

LEAD IN POTABLE WATER SCREENING REPORT

INVESTIGATION FOR:	Gerry Mihalitsianos Hasbrouck Heights BOE 379 Boulevard Hasbrouck Heights, NJ 07604
SITE INVESTIGATED:	Franklin Gym 379 Boulevard Hasbrouck Heights, NJ 07604
ASSESSMENT BY:	Ross Hernandez Omega Environmental Services, Inc. 280 Huyler Street South Hackensack, NJ 07606
INVESTIGATION CONDUCTED:	2/2/2022
DATE OF REPORT:	3/18/2022

(Omega Project # 22-1068)

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EXECUTIVE SUMMARY:

The Hasbrouck Heights Board of Education requested representative lead in water testing of potable water outlets at Franklin Gym located at 379 Boulevard, Hasbrouck Heights, NJ.

Previous Testing (4/26/17)

On April 26, 2017, Omega performed a full testing of all potable outlets. First draw and flush samples (30 second) were collected at twenty-four (24) outlets. While there were sample results above 15 ppb in the High School and Middle School, the two (2) outlets tested in Franklin Gym were below 15 ppb.

See report dated 5/17/2017.

Current Testing (2/2/2022)

In order to comply with the NJDEP Lead in Drinking Water at Schools Facilities (April 2021), a full testing of all potable outlets was performed on February 2, 2022.

Reportedly the outlets were flushed the day prior to sampling.

First draw and flush samples (30 second) were collected at one (1) outlets.

Results of all first draw and flush samples analyzed were below the Lead and Copper Rule action level of 15 μ g/L.

See Section 3 Discussion of Results

Applicable Corrective Action

No corrective action is recommended at this time.

Water Management/Plumbing Plan

A Lead in Water Sampling Plan Franklin Gym is included in the Sampling Plan for the High School and Middle School.

1 **RESULTS TABLE:**

			1 st draw	Le	ad
Sample #	Туре	Location	(FD) or flush (FL)	Results (µg/L)	LCR Action Level ⁽¹⁾ (µg/L)
N/A	Sink	Gym Sink	N/A	N/A	15
N/A	Sink	Gym Sink	N/A	N/A	15
N/A	Ice Machine	Gym Ice Machine	N/A	N/A	15
N/A	Ice Machine	Gym Ice Machine	N/A	N/A	15
Franklin 01 FD	Bottle Fill	Bottle Fill Station in Franklin Gym	FD	ND	15
Franklin 02 FL	Bottle Fill	Bottle Fill Station in Franklin Gym	FL	ND	15
Franklin 03 Field Blank	Field Blank	Field Blank	BL	ND	

⁽¹⁾ EPA Lead in Copper Rule (1991) Action Level for water suppliers (municipalities and private wells) and March 2016 Newark Public Schools Lead Water Testing Sampling Plan.

FD – First Draw Sample

FL – Flush Sample (30 sec)

NA – Not Analyzed

2 SAMPLING METHODOLOGY:

(First Draw Samples) - Without allowing any water to spill until sample collection, samples were collected with a relatively slow flow rate in 250 mL bottles prepared with Nitric Acid (HNO₃) as a preservative.

(Flush Samples) – After the collection of first draw samples the water was allowed to flow at a relatively slow rate for thirty second to flush the fixture and close piping. The flush samples are intended to test the plumbing further upstream from the fixture (behind walls).

The samples were packaged in a cooler and shipped to EMSL Analytical, Inc. in Cinnaminson, NJ for total lead in potable water analysis (method E200.8 IOC).

3 DISCUSSION OF RESULTS:

Results of all first draw and flush samples analyzed were below the Lead and Copper Rule action level of 15 $\mu g/L$.

4 **RECOMMENDATIONS:**

Short term:

• No corrective action is recommended at this time.

Long Term:

- If any outlets are not regularly used, or after extended periods without use (such as winter and summer breaks) flush all outlets for a few minutes prior to normal use.
- Repeat full building testing on an annual basis. Generally, this should be performed in August prior to the start of the school season.

Contact Omega Environmental to discuss specific recommendations.

A. Lead in Water Laboratory Reports



 EMSL Analytical, Inc.

 200 Route 130 North, Cinnaminson, NJ 08077

 Phone: (856) 303-2500
 Fax: (856) 858-4571

 Email:
 EnvChemistry2@email.com

Lab Omega Environmental Services 280 Huyler Street South Hackensack, NJ 07606

Phone: (201) 489-8700 Fax: (201) 489-8797

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 2/23/2022. The results are tabulated on the attached data pages for the following client designated project:

22-1068 Hasbrouck Heights BOE-Franklin Gym

The reference number for these samples is EMSL Order #012203001. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Approved By:

3/12/2022

1h MM \$

Owen McKenna, Chemistry Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted. NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, CA ELAP 1877

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

Page 1 of 2

Page 7 of 10: Lead in Water Testing Report, {Omega Project#: 22-1068} Omega Environmental Services, Inc. 280 Huyler Street - South Hackensack, NJ 07606 - Tel: (201) 489-8700 - Fax: (201)342-5412

EMSL	EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson, Phone/Fax: (856) 303-2500 / (856) http://www.EMSL.com	NJ 08077		EMSL Order: CustomerID: CustomerPO: ProjectID:	012203001 OMEG50
Attn: Lab		Phone:	(201) 489-8700		
Omega E	Invironmental Services	Fax:	(201) 489-8797		
280 Huyl		Received:	2/23/2022 09:00	AM	
South Ha	ackensack, NJ 07606				

Project: 22-1068 Hasbrouck Heights BOE-Franklin Gym

	A	nalytical	Results					
Client Sample Description	 Franklin 01 FD Bottle Fill Station in Franjklin Gym 		Collected:	2/2/2022 0:25:00 AM		ID:	012203001-0	001
Method	Parameter	Result	RL Units		Prep Date & An		Analysi Date & Ana	
METALS								
200.8	Lead	ND	1.00 µg/L		3/10/2022	JM	3/11/2022 08:38	VD
Client Sample Description	 Franklin 01 FL Bottle Fill Station in Franjklin Gym 		Collected:	2/2/2022 0:26:00 AM		ID:	012203001-0	002
Method	Parameter	Result	RL Units		Prep Date & An		Analysi Date & Ani	
METALS								
200.8	Lead	ND	1.00 µg/L		3/10/2022	JM	3/11/2022 08:47	VD
Client Sample Description	Franklin 03 Field Blank Field Blank		Collected: 12	2/2/2022 2:35:00 AM	2010	ID:	012203001-0	003
Method	Parameter	Result	RL Units		Prep Date & An		Analysi Date & Ani	
METALS								
200.8	Lead	ND	1.00 µg/L		3/10/2022	JM	3/11/2022 02:38	VD

Definitions:

MDL - method detection limit J - Result was below the reporting limit, but at or above the MDL ND - indicates that the analyte was not detected at the reporting limit RL - Reporting Limit (Analytical) D - Dilution Sample required a dilution which was used to calculate final results

Castomer ID: Company Name: Omega Environmental Services Company Name: Omega Environmental Services Contact Name: Street Address: 280 Huyler Street City, Stats. Zip: South Hackensack, NJ 07606 Countr Phone: 201-489-8700 Email(s) for Report: Tab@omega-env.com Project NameNo: 22-1068 Hasbrouck Heights BOE- Frank EMSL LMB Project D: Involet Sampled By Name: Ross Hernandez 3 Hour \$ Hour 24 Hour 32 Hour	TUSA USA US SU Project Informat Clin Gym Turn-Around-Time 48 Hour Flame / Flame /	Sting ID: Company Name: Orme Street Address: 280 H 2h; State, Dp. Sout Thoma: 201-4 Umail(s) for Invoice: ap@u stion	ga Environmental Servi fuyler Street h Hackensack, NJ 076 H89-8700 proge-env.com Purchase Order: State of Connecticit (CT) must s Commercial (Taxable) State of Connecticit (CT) must s Commercial (Taxable) State of Connecticit (CT) must s State of Connecticit (CT) must s Control of CT) State of Connecticit (CT) must s State of Connecticit (CT) must s Connecticit (CT) must s State of Connecticit (CT) must s Connecticit (CT) must s State of Connecticit (CT) must s Connecticit (CT) must s State of Connecticit (CT) must s Connecticit (CT) must s State of Connecticit (CT) must s Connecticit (CT) must s State of Connecticit (CT) must s State of Connecticit (CT) must s State of Connecticit (CT) must s Connecticit (CT) must s State of Connecticit (CT) must s	06 ^{Country:} USA
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"Reporting Limit based on a minimum SW 846-60100" 0.25g sample weight NIOSH 7082 ABR NIOSH 7002 ABR NIOSH 7300M / NIOSH 7303M WIPE Astra WIPE Astra WIDSH 7300M / NIOSH 7303M WIDSH 7300M / NIOSH 7303M WIPE Astra WIPE Astra WIPE Astra SW 846-1311 / 7000B / SM 311 TCLP SW 846-1311 / T000B / SM 311 SV 846-1311 / SW 846-6010 SPLP SW 846-1312 / T000B / SM 311 SW 846-1312 / T000B / SM 311 STLC 22 CCR App. II, T000B SOIL SW 846-6010D SW 846-5000B SW 846-6010D Soil SW 846-6010D Wastewater SM 3111B / SW 846-7000B Upreserved PH+2 Praserved with HNO3 PH+2 PH-2 EPA 200.5 Upreserved EPA 200.6 TSP/SPM Filter 40 CFR Part 50 Other: Sample Number Sample Lor <td>Flame /</td> <td>ICP-DES Atomic Absorption ICP-DES ICP-MS</td> <td>0.0004% (4ppm) 4µg/filter 0.5µg/filter</td> <td></td>	Flame /	ICP-DES Atomic Absorption ICP-DES ICP-MS	0.0004% (4ppm) 4µg/filter 0.5µg/filter	
0.25g sample weight SW 846-80100° ABR NIOSH 7082 ABR NIOSH 7300M / NIOSH 7303M WIPE Astw NIOSH 7300M / NIOSH 7303M WIPE Astw SW 846-50100° WIPE Astw SW 846-1300 / NIOSH 7303M WIPE Astw SW 846-7000B WIPE Astw SW 846-1311 / 7000B / SM 311 TCLP SW 846-1311 / 7000B / SM 311 SPLP SW 846-1312 / SW 846-60100 SPLP SW 846-1312 / SW 846-6010 TTLC 22 CCR App. II, 7000B STLC 22 CCR App. II, SW 846-60100 Stude SW 846-1312 / SW 846-60100 Stude SW 846-5000B Sw 846-50102° SW 846-50102° Vartereeved SW 846-50102° Upreserved PH<2	Flame /	Atomic Absorption ICP-OES ICP-MS	4µg/filter 0.5µg/filter	
AIR NIOSH 7082 AIR NIOSH 7300M / NIOSH 7303M WIDE AR WIDE ARTN If no box is checked, non-ASTM Wipe is assumed SW 846-7000B TCLP SW 846-1311 / 7000B / SM 311 TCLP SW 846-1311 / 7000B / SM 311 SPLP SW 846-1312 / SW 846-6010C* SPLP SW 846-1312 / SW 846-6010C STLC 22 CCR App. II, 5W 846-6010D STLC 22 CCR App. II, SW 846-6010D SUB SW 846-1312 / SW 846-6010D SULC 22 CCR App. II, SW 846-6010D SUB SW 846-7000B Vipreserved SW 846-7000B Unpreserved SM 3111B / SW 846-7000B Preserved with HNC3 PH<2	Flame /	Atomic Absorption ICP-OES ICP-MS	4µg/filter 0.5µg/filter	<u> </u>
AIR NIOSH 7300M / NIOSH 7303M WIPE ARTN NOR-ARTN WIPE ARTN NOR-ARTN WIPE ARTN SW 846-7000B WIPE SW 846-7000B SW 846-7000B WIPE SW 846-7000B SW 846-7000B TCLP SW 846-1311 / T000B / SM 311 SVD 846-1311 / SW 846-6010C SW 846-1311 / SW 846-6010C SPLP SW 846-1312 / SW 846-6010C STLC 22 CCR App. II, 7000B STLC 22 CCR App. II, SW 846-6010D SUB SW 846-7000B SVD 846-7000B SW 846-7000B SVD 846-7000B SW 846-7000B SUC SW 846-7000B SVD 846-7000B SW 846-7000B SVD 846-7000B SW 846-7000B SVD 846-7000B SW 846-7000B Unpreserved SM 3111B / SW 846-7000B Unpreserved PH<2	1	ICP-DES ICP-MS	0.5µg/litter	1.1
NIOSH 7300M / NIOSH 7300M / NIOSH 7300M NIOSH 7300M / NIOSH 7300M / NIOSH 7300M NIOSH 7300M / NIOSH 7300M The box is checked, non-ASTM Wipe is assumed SW 846-7000B TCLP SW 846-1311 / 500B / 5M 311 SVB 846-1311 / 500B / 5M 311 SW 846-1312 / 500B / 5M 311 SPLP SW 846-1312 / 500B / 5M 311 SVB 846-1312 / 5W 846-80100 22 CCR App. II, 5W 846-80100 TLC 22 CCR App. II, 5W 846-80100 STLC 22 CCR App. II, 5W 846-80100 StlLC SW 846-80100* SW 846-80100* SW 846-80100* Wastewater SW 3111B / 5W 846-7000B Unpreserved FPL<2	1	ICP-MS	and the second sec	- Lord
NIOSH 7300M / NIOSH 7303M WIPE ANTH SW 846-7000B WIPE ANTH SW 846-7000B WIRe box is checked, non-ASTM Wipe is assumed SW 846-1311 / 7000B / SM 311 TCLP SW 846-1311 / SW 846-6010 SPLP SW 846-1311 / SW 846-6010 TTLC SW 846-1311 / SW 846-6010 SPLP SW 846-1312 / T000B / SM 311 TTLC 22 CCR App. II, 7000B STLC 22 CCR App. II, 7000B SOIL SW 846-6010P SW 846-5000B SW 846-6010D SOIL SW 846-7000B Soll SW 846-7000B Soll SW 846-7000B Preserved with HNO3 PH<2	1	ICP-MS	and the second sec	
The box is checked, non-ASTM Wipe is assumed SW 846-60100* TCLP SW 846-1311 / 70008 / SM 311 SPLP SW 846-1311 / SW 846-60100 SPLP SW 846-1312 / SW 846-60100 TTLC 22 CCR App. II, 70008 / SM 311 STLC 22 CCR App. II, 5W 846-60100 STLC 22 CCR App. II, 5W 846-60100 STLC 22 CCR App. II, SW 846-60100 STLC 22 CCR App. II, SW 846-60100 Stw 846-70008 SW 846-70008 Soil SW 846-70008 Dirnsing Wastewater SM 3111B / SW 846-70008 Unpreserved PH<2	Flame	Atomic Absorption	0.05µg/filter	
If no box is checked, non-ASTM Wipe is assumed SW 846-50100* assumed SW 846-1311 / 70008 / SM 311 TCLP SW 846-1311 / 70008 / SM 311 SPLP SW 846-1312 / 70008 / SM 311 TTLC 22 CCR App. II, 70008 STLC 22 CCR App. II, 70008 STLC 22 CCR App. II, SW 846-60100* Soll SW 846-70008 SVW 846-70009 SW 846-60100* Soll SW 846-60100* Bastewater SM 311B / SW 846-60100* Unpreserved PH<2			10µg/wipe	
assumed SW 846-0110C* TCLP SW 846-0110C*/SW 3411 SPLP SW 846-1311 / 70008 / SM 311 SPLP SW 846-1312 / SW 846-60100 TTLC 22 CCR App. II, 70008 / SM 311 STLC 22 CCR App. II, 70008 / SM 311 STLC 22 CCR App. II, 70008 STLC 22 CCR App. II, SW 846-60100 STLC 22 CCR App. II, SW 846-60100 StW 646-70008 SW 646-70008 Soil SW 646-70008 Drinking War SW 846-60100* Unpreserved FPA-200.7 Drinking War EPA 200.7 Drinking War EPA 200.8 TSP/SPM Filter 40 CFR Part 50 Other: Sample Number			No. Contraction	
ITCLP SW 846-1311 / SW 846-6010 SPLP SW 846-1312 / SW 846-6010 TTLC SW 846-1312 / SW 846-6010 TTLC 22 CCR App. II, 7000B STLC 22 CCR App. II, 7000B Soll SW 846-6010 SW 846-7000B SW 846-6010 Soll SW 846-6010 SW 846-7000B SW 846-60100 SW 846-6010D SW 846-60100 SW 846-6010D SW 846-7000B SW 846-6010D SW 846-7000B Preserved PH<2		ICP-OES	1.0µg/wipe	
SW 846-1317 / SW 846-0101 SPLP SW 846-1312 / 7000B / SM 311 TTLC 22 CCR App. II, 570 968-0100 STLC 22 CCR App. II, 570 968-0010 STLC 22 CCR App. II, 570 968-0010 Soil SW 846-60100* Wastewater SW 846-60100* Unpreserved SM 3111B / SW 846-60100* Preserved with HNO3 PH<2	and the second se	Atomic Absorption	0.4 mg/L (ppm)	
SPLP SW 846-1312 / SW 846-6010 TTLC 22 CCR App. II. 7000B STLC 22 CCR App. II. SW 846-6010 STLC 22 CCR App. II. SW 846-6010 Soll 22 CCR App. II. SW 846-6010 Soil SW 846-7000B Wastewater SW 846-7000B Unpreserved SM 846-6010 Preserved with HNO3 PH<2		ICP-OES	0.1 mg/L (ppm)	
TTLC 22 CCR App. II, 5000B 22 CCR App. II, 5000B 22 CCR App. II, 5000B STLC 22 CCR App. II, 5000B Soll 22 CCR App. II, 5000B Soll SW 846-60100 SW 846-5010D* SW 846-60100 Wastewater SM 3111B / SW 846-7000B Unpreserved PH<2		Atomic Absorption ICP-OES	0.4 mg/L (ppm) 0.1 mg/L (ppm)	
TTLC 22 CCR App. II. SW 846-60101 STLC 22 CCR App. II. SW 846-60100 Soil SW 846-60100* Wastewater SW 846-60100* Preserved with HNO3 PH-<2		Atomic Absorption	40mg/kg (ppm)	
STLC 22 CCR App. II, SW 846-60100 Soil SW 846-7000B Wastewater SW 846-7000B Unpreserved SM 3111B / SW 846-7000B Preserved with HNO3 PH<2	>-	ICP-OES	2mg/kg (ppm)	
22 CCR App. II, SW 846-60100 Soll SW 846-7000B SW 846-60100* SW 846-7000B Wastewater SM 846-7000B Unpreserved SM 8111B / SW 846-7000B Drinking Water EPA 200.7 Drinking Water EPA 200.5 Unpreserved EPA 200.8 Preserved with HNO3 PH-2 Drinking Water EPA 200.8 Other:		Atomic Absorption	0.4 mg/L (ppm)	
Soil SW 846-8010D* Wastowater SM 3111B / SW 846-70006 Unpreserved EPA 200.7 Preserved with HNO3 PH-2 Praserved with HNO3 PH-2 Praserved with HNO3 PH-2 Preserved with HNO3 PH-2 Preserved with HNO3 PH-2 Preserved with HNO3 PH-2 Sample Number 40 CFR Part 50 Other:		ICP-DES	0.1 mg/L (ppm)	
Wastewater SM 3111B / SW 846-7000B Unpreserved EPA 200.7 Drinking Weter EPA 200.5 Unpreserved EPA 200.8 Preserved with HNO3 PH-2 Preserved with HNO3 PH-2 Sample Number 40 CFR Part 50 Other:	and the second se	Atomic Absorption ICP-OES	40mg/kg (ppm) 2mg/kg (ppm)	
Unpreserved with HNO3 PH<2 EPA 200.7 Dirkking Water Unpreserved with HNO3 PH<2 EPA 200.5 Unpreserved with HNO3 PH<2 EPA 200.8 TSP/SPM Filter 40 CFR Part 50 Other: Sample Number Sample Loc		Atomic Absorption	0.4 mg/L (ppm)	
Preserved with HN03 PH<2 EPA 200.5 Unpreserved Preserved with HN03 PH<2 EPA 200.8 TSP/SPM Filter 40 CFR Part 50 Other: Sample Number Sample Number Sample Number		ICP-OES	0.020 mg/L (ppm)	
Unpreserved with HNO3 PH-2 PH-2 PH-2 PH-2 PH-2 PH-2 PH-2 PH-2		ICP-OES	0.003 mg/L (ppm)	H
TSP/SPM Filter 40 CFR Part 50 Other: Sample Number Sample Lo				
Other: Sample Number Sample Lo		ICP-MS	0.001 mg/L (ppm)	1
Sample Number Sample Lo		ICP-OES	12 µg/filter	
	ation		/olume / Area	Date / Time Sampled
Nethod of Brigment Pick Up Relinguisting by: Defaultione Defaultione Relinguisting by: Defaultione Defaultione Relinguisting by: Defaultione	18	Sample Condition Upon Re Received by: Received by:	10 2/22/22-50 y~ 2/23/22	cortine A cortige
Controlled Document - COC-25 Lead R18 4/192521 *6010C A	14:00 .		/	12.00
AGREE TO ELECTRONIC S	14:00 .		/ hain of Custody document by elect	ronic signature.)

Page 9 of 10: Lead in Water Testing Report, {Omega Project#: 22-1068}

EMSL ANALYTICAL INC.		U1220 300 Lead Chain of Custody EMSL Order Number / Lab Use Only	E 8 0	EMSL Analytical, Inc. 200 Rouée 130 North Cinnaminson, NJ 08077	PHONE: (800) 220-3675 EMALL: Construction Lead, and generic con
		Special Instructions and/or Regulatiny Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)	s, Processing Method	s, Limits of Detection, etc.)	
Sample Number	Sample Location	Volume / Arga		Date / Time Sampled	Notes
Frunklin 01 FD	Buttle F.D. Station in Fanklin Bym	Gum 250 mL	319199	20 10:25	1
Fraklin 02FL.		U 250 mL		10:26.	
Frankly Strold Blank	Field Black	250 mL	*	12:35	
		250 mL			
		250 mL			
		250 mL			
		250 mL			
		250 mL			
		250 mL			
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		250 mL			
		250 mL			
		250 mL			
Method of Shipment Pick W	-	Sample Condition Upon Receipt			
Reinvised they benefer	Ler. Desortance	Received by:	Date/Time		
clinquistred by:	Date/Time.	Received by:	Date/Time		