



## Environmental and Laboratory Services

90 1/2 West Blackwell St., Dover, New Jersey 07801

(973) 989-0010 P, (973) 989-0156 F

## Analytical Results

Date: March 9, 2017  
Client: North Caldwell Public Schools  
Address: 35 Hamilton Dr East  
North Caldwell, NJ 07006

Project: Mountain School

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4835-1  
Sample location: Nurse's Office Sink  
Sampled by: A. Dizenzo  
Sample date: 02/21/17  
Time: 07:39  
Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	15:11	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4835-2  
Sample location: Hallway by Main Office Chiller  
Sampled by: A. Dizenzo  
Sample date: 02/21/17  
Time: 07:40  
Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	15:17	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4835-3  
Sample location: Hallway by Gym Bubbler  
Sampled by: A. Dizenzo  
Sample date: 02/21/17  
Time: 07:42  
Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	15:34	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4835-4  
Sample location: Kitchen Sink  
Sampled by: A. Dizenzo  
Sample date: 02/21/17  
Time: 07:44  
Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	4.04 µg/L	15 µg/L	03/06/17	15:45	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4835-5  
 Sample location: Room 111 Bubblers  
 Sampled by: A. Dizenzo  
 Sample date: 02/21/17  
 Time: 07:46  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	3.30 µg/L	15 µg/L	03/06/17	16:08	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4835-6  
 Sample location: Room 112 Bubblers  
 Sampled by: A. Dizenzo  
 Sample date: 02/21/17  
 Time: 07:46  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	2.00 µg/L	15 µg/L	03/06/17	16:13	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4835-7  
 Sample location: Room 115 Bubblers  
 Sampled by: A. Dizenzo  
 Sample date: 02/21/17  
 Time: 07:48  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	7.20 µg/L	15 µg/L	03/06/17	16:19	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4835-8  
 Sample location: Hallway by Room 115 Chiller 1  
 Sampled by: A. Dizenzo  
 Sample date: 02/21/17  
 Time: 07:49  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	16:25	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4835-9  
 Sample location: Hallway by Room 115 Chiller 2  
 Sampled by: A. Dizenzo  
 Sample date: 02/21/17  
 Time: 07:49  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/06/17	16:30	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4835-10  
 Sample location: Room 116 Bubblers  
 Sampled by: A. Dizenzo  
 Sample date: 02/21/17  
 Time: 07:51  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	6.63 µg/L	15 µg/L	03/06/17	16:41	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4836-11  
 Sample location: Art Room Bubbler  
 Sampled by: A. Dizenzo  
 Sample date: 02/21/17  
 Time: 08:27  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/02/17	19:27	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4836-12  
 Sample location: Room 107 Bubbler  
 Sampled by: A. Dizenzo  
 Sample date: 02/21/17  
 Time: 08:28  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	2.00 µg/L	15 µg/L	03/02/17	19:34	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4836-13  
 Sample location: Room 116 Bubbler  
 Sampled by: A. Dizenzo  
 Sample date: 02/21/17  
 Time: 08:29  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	2.45 µg/L	15 µg/L	03/02/17	19:36	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4836-14  
 Sample location: Room 108 Bubbler  
 Sampled by: A. Dizenzo  
 Sample date: 02/21/17  
 Time: 08:30  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/02/17	19:46	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4836-15  
 Sample location: Room 115 Bubbler  
 Sampled by: A. Dizenzo  
 Sample date: 02/21/17  
 Time: 08:31  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/02/17	19:53	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4836-16  
 Sample location: Room 109 Bubbler  
 Sampled by: A. Dizenzo  
 Sample date: 02/21/17  
 Time: 08:33  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead	SM3113B	<2 µg/L	15 µg/L	03/02/17	19:59	1	2 µg/L

# CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

Customer Name: Mountain School

Address: 132 Gould Ave

North Caldwell, NJ 07006

County/Municipality: Phone: 973-712-4351

Work:

Report to:

Tom Falco

tfalco@nchoe.org

Agra Environmental Services

90 1/2 West Blackwell Street

Dover, NJ 07801

Phone: (973) 989-0010

Fax: (973) 989-0156



Matrix Abbreviations: D - Drinking Water G - Groundwater W - Wastewater S - Soil SL - Sludge P - Pool L - Lake

Page 1 of 1

Project: Lab ID: D054835 Collection: PWSID# NJ ANALYSIS REQUESTED for laboratory use only Field Analysis

Field ID	Date	Time	Grab	Comp	Matrix	# of Bottles	Preservative	ANALYSIS REQUESTED	
Nurse Office Sink	2/21/17	0739	D		X	1	HNO3	Pb 1st draw <2 ug/L	2/6/17 1571 AM
Hallway by Main Office Chiller		0740	D		X	1	HNO3	Pb 1st draw <2 ug/L	1519
Hallway by Gym Bubbler		0742	D		X	1	HNO3	Pb 1st draw <2 ug/L	1534
Kitchen Sink		0744	D		X	1	HNO3	Pb 1st draw 4.04 ug/L	1545
Room 111 Bubbler		0746	D		X	1	HNO3	Pb 1st draw 3.30 ug/L	1608
Room 112 Bubbler		0746	D		X	1	HNO3	Pb 1st draw 2.0 ug/L	1613
Room 115 Bubbler		0748	D		X	1	HNO3	Pb 1st draw 1.20 ug/L	1619
Hallway by Rm 115 Chiller 1		0749	D		X	1	HNO3	Pb 1st draw <2 ug/L	1628
Hallway by Rm 115 Chiller 2		0749	D		X	1	HNO3	Pb 1st draw <2 ug/L	1630
Room 116 Bubbler		0751	D		X	1	HNO3	Pb 1st draw 6.63 ug/L	1641

State Forms Needed (circle one): Yes or No

NUDEP Laboratory Certification (Dover, NJ) #14013

NUDEP Laboratory Certification (Marlboro, NJ) #13033

Indicate laboratory location where analysis requested was performed

Reporting Requirements (Check Box):

Standard  NJ  Reduced  Other (Specify)

Cooler Temperature Upon Receipt at lab:

Sample Custody Exchanges (Please use full legal signature)

Relinquished By: *Robert Bergs* Date: 2/21/17 Time: 1440 Received By: *[Signature]* Date: 2/21/17 Time: 1421

Relinquished By: Date: Time: Received By: Date: Time:

Relinquished By: Date: Time: Received By: Date: Time:

Relinquished By: Date: Time: Received By: Date: Time:

Scanned \_\_\_\_\_

Date Faxed \_\_\_\_\_

Invoice Number \_\_\_\_\_

Is sample known to be hazardous? (circle one)  
Yes or No

# CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST

Customer Name: Mountain School

Address: 132 Gould Ave  
North Caldwell, NJ 07006

Phone: 973-712-4351

Work: \_\_\_\_\_

Report to: Tom Falco

tfalco@mcboe.org

Agra Environmental Services  
90 1/2 West Blackwell Street  
Dover, NJ 07801

Phone: (973) 989-0010

Fax: (973) 989-0156



Matrix Abbreviations: D - Drinking Water G - Groundwater W - Wastewater S - Soil SL - Sludge P - Pool L - Lake

Project: \_\_\_\_\_ Collection: \_\_\_\_\_ PWSID# NJ \_\_\_\_\_ for laboratory use only Page 1 of 1

Field ID	Lab ID:	Date	Time	Grab	Comp	Matrix	# of Bottles	Preservative	ANALYSIS REQUESTED	Field Analysis
Teachers Room Sink	DW91835	2/21/17	0752	D		X	1	HNO3	Pb 1st draw 3.54 ug/L	16.41 BH
Room 121 Bubbler			0753	D		X	1	HNO3	Pb 1st draw 41.7 ug/L	16.54
Room 120 Bubbler			0754	D		X	1	HNO3	Pb 1st draw 12.8 ug/L	1700
Hallway by Rm 123 Bubbler			0755	D		X	1	HNO3	Pb 1st draw 3.95 ug/L	1705
Field Blank			0737	D		X	1	HNO3	Pb 1st draw 2.2 ug/L	1711

Reporting Requirements (Check Box):  Standard  NJ  Reduced  Other (Specify) \_\_\_\_\_

State Forms Needed (circle one): Yes or No

Sampled By (name/company): Andrew Ayra

Indicate laboratory location where analysis requested was performed

NJDEP Laboratory Certification (Dover, NJ) #14013

NJDEP Laboratory Certification (Marlboro, NJ) #13033

Cooler Temperature Upon Receipt at lab: \_\_\_\_\_

Sample Custody Exchanges (Please use full legal signature)

Relinquished By: Andrew Ayra Date: 2/21/17 Time: 1420 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

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Date Faxed \_\_\_\_\_

Invoice Number \_\_\_\_\_

Is sample known to be hazardous? (circle one) Yes or No



Environmental and Laboratory Services  
90 1/2 West Blackwell St., Dover, New Jersey 07801  
(973) 989-0010 P, (973) 989-0156 F

## Analytical Results

Date: March 9, 2017  
Client: North Caldwell Public Schools  
Address: 35 Hamilton Dr East  
North Caldwell, NJ 07006

**Project:** Gould School

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4834-1  
Sample location: Hallway by Science Bubbler  
Sampled by: A. Dizenzo  
Sample date: 02/21/17  
Time: 07:25  
Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead (*)	SM3113B	36.0 µg/L	15 µg/L	03/06/17	14:43	2	4 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4834-2  
Sample location: Hallway by Room 02 Bubbler  
Sampled by: A. Dizenzo  
Sample date: 02/21/17  
Time: 07:27  
Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead (*)	SM3113B	5.18 µg/L	15 µg/L	03/06/17	14:49	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4834-3  
Sample location: Hallway by Elevator Chiller  
Sampled by: A. Dizenzo  
Sample date: 02/21/17  
Time: 07:28  
Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead (*)	SM3113B	<2 µg/L	15 µg/L	03/06/17	14:54	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4834-4  
Sample location: Teachers Room Sink  
Sampled by: A. Dizenzo  
Sample date: 02/21/17  
Time: 07:30  
Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead (*)	SM3113B	20.0 µg/L	15 µg/L	03/06/17	15:00	1	2 µg/L

Sample description: Drinking Water / 1<sup>st</sup> Draw / DWS4834-5  
 Sample location: Field Blank  
 Sampled by: A. Dizenzo  
 Sample date: 02/21/17  
 Time: 07:24  
 Analyst: B. Moraga

Parameter	Method	Sample Result	NJDEP Limit	Date Analyzed	Time Analyzed	Dilution Factor	Reporting Limit
Lead (*)	SM3113B	<2 µg/L	15 µg/L	03/06/17	15:06	1	2 µg/L

µg/L = micrograms per liter

All testing was done within the required holding time.

I certify that these samples were analyzed in accordance with procedures approved by the New Jersey Department of Environmental Protection.

Laurette Young (For SV)  
 Susan VanVeen, Lab Manager  
 NJ Laboratory Certification ID # 14013

March 10, 2017  
 Date



# CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST



**Customer Name:** Gould School  
**Address:** 132A Gould Ave  
 North Caldwell, NJ 07006  
**County/Municipality:**  
**Phone:** 973-712-4351  
**Work:**  
**report to:** Tom Falco  
 tfalco@ncboe.org  
**Agra Environmental Services**  
 90½ West Blackwell Street  
 Dover, NJ 07801  
**Phone:** (973) 989-0010  
**Fax:** (973) 989-0156

Matrix Abbreviations:		D - Drinking Water	G - Groundwater	W - Wastewater	S - Soil	SL - Sludge	P - Pool	L - Lake	Page 1 of 1
Project:		for laboratory use only							Field Analysis
Lab ID:	Collection		PWSID# NJ	Comp	Grab	Matrix	# of Bottles	Preservative	ANALYSIS REQUESTED
DWS183H	Date	Time							
Hallway by Science Bubbler	2/21/17	0725	D	X		HNO3	1		Pb 1st draw 36.0 ug/L 2/6/17 1443 BH 1:2
Hallway by Rm 02 Bubbler		0727	D	X		HNO3	1		Pb 1st draw 5.18 ug/L 1449
Hallway by Elevator Chiller		0728	D	X		HNO3	1		Pb 1st draw 2.2 ug/L 1454
Teachers Room Sink		0730	D	X		HNO3	1		Pb 1st draw 20.0 ug/L 1500
Field Blank		0724	D	X		HNO3	1		Pb 1st draw 52 ug/L 1506
* Did not flush schools. Last use was normal school use on Friday									
State Forms Needed (circle one): Yes or No NJDEP Laboratory Certification (Dover, NJ) #14013 NJDEP Laboratory Certification (Marlboro, NJ) #13033									
Reporting Requirements (Check Box): <input type="checkbox"/> Standard <input type="checkbox"/> NJ Reduced <input type="checkbox"/> Other (Specify) Cooler Temperature Upon Receipt at lab:									

**Sample Custody Exchanges (Please use full legal signature)**

Relinquished By:	Andrew Anzalone	Date:	2/21/17	Time:	1420	Received By:	[Signature]	Date:	2/21/17	Time:	1421
Relinquished By:		Date:		Time:		Received By:		Date:		Time:	
Relinquished By:		Date:		Time:		Received By:		Date:		Time:	
Relinquished By:		Date:		Time:		Received By:		Date:		Time:	

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Date Faxed \_\_\_\_\_  
 Invoice Number \_\_\_\_\_  
 Is sample known to be hazardous? (circle one)  
 Yes or No