0	ug/L	200.8	
CLIENT ID: 27	Lab ID: R1	610416-	027				
Analyte	Results	Flag	MDL	PQL	Units	Method	
Allalyte	rtoouito						
Lead, Total	1.5		0.10	1.0	ug/L	200.8	
			0.10	1.0		200.8	
Lead, Total	1.5		0.10	1.0		200.8  Method	
Lead, Total  CLIENT ID: 31	1.5 <b>Lab ID: R1</b>	610416-	0.10 <b>031</b>		ug/L		
Lead, Total  CLIENT ID: 31  Analyte	1.5 Lab ID: R1 Results	610416- Flag	0.10 031 MDL 0.10	PQL	ug/L Units	Method	
Lead, Total  CLIENT ID: 31  Analyte  Lead, Total	1.5  Lab ID: R1  Results  7.4	610416- Flag	0.10 031 MDL 0.10	PQL	ug/L Units	Method	



# Sample Receipt Information

ALS Environmental—Rochester Laboratory 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623 Phone (585) 288-5380 Fax (585) 288-8475 www.alsglobal.com Client: Test Assured Network

Project: Pine Valley CSD Elementary School

#### SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R1610416-001	1	9/24/2016	0701
R1610416-002	2	9/24/2016	0705
R1610416-003	3	9/24/2016	0707
R1610416-004	4	9/24/2016	0709
R1610416-005	5	9/24/2016	0710
R1610416-006	6	9/24/2016	0712
R1610416-007	7	9/24/2016	0714
R1610416-008	8	9/24/2016	0720
R1610416-009	9	9/24/2016	0722
R1610416-010	10	9/24/2016	0725
R1610416-011	11	9/24/2016	0726
R1610416-012	12	9/24/2016	0728
R1610416-013	13	9/24/2016	0729
R1610416-014	14	9/24/2016	0731
R1610416-015	15	9/24/2016	0733
R1610416-016	16	9/24/2016	0735
R1610416-017	17	9/24/2016	0736
R1610416-018	18	9/24/2016	0738
R1610416-019	19	9/24/2016	0739
R1610416-020	20	9/24/2016	0739
R1610416-021	21	9/24/2016	0740
R1610416-022	22	9/24/2016	0742
R1610416-023	23	9/24/2016	0744
R1610416-024	24	9/24/2016	0746
R1610416-025	25	9/24/2016	0748
R1610416-026	26	9/24/2016	0750
R1610416-027	27	9/24/2016	0752
R1610416-028	28	9/24/2016	0754
R1610416-029	29	9/24/2016	0755
R1610416-030	30	9/24/2016	0758
R1610416-031	31	9/24/2016	0804
R1610416-032	32	9/24/2016	0805

Ad Graphics Princing 570-688-0685 ARRIVAL ON ICE Y/N out all applicable areas completely. TIME 35 LAB USE ONLY IF YES, PLEASE ATTACH REQUIREMENTS Please fil TIME YSE IS A QC PACKAGE NEEDED? ARE SPECIAL DETECTION LIMITS TIME 욧 DATE: 1786 16 DAFF, 28 16 IFYES, PLEASE ATTACH YES / V.C CETTED SINDO 6 YES S DATE: ပ NEEDED: R1610416
Test Assured Network
Pine Valley CSD Elementary & PADEP Sample Point, Sheet RESULTS ARE BEING USED FOR: PWS ID# Location An Incomplete chain of custody may delay the LANDFILL TEMPERATURE UPON RECEIPT. NYDEC AMMONIUM CHLORIDE ZING AGETATE MERCURIC CHLORIDE DISTILLED WATER PERSONAL OTHER SODIUM HYDROXIDE N E T W O R K YOUR ENVIRONMENTAL LABORATORY & FIELD SERVICE PARTNER processing of your sample(s). ASCORBIC ACID ANALYSIS TO BE PERFORMED (PER CONTAINER) P T ACETIC ACID NYDOH 204 Talmadge Hill West • Waverly, NY SLUDGE SOIL HAZARDOUS FRESSE RECEIVED BY: See NITRIC ACID SODIUM SULFITE SODIUM THIOSULFATE Test Assured HYDROCHLORIC ACID (607) 760-9779 RECEIVED BY: SC SC SO SC HZ HZ OTHER SULFURIC ACID RECEIVED ಠ 8 **DEIONIZED WATER** NONE DRINKING WATER GROUND WATER SURFACE WATER Chlothe Aesidues Total Free WASTE WATER S N SO<sub>3</sub> 00:00 PRESERVATIVE GRAB I COMPOSITE SW SW TIME: TIME DATE: 78/16 HEFRIGERATE SAMPLES SAMPLEMATHIX ی AFTER COLLECTION TIME OF SAMPLING 3 ABORATORY TRANSPORT IN COOLER WITH ICE DATE: DATE: DATESAMPLED 4.24 staglee B co. charterigha. Pine Valley Schools torunswick @ pual. org CHAIN OF CUSTODY DELIVERED BY Brunswick LEA GAMPLINGS Sample Point No/Type 25 PROJECT DESCRIPTION RELINQUISHED BY: RELINQUISHED BY: RELINQUISHED BY: AB USE ONU 3 BILL TO: CONTACT Container FAX# 10 8 0 2 9 ~ 3 4

A	
(ALS)	

### Cooler Receipt and Preservation Check Form

R1610416	5
Test Assured Network Pine Valley CSD Elementary Scho	ol

()		- 1	1-01				211.	1041/-	11			
Project/Clie	nt	est.	/153inTed	F	olde				II			
Cooler receive				: Du					FEDEX VE			
Were Cus	stody seals on	outsio	de of cooler?	Y	N.	5a Perc	hlorat	e samples	have required h	neadspace	? Y	
Custody	papers proper	ly con	npleted (ink,	signed)?	N	5b Did	VOA v	ials, Alk,	or Sulfide have	sig* bubb		_
Did all bo	ttles arrive in	good o	condition (ur	ibroken)?	N	6 Whe	re did t	he bottles	originate?	ALS/R	C C	CKENT
Circle: V	Vet Co Dry	Ice (	Gel packs	present?	N	7 Soil	VOA r	eceived a	s: Bulk	Encore	5035set	\$\bar{A}
Temperatur	e Readings	Da	nte: 91781	16 Time: 19	05	ID	: IR#5	R#6	From	: Temp I	Blank S	ample Bet
Observed Te			2140	0.5.		1100						
Correction F			20:0	20.6		20.0.	-					
Corrected Te			7.4'	015	_	110'	-				<u>.</u>	V N
Within 0-6°C			Ø N	& N		⊗ N	Y		YN		N ·	Y N Y N
	e samples froz		Y N	Y N		Y N	Y		Y N		N D	
If out of T	emperature,	note p	oacking/ice o	ondition:		Ice me	lted		ly Packed		e Day Ru	
&Client A	pproval to R	un Sa	mples:	Standing	Appr	roval Clien	nt awar	e at drop-	off Client no	tified by:		
All samples	held in storag	e loca	tion:	R-coz	by	DW	on	0/1281	lle at i	905		
035 sample	s placed in sto	orage	location:		_		on		at			
						CORDINARY WOOD	THE LEVY OF	NA COMPANY S	Water State of the			775-677-77
Cooler Bre	akdown: Dat	e:	10/4/16	Time: 7	1041	b	y: 0	w				
1. W	ere all bottle	labels	complete (i.e	analysis, prese		on, etc.)?			ES NO			
2. D	id all bottle la	bels ar	nd tags agree	with custody pa	apers'	?		Y	ES NO			
				e tests indicate							XT	•
				tra labels, not le			!		ES NO	flotad	N. A.	74
	ir Samples: C y discrepanci		es / Tubes Int	act	Cai	nisters Press	urized		Tedlar® Bags It	mated	CN/	А
pH	Reagent	Yes	No Lot	Received	Exp	Sample I	D	Vol.	Lot Added	Fin	al Y	es=All
pii	reagem		1.0					Added	1	pН	sa	mples OK
≥12	NaOH											0 1
≤2	HNO <sub>3</sub>		/			-001-7 0	32	1.0	80B2612F	<u> </u>		o=Samples ere
\$2	H <sub>2</sub> SO <sub>4</sub>				-						1	eserved at
<4	NaHSO <sub>4</sub>		I I I	contact DM to	-	+			-		_	ne lab as
Residual Chlorine	For CN Phenol			contact PM to Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (CN),						1		sted
	and 522			bic (phenol).								
(-)	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	-	1.		-	<del> </del>					P!	M OK to
	ZnAcetate	-	1.			**Not to	be test	ed before	analysis - pH	tested and	d A	djust:
	HCl	**	**						separate worksh		_	
			1		*				Sec.		and out	
Bottle lot r	numbers:	oreer	mad.									
Other Com	ments:									r		
											CLRES	BULK
											DO	FLDT
											HPROD	HGFB
										1	HTR	LL3541
											PH	SUB
										1	SO3	MARRS
										ŀ	ALS	REV
										l	ALG	100 /

PC Secondary Review:

P:\INTRANET\QAQC\Forms Controlled\Cooler Receipt r12.doc

<sup>\*</sup>significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter



## Miscellaneous Forms

ALS Environmental—Rochester Laboratory 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623 Phone (585) 288-5380 Fax (585) 288-8475 www.alsglobal.com



#### REPORT QUALIFIERS AND DEFINITIONS

- U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
- J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
- B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
- E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
- E Organics- Concentration has exceeded the calibration range for that specific analysis.
- D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
- \* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
- H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
- # Spike was diluted out.

- + Correlation coefficient for MSA is <0.995.
- N Inorganics- Matrix spike recovery was outside laboratory limits.
- N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
- S Concentration has been determined using Method of Standard Additions (MSA).
- W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
- P Concentration >40% (25% for CLP) difference between the two GC columns.
- C Confirmed by GC/MS
- Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
- X See Case Narrative for discussion.
- MRL Method Reporting Limit. Also known as:
- LOQ Limit of Quantitation (LOQ)

  The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
- MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
- LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.
- ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



#### Rochester Lab ID # for State Certifications1

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID #
Delaware Accredited	Nebraska Accredited	294100 A/B
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047	North Carolina #676	Virginia #460167

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <a href="http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads">http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads</a>

#### **ALS Laboratory Group**

#### Acronyms

ASTM American Society for Testing and Materials

A2LA American Association for Laboratory Accreditation

CARB California Air Resources Board

CAS Number Chemical Abstract Service registry Number

CFC Chlorofluorocarbon CFU Colony-Forming Unit

DEC Department of Environmental Conservation
DEQ Department of Environmental Quality

DHS Department of Health Services

DOE Department of Ecology
DOH Department of Health

EPA U. S. Environmental Protection Agency

ELAP Environmental Laboratory Accreditation Program

GC Gas Chromatography

GC/MS Gas Chromatography/Mass Spectrometry

LUFT Leaking Underground Fuel Tank

M Modified

MCL Maximum Contaminant Level is the highest permissible concentration of a

substance allowed in drinking water as established by the USEPA.

MDL Method Detection Limit
MPN Most Probable Number
MRL Method Reporting Limit

NA Not Applicable NC Not Calculated

NCASI National Council of the Paper Industry for Air and Stream Improvement

ND Not Detected

NIOSH National Institute for Occupational Safety and Health

PQL Practical Quantitation Limit

RCRA Resource Conservation and Recovery Act

SIM Selected Ion Monitoring
TPH Total Petroleum Hydrocarbons

tr Trace level is the concentration of an analyte that is less than the PQL but

greater than or equal to the MDL.

Analyst Summary report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Service Request: R1610416

Sample Name:

Lab Code:

ipie Name.

R1610416-001

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Sample Name:

Lab Code:

2

R1610416-002

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Sample Name:

3

Lab Code:

R1610416-003

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Sample Name:

4

Lab Code:

R1610416-004

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

CKUTZER

Sample Name:

Sample Matrix:

5

Lab Code:

R1610416-005

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Printed 10/17/2016 3:23:02 PM

Superset Reference:16-0000396184 rev 00

Analyst Summary report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Service Request: R1610416

Sample Name:

Lab Code:

6

R1610416-006

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Sample Name:

Lab Code:

7

R1610416-007

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Sample Name:

8

Lab Code:

R1610416-008

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Sample Name:

9

Lab Code:

R1610416-009

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Sample Name:

10

Lab Code:

R1610416-010

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Printed 10/17/2016 3:23:02 PM

Superset Reference:16-0000396184 rev 00

Analyst Summary report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Service Request: R1610416

Sample Name:

Lab Code:

11

R1610416-011

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Sample Name:

Lab Code:

12

R1610416-012

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

CKUTZER

Sample Name:

13

Lab Code:

R1610416-013

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

Sample Matrix:

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Sample Name:

14

Lab Code:

R1610416-014

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Sample Name:

15

Lab Code:

R1610416-015

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Printed 10/17/2016 3:23:02 PM

Superset Reference:16-0000396184 rev 00

Analyst Summary report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Service Request: R1610416

Sample Name:

16

Lab Code:

R1610416-016

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Sample Name:

Lab Code:

17

R1610416-017

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

CKUTZER

Sample Name:

18

Lab Code:

R1610416-018

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Sample Name:

19

Lab Code:

R1610416-019

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

Analysis Method

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Sample Name:

20

Lab Code:

R1610416-020

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

Sample Matrix:

200.8

Extracted/Digested By

**Analyzed By** CGILDAY

CBURLESON

COILDAI

Printed 10/17/2016 3:23:02 PM

Superset Reference:16-0000396184 rev 00

Analyst Summary report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Service Request: R1610416

Sample Name:

21

Lab Code: Sample Matrix: R1610416-021

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

CKUTZER

Sample Name:

Lab Code:

22

R1610416-022

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Sample Name:

23

Lab Code:

R1610416-023

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Sample Name:

24

Lab Code:

R1610416-024

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Sample Name:

25

Lab Code: Sample Matrix: R1610416-025

Drinking Water

**Date Collected:** 09/24/16 **Date Received:** 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Printed 10/17/2016 3:23:03 PM

Superset Reference:16-0000396184 rev 00

Analyst Summary report

Extracted/Digested By

Extracted/Digested By

Extracted/Digested By

Extracted/Digested By

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Lab Code:

R1610416-026

Sample Matrix:

Sample Name:

Drinking Water

**Analysis Method** 

200.8

Sample Name: Lab Code:

R1610416-027

Sample Matrix:

Drinking Water

**Analysis Method** 

200.8

28

Sample Name: Lab Code:

R1610416-028

Sample Matrix:

Drinking Water

**Analysis Method** 

200.8

Sample Name:

Lab Code:

R1610416-029

29

Sample Matrix:

Drinking Water

**Analysis Method** 

200.8

Sample Name: 30

Lab Code:

R1610416-030

Sample Matrix:

Drinking Water

Analysis Method

200.8

Extracted/Digested By

Analyzed By

Service Request: R1610416

Date Collected: 09/24/16

Date Received: 09/28/16

Analyzed By

**CKUTZER** 

Analyzed By

Analyzed By

**CKUTZER** 

Analyzed By

**CKUTZER** 

**CKUTZER** 

**CKUTZER** 

Printed 10/17/2016 3:23:03 PM

Superset Reference:16-0000396184 rev 00

Analyst Summary report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Service Request: R1610416

Sample Name:

31

31

Lab Code:

R1610416-031

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Sample Name:

Lab Code:

32

R1610416-032

Sample Matrix:

Drinking Water

Date Collected: 09/24/16

Date Received: 09/28/16

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CKUTZER** 

Sample Name:

Batch QC

Lab Code:

R1610678-001

Sample Matrix:

Drinking Water

Date Collected: NA

Date Received: NA

**Analysis Method** 

200.8

Extracted/Digested By

Analyzed By

**CBURLESON** 

CGILDAY



#### **INORGANIC PREPARATION METHODS**

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

#### Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid	9030B
Soluble	
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual	SM 4500-CN-G
Cyanide	
SM 4500-CN-E WAD	SM 4500-CN-I
Cyanide	

#### Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation
422 Aug 1	Method
6010C	3050B
6020A	3050B
6010C TCLP (1311)	3005A/3010A
extract	
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/	DI extraction
353.2/ SM 2320B/ SM	
5210B/ 9056A Anions	

For analytical methods not listed, the preparation method is the same as the analytical method reference.



# Sample Results

ALS Environmental—Rochester Laboratory 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623 Phone (585) 288-5380 Fax (585) 288-8475 www.alsglobal.com





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Analytical Report

Client:

Test Assured Network

Project: Pine Valley CSD Ele

1

Pine Valley CSD Elementary School

Sample Matrix:

Drinking Water

Service Request: R1610416

Date Collected: 09/24/16 07:01

Date Received: 09/28/16 18:56

Basis: NA

Sample Name: Lab Code:

R1610416-001

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.7	ug/L	1.0	1	10/11/16 18:18	

Analytical Report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Sample Matrix:

Drinking Water

Sample Name: Lab Code:

2 R1610416-002 Service Request: R1610416

Date Collected: 09/24/16 07:05

Date Received: 09/28/16 18:56

Basis: NA

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.0 U	ug/L	1.0	1	10/11/16 18:22	

Analytical Report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Sample Matrix:

Drinking Water

Date Collected: 09/24/16 07:07

Service Request: R1610416

Date Received: 09/28/16 18:56

Sample Name:

Basis: NA

Lab Code:

R1610416-003

3

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	3.3	ug/L	1.0	1	10/11/16 18:26	

Analytical Report

Client:

Test Assured Network

Service Request: R1610416

Project:

Pine Valley CSD Elementary School

Date Collected: 09/24/16 07:09

Sample Matrix:

Drinking Water

Date Received: 09/28/16 18:56

Sample Name:

4

Basis: NA

Lab Code:

R1610416-004

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.0 U	ug/L	1.0	1	10/11/16 18:30	

Analytical Report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Sample Matrix:

Drinking Water

5

Sample Name: Lab Code:

R1610416-005

Service Request: R1610416

**Date Collected:** 09/24/16 07:10

Date Received: 09/28/16 18:56

Basis: NA

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	0
Lead, Total	200.8	2.0	/T	1.0	1		
Lead, Loiai	200.X	2.0	110/	1.0	All and	10/11/16 18:56	

Analytical Report

Client: Project: Test Assured Network

Pine Valley CSD Elementary School

Sample Matrix:

Drinking Water

R1610416-006

Sample Name: Lab Code:

6

Service Request: R1610416

Date Collected: 09/24/16 07:12

Date Received: 09/28/16 18:56

Basis: NA

Q

**Inorganic Parameters** 

Analysis Analyte Name Method Units MRL Result Dil. Date Analyzed Lead, Total 10/11/16 19:07 200.8 1.6 ug/L 1.0

Analytical Report

Client:

Test Assured Network

Project:

Lab Code:

Pine Valley CSD Elementary School

Sample Matrix:

Drinking Water

Sample Name:

7

R1610416-007

Service Request: R1610416

Date Collected: 09/24/16 07:14

Date Received: 09/28/16 18:56

Basis: NA

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	9.9	ug/L	1.0	1	10/11/16 19:11	

Analytical Report

Client: Project: Test Assured Network

Pine Valley CSD Elementary School

Sample Matrix:

Drinking Water

Sample Name: Lab Code: 8

R1610416-008

Service Request: R1610416

Date Collected: 09/24/16 07:20

Date Received: 09/28/16 18:56

Basis: NA

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.4	ug/L	1.0	1	10/11/16 19:15	

Analytical Report

Client:

Sample Matrix:

Sample Name:

Lab Code:

Test Assured Network

Project: Pine Valley CSD Elementary School

Drinking Water

9

R1610416-009

Service Request: R1610416

Date Collected: 09/24/16 07:22

Date Received: 09/28/16 18:56

Basis: NA

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.5	ug/L	1.0	1	10/11/16 19:19	

Analytical Report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Sample Matrix:

Drinking Water

Service Request: R1610416 Date Collected: 09/24/16 07:25

Date Received: 09/28/16 18:56

Sample Name:

10

Basis: NA

Lab Code:

R1610416-010

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.0 U	ug/L	1.0	1	10/11/16 19:30	

Analytical Report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Drinking Water

Sample Matrix: Sample Name:

Lab Code:

11

R1610416-011

Service Request: R1610416

Date Collected: 09/24/16 07:26

Date Received: 09/28/16 18:56

Basis: NA

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.0 U	ug/L	1.0	1	10/11/16 19:34	

Analytical Report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Sample Matrix:

Sample Name:

Drinking Water

12

Lab Code:

R1610416-012

Service Request: R1610416

Date Collected: 09/24/16 07:28

Date Received: 09/28/16 18:56

Basis: NA

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.0 U	ug/L	1.0	1	10/11/16 19:37	

Analytical Report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Sample Matrix:

Drinking Water

Service Request: R1610416 Date Collected: 09/24/16 07:29

Sample Name:

13

Date Received: 09/28/16 18:56

Basis: NA

Lab Code:

R1610416-013

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	2.2	ug/L	1.0	1	10/11/16 19:41	

Analytical Report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Drinking Water

Sample Matrix: Sample Name:

14

Lab Code:

R1610416-014

Service Request: R1610416

**Date Collected:** 09/24/16 07:31

Date Received: 09/28/16 18:56

Basis: NA

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.4	ug/L	1.0	1	10/11/16 19:45	

Analytical Report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Sample Matrix:

Drinking Water

Date Received: 09/28/16 18:56

Service Request: R1610416

Date Collected: 09/24/16 07:33

Basis: NA

Sample Name: Lab Code:

R1610416-015

15

**Inorganic Parameters** 

Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	2.6	ug/L	1.0	1	10/11/16 19:49	,

Analytical Report

Client:

Test Assured Network

Service Request: R1610416

Project:

Pine Valley CSD Elementary School

Date Collected: 09/24/16 07:35

Sample Matrix:

Drinking Water

Date Received: 09/28/16 18:56

Sample Name:

16

Basis: NA

Lab Code:

R1610416-016

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	<b>Date Analyzed</b>	Q
Lead, Total	200.8	1.0 U	ug/L	1.0	1	10/11/16 20:00	

Analytical Report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Sample Matrix:

Drinking Water

17

Sample Name: Lab Code:

R1610416-017

Service Request: R1610416

Date Collected: 09/24/16 07:36

Date Received: 09/28/16 18:56

Basis: NA

**Inorganic Parameters** 

Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	3.1	ug/L	1.0	1	10/11/16 20:04	

Analytical Report

Client: Project: Test Assured Network

Pine Valley CSD Elementary School

Sample Matrix:

Drinking Water

Service Request: R1610416

Date Collected: 09/24/16 07:38

Date Received: 09/28/16 18:56

Sample Name:

18

Basis: NA

Lab Code:

R1610416-018

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.0 U	ug/L	1.0	1	10/11/16 20:15	

Analytical Report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Sample Matrix:

Drinking Water

Sample Name: Lab Code:

19

R1610416-019

Service Request: R1610416

Date Collected: 09/24/16 07:39

Date Received: 09/28/16 18:56

Basis: NA

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.0 U	ug/L	1.0	1	10/11/16 20:19	

Analytical Report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Sample Matrix:

Sample Name:

Drinking Water

20

Lab Code:

R1610416-020

Service Request: R1610416

Date Collected: 09/24/16 07:39

Date Received: 09/28/16 18:56

Basis: NA

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	0
Lead Total	200.8	23.4	ng/I	1.0	1	10/13/16 18:12	10/10/16	

Analytical Report

Client:

Test Assured Network

Service Request: R1610416

Project:

Pine Valley CSD Elementary School

Date Collected: 09/24/16 07:40

Sample Matrix:

Drinking Water

Date Received: 09/28/16 18:56

Sample Name:

21

Basis: NA

Lab Code:

R1610416-021

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	2.0	ug/L	1.0	1	10/11/16 20:23	

Analytical Report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Sample Matrix:

Drinking Water

Service Request: R1610416 Date Collected: 09/24/16 07:42

Date Received: 09/28/16 18:56

Sample Name:

22

Basis: NA

Lab Code:

R1610416-022

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.0 U	ug/L	1.0	1	10/11/16 20:26	

Analytical Report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Sample Matrix:

Drinking Water

Service Request: R1610416 Date Collected: 09/24/16 07:44

Date Received: 09/28/16 18:56

Sample Name:

23

Lab Code:

R1610416-023

Basis: NA

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.0 U	ug/L	1.0	1	10/11/16 20:30	

Analytical Report

Client:

Test Assured Network

Pine Valley CSD Elementary School

Service Request: R1610416 **Date Collected:** 09/24/16 07:46

Project: Sample Matrix:

Drinking Water

Date Received: 09/28/16 18:56

Sample Name:

24

Basis: NA

Lab Code:

R1610416-024

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	<b>Date Analyzed</b>	Q
Lead, Total	200.8	1.0 U	ug/L	1.0	1	10/11/16 20:34	

Analytical Report

Client: Test Assured Network

Project: Pine Valley CSD Elementary School Date Collected: 09/24/16 07:48

Service Request: R1610416

Sample Matrix:

Drinking Water

Date Received: 09/28/16 18:56

Sample Name: Lab Code:

25

R1610416-025

Basis: NA

### **Inorganic Parameters**

Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.2	ug/L	1.0	1	10/11/16 20:38	

Analytical Report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Sample Matrix:

Drinking Water

Service Request: R1610416 Date Collected: 09/24/16 07:50

Date Received: 09/28/16 18:56

Sample Name:

26

Basis: NA

Lab Code:

R1610416-026

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.2	ug/L	1.0	1	10/11/16 21:00	

Analytical Report

Client:

Test Assured Network

Project: Pine Valley CSD Elementary School

Drinking Water

Sample Name:

Sample Matrix:

27

Lab Code:

R1610416-027

Service Request: R1610416

Date Collected: 09/24/16 07:52

Date Received: 09/28/16 18:56

Basis: NA

**Inorganic Parameters** 

Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.5	ug/L	1.0	1	10/11/16 21:12	

Analytical Report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Sample Matrix:

Drinking Water

Dillik

Sample Name: Lab Code: 28

R1610416-028

Service Request: R1610416

**Date Collected:** 09/24/16 07:54

Date Collected. 63/2 1/16 67:31

**Date Received:** 09/28/16 18:56

Basis: NA

### **Inorganic Parameters**

<b>Analyte Name</b>	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.0 U	ug/L	1.0	1	10/11/16 21:15	

Analytical Report

Client: Project: Test Assured Network

Pine Valley CSD Elementary School

Date Collected: 09/24/16 07:55

Service Request: R1610416

Sample Matrix:

Drinking Water

Date Received: 09/28/16 18:56

Sample Name:

29

Lab Code:

R1610416-029

Basis: NA

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.0 U	ug/L	1.0	1	10/11/16 21:19	

Analytical Report

Client: Project: Test Assured Network

Pine Valley CSD Elementary School

Sample Matrix:

Drinking Water

Sample Name: Lab Code: 30

R1610416-030

Service Request: R1610416

Date Collected: 09/24/16 07:58

Date Received: 09/28/16 18:56

Basis: NA

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	<b>Date Analyzed</b>	Q
Lead, Total	200.8	1.0 U	ug/L	1.0	1	10/11/16 21:23	

Analytical Report

Client:

Test Assured Network

Project: Pine Valley CSD Elementary School

Date Collected: 09/24/16 08:04

Service Request: R1610416

Sample Matrix:

Drinking Water

Date Received: 09/28/16 18:56

Sample Name:

31

Basis: NA

Lab Code:

R1610416-031

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	7.4	ug/L	1.0	1	10/11/16 21:27	

Analytical Report

Client:

Test Assured Network

Project:

Pine Valley CSD Elementary School

Sample Matrix:

Sample Name:

Drinking Water

\_\_\_\_\_

Lab Code:

32

R1610416-032

Service Request: R1610416

**Date Collected:** 09/24/16 08:05

Date Received: 09/28/16 18:56

Basis: NA

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.5	ug/L	1.0	1	10/11/16 21:38	



# **QC Summary Forms**

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# Metals

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Analytical Report

Client:

Test Assured Network

Service Request: R1610416

Project:

Pine Valley CSD Elementary School

Date Collected: NA

Sample Matrix:

Drinking Water

Date Received: NA

Sample Name:

Method Blank

Basis: NA

Lab Code:

R1610416-MB1

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Total	200.8	1.0 U	ug/L	1.0	1	10/13/16 17:53	10/10/16	
Lead, Total	200.8	1.0 U	ug/L	1.0	1	10/11/16 16:40	NA	

Analytical Report

Client:

Test Assured Network

Service Request: R1610416

Project:

Pine Valley CSD Elementary School

Date Collected: NA

Sample Matrix:

Drinking Water

Date Received: NA

Sample Name:

Method Blank

Basis: NA

Lab Code:

R1610416-MB2

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	<b>Date Analyzed</b>	Q
Lead, Total	200.8	1.0 U	ug/L	1.0	1	10/11/16 18:48	

Analytical Report

Client:

Test Assured Network

Service Request: R1610416

Project:

Pine Valley CSD Elementary School

Date Collected: NA

Sample Matrix:

Drinking Water

Date Received: NA

Sample Name:

Method Blank

Basis: NA

Lab Code:

R1610416-MB3

	Analysis						
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Lead, Total	200.8	1.0 U	ug/L	1.0	1	10/11/16 20:53	