

ANALYTICAL REPORT

Job Number: 420-109128-1 SDG Number: East Ramapo CSD 2016-090 Central Kitchen Job Description: Rockland BOCES

> For: Rockland BOCES 65 Parrott Road, B-4 West Nyack, NY 10994

Attention: Seth Armstrong

Debra Ba

Debra Bayer Customer Service Manager dbayer@envirotestlaboratories.com 08/25/2016

cc: John Gulino

NYSDOH ELAP does not certify for all parameters. EnviroTest Laboratories does hold certification for all analytes where certification is offered by ELAP unless otherwise specified in the Certification Information section of this report. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval of the laboratory. EnviroTest Laboratories Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our laboratory. All questions regarding this report should be directed to the EnviroTest Customer Service Representative.

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EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554



METHOD SUMMARY

Client: Rockland BOCES

Job Number: 420-109128-1 SDG Number: East Ramapo CSD 2016-090 Central Kitchen

Description	Lab Location	Method Preparation	on Method
Matrix: Water			
ICPMS Metals by 200.8	EnvTest	EPA 200.8 Rev.5.4	
200 Series Drinking Water Prep Determination Step	EnvTest	EPA 200	
Lab References:			
EnvTest = EnviroTest			
Method References:			

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Rockland BOCES

Job Number: 420-109128-1 SDG Number: East Ramapo CSD 2016-090 Central Kitchen

Method	Analyst	Analyst ID
EPA 200.8 Rev.5.4	Palentino, Gus J	GJP
EPA 200.8 Rev.5.4	Sirico, Derek	DS

SAMPLE SUMMARY

Client: Rockland BOCES

Job Number: 420-109128-1 SDG Number: East Ramapo CSD 2016-090 Central Kitchen

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-109128-1	16-90-ER-NCK-OT-001	Drinking Water	08/19/2016 0533	08/19/2016 1010
420-109128-2	16-90-ER-NCK-SC-002	Drinking Water	08/19/2016 0535	08/19/2016 1010
420-109128-3	16-90-ER-NCK-KF(A)-003	Drinking Water	08/19/2016 0537	08/19/2016 1010
420-109128-4	16-90-ER-NCK-KF(B)-004	Drinking Water	08/19/2016 0538	08/19/2016 1010
420-109128-5	16-90-ER-NCK-KF(C)-005	Drinking Water	08/19/2016 0540	08/19/2016 1010
420-109128-6	16-90-ER-NCK-KF(D)-006	Drinking Water	08/19/2016 0540	08/19/2016 1010
420-109128-7	16-90-ER-NCK-KF(A)-007	Drinking Water	08/19/2016 0545	08/19/2016 1010
420-109128-8	16-90-ER-NCK-KF(B)-008	Drinking Water	08/19/2016 0540	08/19/2016 1010
420-109128-9	16-90-ER-NCK-OT(A)-009	Drinking Water	08/19/2016 0543	08/19/2016 1010
420-109128-10	16-90-ER-NCK-OT(B)-010	Drinking Water	08/19/2016 0544	08/19/2016 1010
420-109128-12	16-90-ER-NCK-OT(D)-012	Drinking Water	08/19/2016 0545	08/19/2016 1010
420-109128-13	16-90-ER-NCK-OT(E)-013	Drinking Water	08/19/2016 0546	08/19/2016 1010
420-109128-14	16-90-ER-NCK-DW-014	Drinking Water	08/19/2016 0535	08/19/2016 1010
420-109128-15	16-90-ER-NCK-DW-015	Drinking Water	08/19/2016 0536	08/19/2016 1010
420-109128-16	16-90-ER-NCK-BF-016	Drinking Water	08/19/2016 0538	08/19/2016 1010
420-109128-17	16-90-ER-NCK-BF-017	Drinking Water	08/19/2016 0537	08/19/2016 1010
420-109128-18	16-90-ER-NCK-KF(E)018	Drinking Water	08/19/2016 0541	08/19/2016 1010
420-109128-19	16-90-ER-NCK-OT-019	Drinking Water	08/19/2016 0549	08/19/2016 1010
420-109128-20	16-90-ER-NCK-OT-020	Drinking Water	08/19/2016 0548	08/19/2016 1010

Client Sample ID: Lab Sample ID:	16-90-ER-NCK-OT-001 420-109128-1		Date	Sampled: Received: t Matrix:	08/19/2016 0533 08/19/2016 1010 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200	5.4		Date Ana Date Pre	5	08/20/2016 0127 08/19/2016 1300	
Lead		12.6	ug/L	1.00	1.00	1.0

Client Sample ID: Lab Sample ID:	16-90-ER-NCK-SC-002 420-109128-2		Date	Sampled: Received: t Matrix:	08/19/2016 0535 08/19/2016 1010 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200	5.4		Date Ana Date Pre		08/20/2016 0131 08/19/2016 1300	
Lead		8.81	ug/L	1.00	1.00	1.0

Client Sample ID: 16-90-ER-NCK-KF(A)-003 Lab Sample ID: 420-109128-3		1	Date	Sampled: Received: t Matrix:	08/19/2016 0537 08/19/2016 1010 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200	5.4		Date Ana Date Pre	pared:	08/20/2016 0134 08/19/2016 1300	
Lead		4.04	ug/L	1.00	1.00	1.0

Client Sample ID: 16-90-ER-NCK-KF(B)-004 Lab Sample ID: 420-109128-4		L	Date	Sampled: Received: t Matrix:	08/19/2016 0538 08/19/2016 1010 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Lead	5.4	6.21	Date Ana Date Pre ug/L	,	08/20/2016 0138 08/19/2016 1300 1.00	1.0

Client Sample ID: 16-90-ER-NCK-KF(C)-005 Lab Sample ID: 420-109128-5		5	Date	Sampled: Received: t Matrix:	08/19/2016 0540 08/19/2016 1010 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Lead	5.4	3.96	Date Ana Date Pre ug/L	,	08/20/2016 0141 08/19/2016 1300 1.00	1.0

Client Sample ID: Lab Sample ID:	16-90-ER-NCK-KF(D)-006 420-109128-6	3	Date	Sampled: Received: t Matrix:	08/19/2016 0540 08/19/2016 1010 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.	5.4		Date Ana	alyzed:	08/20/2016 0145	
Prep Method: 200			Date Pre	pared:	08/19/2016 1300	
Lead		7.71	ug/L	1.00	1.00	1.0

Client Sample ID: Lab Sample ID:	16-90-ER-NCK-KF(A)-007 420-109128-7	,		Date	Sampled: Received: t Matrix:	08/19/2016 0545 08/19/2016 1010 Drinking Water	
Analyte		Result/Qua	lifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Lead	5.4	17.2	g	Date An Date Pre ug/L	,	08/20/2016 0148 08/19/2016 1300 1.00	1.0

Client Sample ID: Lab Sample ID:	16-90-ER-NCK-KF(B)-008 420-109128-8	1	Date	Sampled: Received: Matrix:	08/19/2016 0540 08/19/2016 1010 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200	5.4		Date Ana Date Pre	5	08/20/2016 1205 08/19/2016 1300	
Lead		9.74	ug/L	1.00	1.00	1.0

Client Sample ID: Lab Sample ID:	16-90-ER-NCK-OT(A)-009 420-109128-9)		Date	Sampled: Received: t Matrix:	08/19/2016 0543 08/19/2016 1010 Drinking Water	
Analyte		Result/Qua	alifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Lead	5.4	257	g	Date Ana Date Pre ug/L	,	08/20/2016 1208 08/19/2016 1300 1.00	1.0

20-109128-10				te Received: ent Matrix:	08/19/2016 1010 Drinking Water	
	Result/Qua	alifier	Unit	RL	RL	Dilution
	70 5		Date F	Prepared:	08/24/2016 2010 08/22/2016 1230	1.0
			Result/Qualifier	Cli Result/Qualifier Unit Date A Date F	Client Matrix: Result/Qualifier Unit RL Date Analyzed: Date Prepared:	Client Matrix: Drinking Water Result/Qualifier Unit RL RL Date Analyzed: 08/24/2016 2010 Date Prepared: 08/22/2016 1230

Client Sample ID: Lab Sample ID:	16-90-ER-NCK-OT(D)-012 420-109128-12	2		Date	Sampled: Received: t Matrix:	08/19/2016 0545 08/19/2016 1010 Drinking Water	
Analyte		Result/Qua	llifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Lead	5.4	59.8	g	Date Ana Date Pre ug/L	,	08/20/2016 1212 08/19/2016 1300 1.00	1.0

Client Sample ID: Lab Sample ID:	16-90-ER-NCK-OT(E)-013 420-109128-13	3		Date	Sampled: Received: t Matrix:	08/19/2016 0546 08/19/2016 1010 Drinking Water	
Analyte		Result/Qua	alifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Lead	5.4	51.7	g	Date Ana Date Pre ug/L	,	08/20/2016 1215 08/19/2016 1300 1.00	1.0

Client Sample ID: Lab Sample ID:	16-90-ER-NCK-DW-014 420-109128-14		Date	Sampled: Received: t Matrix:	08/19/2016 0535 08/19/2016 1010 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200	5.4		Date Ana Date Pre		08/20/2016 1219 08/19/2016 1300	
Lead		<1.00	ug/L	1.00	1.00	1.0

Client Sample ID: Lab Sample ID:	16-90-ER-NCK-DW-015 420-109128-15		Date	Sampled: Received: Matrix:	08/19/2016 0536 08/19/2016 1010 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200	5.4		Date Ana Date Pre	,	08/20/2016 1222 08/19/2016 1300	
Lead		<1.00	ug/L	1.00	1.00	1.0

Client Sample ID: Lab Sample ID:	16-90-ER-NCK-BF-016 420-109128-16		Date	Sampled: Received: t Matrix:	08/19/2016 0538 08/19/2016 1010 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200	5.4		Date Ana Date Pre	,	08/20/2016 1226 08/19/2016 1300	
Lead		5.84	ug/L	1.00	1.00	1.0

Client Sample ID: Lab Sample ID:	16-90-ER-NCK-BF-017 420-109128-17		Date	Sampled: Received: t Matrix:	08/19/2016 0537 08/19/2016 1010 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200	5.4		Date Ana Date Pre	,	08/20/2016 1247 08/19/2016 1300	
Lead		5.56	ug/L	1.00	1.00	1.0

Client Sample ID: Lab Sample ID:	16-90-ER-NCK-KF(E)018 420-109128-18		Date	Sampled: Received: t Matrix:	08/19/2016 0541 08/19/2016 1010 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200 Lead	5.4	6.48	Date An Date Pre ug/L	,	08/20/2016 1250 08/19/2016 1300 1.00	1.0

Client Sample ID: Lab Sample ID:	16-90-ER-NCK-OT-019 420-109128-19			Date	Sampled: Received: t Matrix:	08/19/2016 0549 08/19/2016 1010 Drinking Water	
Analyte		Result/Qua	llifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200	5.4	40.0	_	Date An Date Pre	epared:	08/20/2016 1254 08/19/2016 1300	1.0
Lead		16.9	g	ug/L	1.00	1.00	1.0

Client Sample ID: Lab Sample ID:	16-90-ER-NCK-OT-020 420-109128-20		Date	Sampled: Received: t Matrix:	08/19/2016 0548 08/19/2016 1010 Drinking Water	
Analyte		Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev. Prep Method: 200	5.4		Date Ana Date Pre	,	08/20/2016 1257 08/19/2016 1300	
Lead		13.1	ug/L	1.00	1.00	1.0

DATA REPORTING QUALIFIERS

Client: Rockland BOCES

Job Number: Sdg Number: East Ramapo CSD 2016-090 Central Kitchen

Lab Section	Qualifier	Description
Metals		
WE LOIS		
	g	Result fails applicable NYS drinking water standards

Client: Rockland BOCES

Job Number:

Sdg Number: East Ramapo CSD 2016-090 Central Kitchen

The following analytes are Not Part of the ELAP scope of accreditation

Sulfur, Tungsten, Silicon, Bicarbonate Alkalinity, 7 Day BOD 5210C, 28 Day BOD, Soluble BOD, Carbon Dioxide, Carbonate Alkalinity, CBOD Soluble, Chlorine, Cyanide (WAD), Ferrous Iron, Ferric Iron, Total Nitrogen, Total Organic Nitrogen, Dissolved Oxygen, pH, Phenolpthalien Alkalinity, Solids (Fixed), Solids (Percent), Solids (Percent Moisture), Solids (Percent Volatile), Solids (Volatile Suspended), Temperature, TKN (Soluble), Total Inorganic Carbon, Volatile Acids as Acetic Acid, 2-Aminopyridine, 3-Picoline, 1-Methyl-2-pyrrilidinone, Aziridine, Dimethyl sulfoxide, 1-Chlorohexane, Iron Bacteria, Salmonella, & Sulfur Reducing Bacteria.

The following analytes are Not Part of ELAP Potable Water scope of accreditation

Cobalt (200.7, 200.8), Tin (200.7), Strontium (200.7), Gold (200.7), Platinum (200.7), Palladium (200.7), Titanium (200.7), Phosphorus (365.3), Nitrate-Nitrite (10-107-4-1C, 353.2), m-Xylene & p-Xylene (502.2, 524), Naphthalene (502.2), o-Xylene (502.2, 524), & Fecal Coliform (9222D).

The following analytes are Not Part of ELAP Solid and Hazardous Waste scope of accreditation

Ammonia (SM 4500NH3G), TKN (351.2), Phosphorus (365.3), 1,2-Dichloro-1,1,2-trifluoroethane (8260), & Chlorodifluoromethane (8260).

The following analytes are Not Part of ELAP Non Potable Water scope of accreditation

Dissolved Organic Carbon (5310C), Mecoprop (8151A), & MCPA (8151A).

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Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points

FURNAROUND TIME REMARKS REPORT# (Lab Use Only) 80 65 073 Lead (DW 200.8) Ĭ Reveiwed by #OF COOLERS NORMAL PAGE 1 of 8/19/16 VERBAL QUICK DATE othe COMPA 3 Lab Name EnviroTest Laboratories Address & Phone 315 Fullerton Avenue, Newburgh, New York 12550 845-562-0890 othe NUMBER OF CONTAINERS SUBMITTED ioD smaT ICE (Y N PH REQUIRED ANALYSES 250ml Plastic Liter Plastic S50ml Plastic Sulfuric Acid BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) CABORATORY REMARKS: bioA ointiN oitesIA Im085 -~ Ţ delier DH 19dmA 19ti CHAIN OF CUSTODY IOH SIRIV IMOR Total # of Containers RCM # IME LOLD $\tilde{\times}$ MATRIX TYPE GITOSIWES NO GITOS S,D s D s D s D S ng Water) or W (Waste Water) Indicate S D SD iyininQ) (Δ S D S D SD S D SD S BATE TIME CUSTODY INTACT ā PROJECT LOCATION Central Kitchen jgulino@rboces.org/ sarmstrong@rboces.org klewando@rboces.org NUT Sampled Ø S//d OWN \$ 845-627-4775 SAMPLE IDENTIFICATION O. NUMBER ROJECT NO aboratories, Inc. マン 16-90-ER-NCK-KF(D)-006 16-90-ER-NCK-OT(A)-009 16-90-ER-NCK-OT(C)-011 16-90-ER-NCK-KF(C)-005 16-90-ER-NCK-OT(B)-010 16-90-ER-NCK-OT(D)-012 16-90-ER-NCK-KF(A)-003 16-90-ER-NCK-KF(B)-004 (いう) (16-90-ER-NCK-KF(B)-008 16-90-ER-NCK-OT(E)-013 ر کے 16-90-ER-NCK-KF(A)-007 1 16-90-ER-NCK-DW-014 16-90-ER-NCK-DW-015 16-90-ER-NCK-SC-002 せ 16-90-ER-NCK-OT-001 SOMPANY C EnviroTest OMPANY: COMPAN Parrott Road, B-4, West Nyack, NY 10994 John Gulino/Keith Lewandosky SJECT REFERENCE East Ramapo CSD 2016-090 (BY: (SIGNATURE) Rockland BOCES VIROTEST PROJECT MANAGER Debra Bayer **NY CONTRACTING THIS WORK (if applicable** 5 3 (SIGNATUR うう 33 3 1 ~ + (SIG) 8/19/2016 😚 SAMPI 8/19/2016 NQUISHED BY 8/19/2016 8/19/2016 8/19/2016 8/19/2016 8/19/2016 8/19/2016 8/19/2016 <u>8</u>/19/2016 8/19/2016 8/19/2016 8/19/2016 8/19/2016 8/19/2016 CEIVED

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08/25/2016

20f3	REPORT# (Lab Use Only)	09120		PAGE 2 of 2	TURNAROUND TIME	NORMAL X	QUICK		#OF COOLERS	REMARKS	Lead (DW 200.8)	Lead (DW 200.8)	Lead (DW 200.8)	Lead (DW 200.8)	Lead (DW 200.8)	Lead (DW 200.8)	Lead (DW 200.8)	Lead (DW 200.8)	Lead (DW 200.8)	Lead (DW 200.8) *	Lead (DW 200.8)	COMPADATE TIME	compadate/ TIME	COMPADATE TIME	Reveiwed by					
			315 Fullerton Avenue, Newburgh, New York 12550 845-562-0890	REQUIRED ANALYSES	bisA si oitssig	c Sulfuri Liter I 250ml I	sta im082 itesia im082			NUMBER OF CONTAINERS SUBMITTED		-					1						1	1						
	CHAIN OF CUSTODY			MATRIX TYPE	IDH SIE	ejeoip	otal # of C.		AW) SU teW gn MB2 90	AQUEO D (Drink SOLID C SOLID C	S D	S D	S D 1	S D 1	SD 1	1 1 S D	S D 1	SD 1 1	S.D 1	SD 1	S D 1	S D 1	SD 1	S D 1	SD 1	TIME TO RECEIVED BY (SIGNAT	TIME 4 C RECEIVED BY. (SIGNATURE)	TIME RECEIVED BY. (SIGNATURE)	COM # O	OSA
	CHAIN	Lab Name			P.O. NUMBER	CLIENT PHONE CLIENT FAX 845-627-4775	igulino@rboces.org/ sarmstrong@rboces.org klewando@rboces.org	ne n		SAMPLE IDENTIFICATION	16	17	-018	19	20 .											the president	ITE DATES/14	DATE	DATE TIME CUSTODY INTACT	NO NO
	nviroTest	aboratories. In		PROJECT REFERENCE East Ramapo CSD 2016-090	DTEST PROJECT MANAGER Debra Bayer	ыныт (ыте) Рм John Gulino/Keith Lewandosky	CLENT NAME Rockland BOCES	cuent ADDRESS 65 Parrott Road, B-4, West Nvack, NY 10994	OMPANY CONTRACTING THIS WORK (if applicable)	SAMPLE SAMPLE SAM	8/19/2016 ∫ 🍃 🔏 16-90-ER-NCK-BF-016	8/19/2016 5:37 16-90-ER-NCK-BF-017	8/19/2016 5 4 1 16-90-ER-NCK-KF(E)-018	8/19/2016	8/19/2016 <u>く、4 </u>	•										L.	DBY (SIGNATURE) COMPANY	ELINQUISHED BY: (SIGNATURE) COMPANY		KINI wara,

08/25/2016

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Rockland BOCES

Job Number: 420-109128-1 SDG Number: East Ramapo CSD 2016-090 Central Kitchen

Login Number: 109128

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is recorded.	True	25.0 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C $$	False	
If false, was sample received on ice within 6 hours of collection.	True	
Based on above criteria cooler temperature is acceptable.	True	Method does not require cooling
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	