

LEAD IN POTABLE WATER SCREENING REPORT

INVESTIGATION FOR: Kenneth Stromsland

Board of Education Township of Edison

312 Pierson Avenue Edison, NJ 07642

SITE INVESTIGATED: John Marshall Elementary

15 Cornell Street Edison, NJ 08817

ASSESSMENT BY: Kyle Brown

Omega Environmental Services, Inc.

280 Huyler Street

South Hackensack, NJ 07606

INVESTIGATION

CONDUCTED: 8/03/16

DATE OF REPORT: 8/25/16

(Omega Project # 16-27002E)

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EXECUTIVE SUMMARY:

The Board of Education Township of Edison requested lead in water testing of potable water outlets at John Marshall Elementary, 15 Cornell Street, Edison, NJ 08817.

Previous Testing

No information related to previous testing was available.

Recent Testing (8/03/16)

In order to assess the building water outlets a full testing of all potable outlets was performed on August 3, 2016.

Reportedly the outlets were not flushed or used on the day of testing.

First draw and flush samples (30 second) were collected of 36 water fountains and sinks.

Results of most first draw samples analyzed were below the Lead and Copper Rule action level of 15 ppb. Seven first draw samples were above 15 ppb. The associated flush samples were below 15 ppb.

1 RESULTS TABLE:

Outlet #	Sample #	Location	1st draw (FD) or flush (FL)	Results (ppb)	LCR Action Level (1) (ppb)
11	1	Water Fountain Nurse's Office	FD	23	15
11	2	Water Fountain Nurse's Office	FL	2	15
13	3	Water Fountain Near Guidance Department	FD	18	15
13	4	Water Fountain Near Guidance Department	FL	1.1	15
15	5	Water Fountain Room 5	FD	13	15
15	6	Water Fountain Room 5	FL	3.1	15
14	7	Water Fountain Room 6	FD	2,300	15
14	8	Water Fountain Room 6	FL	14	15
17	9	Water Fountain Room 3	FD	21	15
17	10	Water Fountain Room 3	FL	2.6	15
16	11	Water Fountain Room 4	FD	14	15
16	12	Water Fountain Room 4	FL	1.8	15
19	13	Water Fountain Room 1	FD	1.3	15
19	14	Water Fountain Room 1	FL	1.7	15
18	15	Water Fountain Room 2	FD	1.2	15
18	16	Water Fountain Room 2	FL	<1.0	15
09	17	Water Fountain across Speech Room	FD	5.0	15
09	18	Water Fountain across Speech Room	FL	6.6	15
03	19	Kitchen Sink near stove	FD	6.0	15
03	20	Kitchen Sink near stove	FL	<1.0	15
03A	21	Kitchen Sink near food display	FD	6.6	15
03A	22	Kitchen Sink near food display	FL	<1.0	15
02	23	Kitchen Sink washing station (L)	FD	17	15
02	24	Kitchen Sink washing station (L)	FL	<1.0	15
01	25	Kitchen Sink washing station (R)	FD	9.0	15
01	26	Kitchen Sink washing station (R)	FL	<1.0	15
21	27	Water Fountain Room 7	FD	12	15
21	28	Water Fountain Room 7	FL	1.7	15
20	29	Water Fountain Room 8	FD	11	15
20	30	Water Fountain Room 8	FL	1.7	15
23	31	Water Fountain Room 9	FD	6.2	15
23	32	Water Fountain Room 9	FL	1.9	15
22	33	Water Fountain Room 10	FD	4.6	15
22	34	Water Fountain Room 10	FL	1.7	15
28	35	Water Fountain Room 11	FD	8.1	15
28	36	Water Fountain Room 11	FL	1.9	15
27	37	Water Fountain Room 12	FD	9.7	15
27	38	Water Fountain Room 12	FL	1.9	15

33	39	Water Fountain Room 13	FD	7.2	15
33	40	Water Fountain Room 13	FL	3.2	15
32	41	Water Fountain Room 14	FD	21	15
32	42	Water Fountain Room 14	FL	5.8	15
35	43	Water Fountain Room 15	FD	11	15
35	44	Water Fountain Room 15	FL	2.8	15
34	45	Water Fountain Room 16	FD	15	15
34	46	Water Fountain Room 16	FL	2.8	15
53	47	Water Fountain next to Music Room (L)	FD	8.4	15
53	48	Water Fountain next to Music Room (L)	FL	14	15
54	49	Water Fountain next to Music Room (C)	FD	4.5	15
54	50	Water Fountain next to Music Room (C)	FL	5.0	15
55	51	Water Fountain next to Music Room (R)	FD	1.4	15
55	52	Water Fountain next to Music Room (R)	FL	<1.0	15
50	53	Water Fountain Room 33	FD	3.4	15
50	54	Water Fountain Room 33	FL	<1.0	15
49	55	Water Fountain Room 30	FD	2.5	15
49	56	Water Fountain Room 30	FL	<1.0	15
48	57	Water Fountain Room 31	FD	9.2	15
48	58	Water Fountain Room 31	FL	<1.0	15
47	59	Water Fountain Room 28	FD	29	15
47	60	Water Fountain Room 28	FL	<1.0	15
46	61	Water Fountain Room 29	FD	<1.0	15
46	62	Water Fountain Room 29	FL	1.2	15
45	63	Water Fountain Room 26	FD	<1.0	15
45	64	Water Fountain Room 26	FL	<1.0	15
28	65	Water Fountain next to Faculty Bathroom	FD	<1.0	15
28	66	Water Fountain next to Faculty Bathroom	FL	<1.0	15
43	67	Sink in Teacher Room	FD	1.6	15
43	68	Sink in Teacher Room	FL	<1.0	15
44	69	Water Fountain Room 27	FD	2.5	15
44	70	Water Fountain Room 27	FL	<1.0	15
32	71	Water Fountain Room 24	FD	4.4	15
32	72	Water Fountain Room 24	FL	3.1	15

⁽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 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 Pace Analytical, Melville, NY for total lead in potable water analysis (method E200.8 IOC).

3 DISCUSSION OF RESULTS:

Seven first draw sample results were above 15 ppb, but associated flush samples results were below 15 ppb. This indicates the source of lead is related to the fixtures themselves, not in the main building plumbing.

4 **RECOMMENDATIONS:**

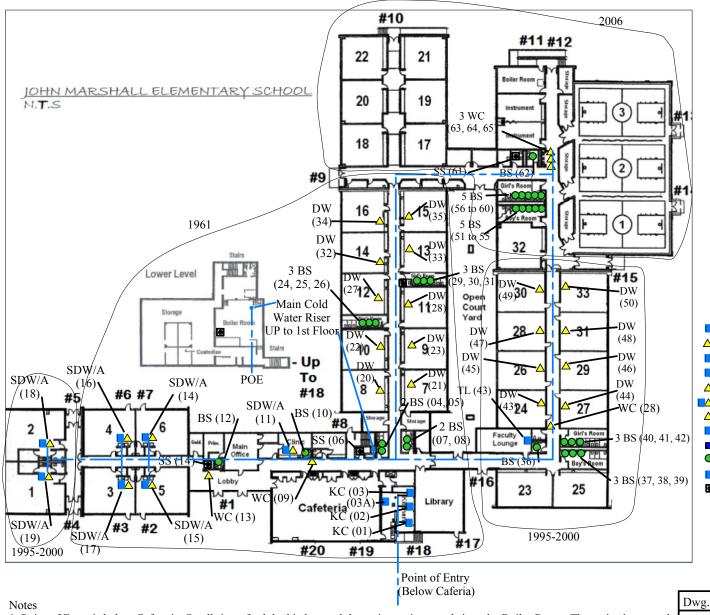
Short term:

- Conduct further evaluation and testing of outlets with elevated results.
- Take any outlets with elevated results out of service.

Long Term:

- If additional testing shows similar results (first draw results above 15 ppb) consider replacing the spout of the fountains (may contain brass, adding to lead levels), installing filters (if practical), or fixture replacement.
- Repeat full building testing on an annual basis. Generally this should be performed in August prior to the start of the school season.
- Develop a Lead in Water Management Plan in accordance with the 2006 EPA 3Ts for Reducing Lead in Drinking Water in Schools.

A. Outlet Location Plan



KEY

- KC = Kitchen Outlet, Cold
- △ WC = Water Cooler (Chilled Bubbler Unit)
- TL= Teacher Lounge Sink
- FP= Food Preparation Sink
- △ DW= Drinking Water Bubbler (non-chilled)
- SDW= Combination Sink Water Bubbler
- △ DDW=Double Drinking Water Bubbler
- EC = Home Economics Outlet, Cold
- IM = Ice Machine
- BS = Bathroom Sink
- NS = Nurse's Office Sink
- SS=Janitors Slop Sink

/A = oultet has an aerator

/F = outlet has a filter

(01)=Outlet Number

1. Point of Entry is below Cafeteria. Small risers feed the kitchen and the main service travels into the Boiler Room. The main riser travels Location: John Marshall Elementary School, Edison, NJ up to above the 1st Floor ceiling tiles. Distribution piping runs above the ceiling in hallways with laterals to each group of outlets.

2. Original building was constructed in 1961. Additions were constucted in 1995 to 200 and in 2006 as shown above. Areas circled are reported additions

Dwg. Title: Plumbing Schematic

Client: Edison Board of Education

OMEGA ENVIRONMENTAL SERVICES, INC.

280 Huyler Street S. Hackensack, NJ 07606 Proj. # 16-27002E Tel: (201) 489-8700 Fax: (201) 342-5412

Date: 8/24/16

Dwn. By: DSE

Dwg. # 27002E-01P

B. Lead in Water Laboratory Reports

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical www.pacetabs.com

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F My t 1, Ma 2, Bn R - F)	49 - W.P. Manter to March	7-ED DW	חואור	i i)	1 ×)				200	rolect No.	Tab III
Free	7-03	· FL DW				×	×						
F Rush 33 - FL DW G	SI-WENEXT & Mass	R-FD DW				×	×						
F Run	ア・25	-FL DW				×	×						
F (92 WE Ran 33					×	×						
WE from 30 - ED DW G LE form 31 - EL DW G WE from 31 - EL DW G WE from 31 - EL DW G WE from 28 - FI) DW G WE from 28 - FI WE from 39 - FI WE from 30 - FI WE fro	Fr-WE Roam >3					×	×						
ADDITIONAL COMMENTS THE RELINGUISHED BY I AFFILIATION TO BE RAWPLER NAME AND SIGNATURE SAMPLER NAME AND SIGNATURE SIGNATURE OF SAMPLER IN A SIGNATURE OF SAMPLER	55 W F Krom 30					×	×					٠.	
ALE ROOM 3 I - FL DOW G W. C. ROOM 3 I - FL DOW G W. C. ROOM 3 I - FL DOW G W. C. ROOM 3 I - FL DOW G W. C. ROOM 3 I - FL ADDITIONAL COMMENTS RELINQUISHED BY AFFILIATION DATE TIME ACCEPTED BY AFFILIATION DATE TIME SAMPLER TIME SAMPLER NAME AND SIGNATURE SAMPLER NAME AND SIGNATURE SOUND TO SOUND TO SOUND	51-1. F. 82 21.					× ×	××						
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mple SAMPLER NAME AND SIGNATURE SIGNATURE SIGNATURE SIGNATURE SIGNATURE SIGNATURE of SAMPLER: 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	ADDITIONAL COMMENTS	RELING	JISHED BY / AFFILIATION	DATE	TIME	ACC	EPTED BY / AFFILI/				SAMPL	E CONDITIONS	
SAMPLER NAME AND SIGNATURE SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: X, (e) (X, O. M.) SIGNATURE of SAMPLER: (1) X, O. M. MAMADOVY: (2) Charles of Samples M. X, O. M. MAMADOVY: (3) Charles of Samples M. X, O. M. MAMADOVY: (4) C. M. MAMADOVY: (4) C. M. MAMADOVY: (5) C. M. MAMADOVY: (5) C. M. MAMADOVY: (6) C. M. MAMADOVY: (7) C. M. MAMAD		mass 214	Pomega Samp	3/1/9	54:11	July			9	0			
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: X, (e) (X, C, C, C) SIGNATURE of SAMPLER: (1) X, C,	FD - First Draw Sample												
AND SIGNATURE ne of SAMPLER: Ky (FL - Flush Sample												
DATE Signed Custoce Custoce Custoce Custoce Custoce Custoce Sealed C(Y/Y)			SAMPLER NAMI	E AND SIGNATUR	4					0.		poler	ntact
DATE Signed A CALL Social Column MANUTON COLUMN SAME STATES SAME SAME SAME SAME SAME SAME SAME SA			PRINT N	ame of SAMPLER:		Kono				ui du		O be	l səlq (N/Y)
			SIGNATI	URE of SAMPLER:	01.0	6	DATE	×	1/6	neT		Seale	gamp)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical "

Pace Project No./ Lab I.D. (N/A) DRINKING WATER SAMPLE CONDITIONS ھ OTHER (N/A) Custody 5 > Received on (N/Y) GROUND WATER Residual Chlorine (Y/N) O" ni qmaT Page: RCRA 3 REGULATORY AGENCY 8/316/10/2 Requested Analysis Filtered (Y/N) (MM/DD/YY): 08/63/16 Site Location STATE ☐ NPDES DATE T UST ACCEPTED BY / AFFILIATION 280 Huyler St, S Hackensack, NJ ead in drink water 200.8 Company Name: Omega Environmental N/A 1 JeaT elaylenA Other Methanol くると Accts Payable EOSSSN Preservatives HOBN HCI nvoice Information: PRINT Name of SAMPLER: Kylo Brich [€]ONH Unpreserved Unpreserved Pace Quote Reference: Pace Project Manager: 11.45 TIME Address: # OF CONTAINERS SAMPLER NAME AND SIGNATURE Sopy To: mikel@omega-env.com, davide@omega-env.con SIGNATURE of SAMPLER: SAMPLE TEMP AT COLLECTION DATE John Marshall Elmontaly COMPOSITE DATE COLLECTED Mye Bam / Onega Sumpley RELINQUISHED BY / AFFILIATION emmam@omega-env.com TIME COMPOSITE START Report To: Lab@omega-env.com 16-27002 DATE Required Project Information თ ഗ Ø O G 0 O (G=GRAB C=COMP) **34YT 3J9MA2** urchase Order No.: š š M DW š DW ž Μď Š š ρķ š roject Number: **MATRIX CODE** poject Name: Section B Valid Matrix Codes 17 mm DRINKONO WATER WY
WASTER WY
PRODUCT P
SOIL/SOLID SL
WIPE WP
WIPE WP
ARR AR 77 65-NT MONT & ACUITY BR-ED 60 - We Kest & Freilis BR-FL in Wede Low 5 2 Q7. 69-WF ROOM 27-FD 62 -4 F Room 24 - FL 64-WE ROSMILL "FL 70-WE from 27-FL 72 WE ROSMIN " EL S. Hackensack, NJ 07606 ADDITIONAL COMMENTS 67 - Link in Tealer Lab@Omega-env.com (A-Z, 0-97,-) Sample IDs MUST BE UNIQUE Required Client Information: 61-4, F Room 2A 83 -VF Rwan 26 SAMPLE ID 5 day 280 Huyler Street Section D Required Client Information hone: 201-489-8700 equested Due Date/TAT: **イなし ろがれ** First Draw Sample FL - Flush Sample mail To; ILEM #



www.pacelabs.com

Results for the samples and analytes requested

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Omega Environmental Services

NYSDOH ID#10478

280 Huyler Street

South Hackensack, NJ 07606

Attn To: Michael Levay

Federal ID:

Received : 08/05/16 10:00 AM

Collected By : Client

Sample Type: Potable Water

Date Reported: 8/18/2016 Copies To: CC

				<u>Lead</u>
			<u>Units</u>	ug/L
			Method	E200.8 : IOC
Lab Number	Location	Collected	Limits	15
1608711-001A	WF NURSE'S OFFICE-FD	8/3/2016 6:00:00 AM	Analysis	23 *
	1		Time	8/11/2016 8:26:23 PM
Distribution				JOHN MARSHALL ELEMENTARY
1608711-002A	WF NEAR GUIDANCE DE	8/3/2016 6:00:00 AM	Analysis	18 * 8/11/2016 8:29:18 PM
	3		Time	6/11/2010 0.29.10 FWI
Distribution				JOHN MARSHALL ELEMENTARY
1608711-003A	WF ROOM 5-FD	8/3/2016 6:00:00 AM		13
1000711 000A	5	0,0,2010 0.00.007	Analysis	8/11/2016 8:32:12 PM
Distribution	5		Time	
Distribution				JOHN MARSHALL ELEMENTARY
1608711-004A	WF ROOM 6-FD	8/3/2016 6:00:00 AM	Analysis	2,300 D*
	7		Time	8/12/2016 2:11:50 PM
Distribution			iine	JOHN MARSHALL ELEMENTARY
				JOI IN WARSHALL ELEWENTARY
1608711-005A	WF ROOM 3-FD	8/3/2016 6:00:00 AM	Analysis	21 *
	9		Time	8/11/2016 8:38:02 PM
Distribution			Tille	JOHN MARSHALL ELEMENTARY

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				<u>Lead</u>
			<u>Units</u>	ug/L
			Method	E200.8 : IOC
Lab Number	Location	Collected	<u>Limits</u>	15
1608711-006A	WF ROOM 24-FD	8/3/2016 6:00:00 AM	Analysis	14 8/11/2016 8:40:56 PM
	11		Time	8/11/2016 8.40.56 PW
Distribution				JOHN MARSHALL ELEMENTARY
1609711-0074	WF ROOM 1-FD	8/3/2016 6:00:00 AM		1.3
1000711-007A	13	0/3/2010 0.00.00 AW	Analysis	8/11/2016 8:55:37 PM
Distribution	13		Time	JOHN MARSHALL ELEMENTARY
				JOHN WARSHALL ELEWENTART
1608711-008A	WF ROOM 2-FD	8/3/2016 6:00:00 AM	Analysis	1.2
	15		Time	8/11/2016 8:58:31 PM
Distribution				JOHN MARSHALL ELEMENTARY
1608711-009A	WF ACROSS SPEECH R	8/3/2016 6:00:00 AM	Analysis	5.0 8/11/2016 9:01:27 PM
Distribution	17		Time	
Distribution				JOHN MARSHALL ELEMENTARY
1608711-010A	KS NEAR STORE-FD	8/3/2016 6:00:00 AM		6.0
	19		Analysis Time	8/11/2016 9:04:20 PM
Distribution			rirne	JOHN MARSHALL ELEMENTARY

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Federal ID:

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Collected By : Client

Sample Type: Potable Water

Date Reported: 8/18/2016 Copies To: CC

				<u>Lead</u>	
			<u>Units</u>	ug/L	
			Method	E200.8 : IOC	
Lab Number	Location	Collected	<u>Limits</u>	15	
1608711-011A Distribution	KS NEAR FOOD DISPLAY 21	8/3/2016 6:00:00 AM	Analysis Time	6.6 8/11/2016 9:07:17 PM JOHN MARSHALL ELEMENTARY	
1608711-012A Distribution	KS WASHING STATION L 23	8/3/2016 6:00:00 AM	Analysis Time	17 * 8/11/2016 9:10:10 PM JOHN MARSHALL ELEMENTARY	
1608711-013A Distribution	KS WASHING STATION R 25	8/3/2016 6:00:00 AM	Analysis Time	9.0 8/11/2016 9:13:04 PM JOHN MARSHALL ELEMENTARY	
1608711-014A Distribution	WF ROOM 7-FD 27	8/3/2016 6:00:00 AM	Analysis Time	12 8/11/2016 9:16:01 PM JOHN MARSHALL ELEMENTARY	
1608711-015A Distribution	WF ROOM 8-FD 29	8/3/2016 6:00:00 AM	Analysis Time	11 8/11/2016 9:30:35 PM JOHN MARSHALL ELEMENTARY	

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Collected By : Client

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				<u>Lead</u>
			<u>Units</u>	ug/L
			Method	E200.8 : IOC
Lab Number	Location	Collected	<u>Limits</u>	15
1608711-016A	WF ROOM 9-FD	8/3/2016 6:00:00 AM	Analysis	6.2
	31		Analysis Time	8/11/2016 9:33:30 PM
Distribution			Time	JOHN MARSHALL ELEMENTARY
1608711-017A	WF ROOM 10-FD	8/3/2016 6:00:00 AM	Analysis	4.6
	33		Analysis Time	8/11/2016 9:36:26 PM
Distribution			Time	JOHN MARSHALL ELEMENTARY
1608711-018A	WF ROOM 11-FD	8/3/2016 6:00:00 AM	Analysis	8.1
	35		Time	8/11/2016 9:39:21 PM
Distribution			Time	JOHN MARSHALL ELEMENTARY
1608711-019A	WF ROOM 12-FD	8/3/2016 6:00:00 AM	Analysis	9.7
	37		Time	8/11/2016 9:42:16 PM
Distribution			Time	JOHN MARSHALL ELEMENTARY
1608711-020A	WF ROOM 13-FD	8/3/2016 6:00:00 AM	Analysis	7.2
	39		Time	8/11/2016 9:45:11 PM
Distribution			11110	JOHN MARSHALL ELEMENTARY

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280 Huyler Street

South Hackensack, NJ 07606

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Federal ID:

Received : 08/05/16 10:00 AM

Collected By : Client

Sample Type: Potable Water

Date Reported: 8/18/2016 Copies To: CC

				<u>Lead</u>	
			<u>Units</u>	ug/L	
			Method	E200.8 : IOC	
Lab Number	Location	Collected	Limits	15	
1608711-021A Distribution	WF ROOM 14-FD 41	8/3/2016 6:00:00 AM	Analysis Time	21 * 8/11/2016 9:48:05 PM JOHN MARSHALL ELEMENTARY	
1608711-0224	WF ROOM 15-FD	8/3/2016 6:00:00 AM		11	
Distribution	43	3,3,2010 0.00.00 AW	Analysis Time	8/11/2016 9:51:00 PM JOHN MARSHALL ELEMENTARY	
	WF ROOM 16-FD 45	8/3/2016 6:00:00 AM	Analysis Time	15 8/11/2016 10:05:40 PM	
Distribution				JOHN MARSHALL ELEMENTARY	
	WF NEXT TO MUSIC RO	8/3/2016 6:00:00 AM	Analysis Time	8.4 8/11/2016 10:08:37 PM	
Distribution				JOHN MARSHALL ELEMENTARY	
	WF NEXT TO MUSIC RO	8/3/2016 6:00:00 AM	Analysis Time	4.5 8/11/2016 10:11:32 PM	
Distribution				JOHN MARSHALL ELEMENTARY	

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Received : 08/05/16 10:00 AM

Collected By : Client

Sample Type: Potable Water

Date Reported: 8/18/2016 Copies To: CC

		<u>Units</u>	ug/L
		Method	E200.8 : IOC
Location	Collected	<u>Limits</u>	15
WF NEXT TO MUSIC RO	8/3/2016 6:00:00 AM	Analysis Time	1.4 8/11/2016 10:14:27 PM
			JOHN MARSHALL ELEMENTARY
WF ROOM 33-FD	8/3/2016 6:00:00 AM	Analysis	3.4
53		Time	8/11/2016 10:17:22 PM
			JOHN MARSHALL ELEMENTARY
WF ROOM 30-FD	8/3/2016 6:00:00 AM	Analysis	2.5 8/11/2016 10:20:19 PM
55		Time	8/11/2016 10:20:19 PW
			JOHN MARSHALL ELEMENTARY
WF ROOM 31-FD	8/3/2016 6:00:00 AM	Analysis	9.2
57		Time	8/11/2016 10:23:13 PM
			JOHN MARSHALL ELEMENTARY
WF ROOM 28-FD	8/3/2016 6:00:00 AM	Analysis	29 *M+ 8/12/2016 3:01:32 PM
59		Time	0/12/2010 3:01:32 PW
			JOHN MARSHALL ELEMENTARY
	WF NEXT TO MUSIC RO 51 WF ROOM 33-FD 53 WF ROOM 30-FD 55 WF ROOM 31-FD 57	WF ROOM 30-FD 8/3/2016 6:00:00 AM 51 WF ROOM 30-FD 8/3/2016 6:00:00 AM 55 WF ROOM 31-FD 8/3/2016 6:00:00 AM 57	Location Collected Method Limits WF NEXT TO MUSIC RO 51 8/3/2016 6:00:00 AM 51 Analysis Time WF ROOM 33-FD 53 8/3/2016 6:00:00 AM 53 Analysis Time WF ROOM 30-FD 55 8/3/2016 6:00:00 AM 55 Analysis Time WF ROOM 31-FD 57 8/3/2016 6:00:00 AM 57 Analysis Time WF ROOM 28-FD 8/3/2016 6:00:00 AM 57 Analysis Time Analysis Time

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Collected By : Client

Sample Type: Potable Water

Date Reported: 8/18/2016 Copies To: CC

				Lead
			<u>Units</u>	ug/L
			Method	E200.8 : IOC
Lab Number	Location	Collected	Limits	15
1608711-031A Distribution	WF ROOM 29-FD 61	8/3/2016 6:00:00 AM	Analysis Time	< 1.0 8/11/2016 10:26:08 PM JOHN MARSHALL ELEMENTARY
1608711-032A Distribution	WF ROOM 26-FD 63	8/3/2016 6:00:00 AM	Analysis Time	< 1.0 8/11/2016 10:40:50 PM JOHN MARSHALL ELEMENTARY
1608711-033A Distribution	WF NEXT TO FACULT 65	Y B 8/3/2016 6:00:00 AM	Analysis Time	< 1.0 8/11/2016 10:43:43 PM JOHN MARSHALL ELEMENTARY
1608711-034A Distribution	SINK IN TEACHER RO	OM 8/3/2016 6:00:00 AM	Analysis Time	1.6 8/11/2016 10:46:39 PM JOHN MARSHALL ELEMENTARY
1608711-035A Distribution	WF ROOM 27-FD 69	8/3/2016 6:00:00 AM	Analysis Time	2.5 8/11/2016 10:49:34 PM JOHN MARSHALL ELEMENTARY

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Project Manager



: 08/05/16 10:00 AM

TEL: (631) 694-3040 FAX: (631) 420-8436

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280 Huyler Street

South Hackensack, NJ 07606

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Federal ID:

Collected By : Client

Received

Sample Type: Potable Water

Copies To: CC

www.pacelabs.com

Date Reported: 8/18/2016

				<u>Lead</u>	
			<u>Units</u>	ug/L	
			Method	E200.8 : IOC	
Lab Number	Location	Collected	<u>Limits</u>	15	
1608711-036A Distribution	WF ROOM 24-FD 71	8/3/2016 6:00:00 AM	Analysis Time	4.4 8/11/2016 10:52:29 PM JOHN MARSHALL ELEMENTARY	
				JOHN WANGHALL LLLWLWTAKT	
1608711-037A	WF NURSE'S OFFICE-FL	8/3/2016 6:00:00 AM	Analysis Time	2.0 8/18/2016 3:23:17 AM	
Distribution			11110	JOHN MARSHALL ELEMENTARY	
1608711-038A	WF NEAR GUIDANCE DE	8/3/2016 6:00:00 AM	Analysis Time	1.1 8/18/2016 3:26:12 AM	
Distribution			inne	JOHN MARSHALL ELEMENTARY	
1608711-039A	WF ROOM 5-FL	8/3/2016 6:00:00 AM	Analysis	3.1 8/18/2016 3:29:07 AM	
Distribution			Time	JOHN MARSHALL ELEMENTARY	
1608711-040A	WF ROOM 6-FL	8/3/2016 6:00:00 AM	Analysis	14 8/18/2016 3:32:03 AM	
Distribution			Time	JOHN MARSHALL ELEMENTARY	

Result(s) reported meet(s) NYS Regulatory Limit(s).

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				<u>Lead</u>
			<u>Units</u>	ug/L
			Method	E200.8 : IOC
Lab Number	Location	Collected	<u>Limits</u>	15
1608711-041A	WF ROOM 3-FL	8/3/2016 6:00:00 AM	Analysis	2.6
	10		Time	8/18/2016 3:34:58 AM
Distribution			Tille	JOHN MARSHALL ELEMENTARY
1608711-042A	WF ROOM 24-FL	8/3/2016 6:00:00 AM	Analysis	1.8
	12		Time	8/18/2016 3:37:53 AM
Distribution			Time	JOHN MARSHALL ELEMENTARY
1608711-043A	WF ROOM 1-FL	8/3/2016 6:00:00 AM	Analysis	1.7
	14		Analysis Time	8/18/2016 3:40:48 AM
Distribution			Tille	JOHN MARSHALL ELEMENTARY
1608711-044A	WF ROOM 2-FL	8/3/2016 6:00:00 AM	Analysis	< 1.0
	16		Time	8/18/2016 3:43:43 AM
Distribution			TITLE	JOHN MARSHALL ELEMENTARY
				OOTHA WARREN TALK
1608711-045A	WF ACROSS SPEECH R	8/3/2016 6:00:00 AM	Analysis	6.6
	18		Analysis Time	8/18/2016 3:58:26 AM
Distribution			Tille	JOHN MARSHALL ELEMENTARY

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: 08/05/16 10:00 AM

				<u>Lead</u>	
			<u>Units</u>	ug/L	
			Method	E200.8 : IOC	
Lab Number	Location	Collected	<u>Limits</u>	15	
1608711-046A Distribution	KS NEAR STORE-FL 20	8/3/2016 6:00:00 AM	Analysis Time	< 1.0 8/18/2016 4:01:20 AM JOHN MARSHALL ELEMENTARY	
1608711-047A Distribution	KS NEAR FOOD DISPLAY 22	8/3/2016 6:00:00 AM	Analysis Time	< 1.0 8/18/2016 4:04:16 AM JOHN MARSHALL ELEMENTARY	
1608711-048A Distribution	KS WASHING STATION L 24	8/3/2016 6:00:00 AM	Analysis Time	< 1.0 8/18/2016 4:07:11 AM JOHN MARSHALL ELEMENTARY	
1608711-049A	KS WASHING STATION R	8/3/2016 6:00:00 AM	Analysis	< 1.0	
Distribution	26		Time	8/18/2016 4:10:07 AM JOHN MARSHALL ELEMENTARY	
1608711-050A Distribution	WF ROOM 7-FL 28	8/3/2016 6:00:00 AM	Analysis Time	1.7 8/18/2016 4:13:03 AM JOHN MARSHALL ELEMENTARY	

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Project Manager



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Results for the samples and analytes requested The lab is not directly responsible for the integrity of the sample before receipt at

the lab and is responsible only for the certified tests requested.

Omega Environmental Services

NYSDOH ID#10478

280 Huyler Street

South Hackensack, NJ 07606

Attn To: Michael Levay

Federal ID:

Received : 08/05/16 10:00 AM

Collected By : Client

Sample Type: Potable Water

Date Reported: 8/18/2016 Copies To: CC

			<u>Lead</u>
		<u>Units</u>	ug/L
		Method	E200.8 : IOC
Location	Collected	<u>Limits</u>	15
WF ROOM 8-FL	8/3/2016 6:00:00 AM	Amalusia	1.7
30			8/18/2016 4:15:59 AM
		Time	JOHN MARSHALL ELEMENTARY
WF ROOM 9-FL	8/3/2016 6:00:00 AM	Analysis	1.9 8/18/2016 4:18:55 AM
32		Time	0/10/2010 4.10.33 AW
			JOHN MARSHALL ELEMENTARY
WE ROOM 10-FI	8/3/2016 6:00:00 AM		1.7
	0/0/2010 0.00.00 / tivi		8/18/2016 4:33:35 AM
04		Time	JOHN MARSHALL ELEMENTARY
			JOHN WANDHALL ELEMENTAN
WF ROOM 11-FL	8/3/2016 6:00:00 AM	Analysis	1.9
36		Time	8/18/2016 4:36:30 AM
			JOHN MARSHALL ELEMENTARY
WF ROOM 12-FL	8/3/2016 6:00:00 AM	Analysis	1.9 8/18/2016 4:39:25 AM
38		Time	
			JOHN MARSHALL ELEMENTARY
_	WF ROOM 8-FL 30 WF ROOM 9-FL 32 WF ROOM 10-FL 34	WF ROOM 9-FL 8/3/2016 6:00:00 AM 32 WF ROOM 10-FL 8/3/2016 6:00:00 AM 34 WF ROOM 11-FL 8/3/2016 6:00:00 AM 36 WF ROOM 12-FL 8/3/2016 6:00:00 AM	Location Collected Method Limits WF ROOM 8-FL 30 8/3/2016 6:00:00 AM 7 Imme Analysis 7 Imme WF ROOM 9-FL 32 8/3/2016 6:00:00 AM 7 Imme Analysis 7 Imme WF ROOM 10-FL 34 8/3/2016 6:00:00 AM 7 Imme Analysis 7 Imme WF ROOM 11-FL 36 8/3/2016 6:00:00 AM 7 Imme Analysis 7 Imme WF ROOM 12-FL 36 8/3/2016 6:00:00 AM 7 Imme Analysis 7 Imme

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Collected By : Client

Sample Type: Potable Water

Date Reported: 8/18/2016 Copies To: CC

				<u>Lead</u>
			<u>Units</u>	ug/L
			Method	E200.8 : IOC
Lab Number	Location	Collected	Limits	15
1608711-056A	WF ROOM 13-FL	8/3/2016 6:00:00 AM	Analysis	3.2
	40		Time	8/18/2016 4:42:21 AM
Distribution				JOHN MARSHALL ELEMENTARY
1608711-057A	WF ROOM 14-FL	8/3/2016 6:00:00 AM	A b '	5.8
	42		Analysis	8/18/2016 4:45:16 AM
Distribution			Time	JOHN MARSHALL ELEMENTARY
				JOHN WARSHALL ELEWENTARY
1608711-058A	WF ROOM 15-FL	8/3/2016 6:00:00 AM	Analysis	2.8
	44		Time	8/18/2016 4:48:11 AM
Distribution				JOHN MARSHALL ELEMENTARY
1608711-059A	WF ROOM 16-FL	8/3/2016 6:00:00 AM	Analysis	2.8
	46		Time	8/18/2016 4:51:07 AM
Distribution			iiiile	JOHN MARSHALL ELEMENTARY
				JOHN MINISTRALE ELEMENTARY
1608711-060A	WF NEXT TO MUSIC RO	8/3/2016 6:00:00 AM	Analysis	14
	48		Time	8/18/2016 4:54:02 AM
Distribution			TIME	JOHN MARSHALL ELEMENTARY

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280 Huyler Street

South Hackensack, NJ 07606

Attn To: Michael Levay

Federal ID:

Received : 08/05/16 10:00 AM

Collected By : Client

Sample Type: Potable Water

Date Reported: 8/18/2016 Copies To: CC

				<u>Lead</u>
			<u>Units</u>	ug/L
			Method	E200.8 : IOC
Lab Number	Location	Collected	Limits	15
1608711-061A Distribution	WF NEXT TO MUSIC RO 50	8/3/2016 6:00:00 AM	Analysis Time	5.0 8/18/2016 5:08:43 AM JOHN MARSHALL ELEMENTARY
1608711-062A Distribution	WF NEXT TO MUSIC RO	8/3/2016 6:00:00 AM	Analysis Time	< 1.0 8/18/2016 5:11:38 AM JOHN MARSHALL ELEMENTARY
1608711-063A Distribution	WF ROOM 33-FL 54	8/3/2016 6:00:00 AM	Analysis Time	< 1.0 8/18/2016 5:14:35 AM JOHN MARSHALL ELEMENTARY
1608711-064A Distribution	WF ROOM 30-FL 56	8/3/2016 6:00:00 AM	Analysis Time	< 1.0 8/18/2016 5:17:30 AM JOHN MARSHALL ELEMENTARY
1608711-065A Distribution	WF ROOM 31-FL 58	8/3/2016 6:00:00 AM	Analysis Time	< 1.0 8/18/2016 5:20:24 AM JOHN MARSHALL ELEMENTARY

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South Hackensack, NJ 07606

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Federal ID:

Received : 08/05/16 10:00 AM

Collected By : Client

Sample Type: Potable Water

Date Reported: 8/18/2016 Copies To: CC

				<u>Lead</u>	
			<u>Units</u>	ug/L	
			Method	E200.8 : IOC	
Lab Number	Location	Collected	<u>Limits</u>	15	
1608711-066A Distribution	WF ROOM 28-FL 60	8/3/2016 6:00:00 AM	Analysis Time	< 1.0 8/18/2016 5:23:19 AM	
Distribution				JOHN MARSHALL ELEMENTARY	
1608711-067A	WF ROOM 29-FL	8/3/2016 6:00:00 AM	Analysis	1.2 8/18/2016 5:26:14 AM	
Distribution			Time	JOHN MARSHALL ELEMENTARY	
1608711-068A	WF ROOM 26-FL	8/3/2016 6:00:00 AM	Analysis Time	< 1.0 8/18/2016 5:29:10 AM	
Distribution			Time	JOHN MARSHALL ELEMENTARY	
1608711-069A	WF NEXT TO FACULTY E	3 8/3/2016 6:00:00 AM	Analysis	< 1.0 8/18/2016 5:43:52 AM	
Distribution	66		Time	JOHN MARSHALL ELEMENTARY	
1608711-070A	SINK IN TEACHER ROOM	√ 8/3/2016 6:00:00 AM	Analysis Time	< 1.0 8/18/2016 5:46:47 AM	
Distribution			-	JOHN MARSHALL ELEMENTARY	

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NYSDOH ID#10478 **Omega Environmental Services**

280 Huyler Street

South Hackensack, NJ 07606

Attn To: Michael Levay

Federal ID:

Received

: 08/05/16 10:00 AM

Collected By : Client

Sample Type: Potable Water

Date Reported: 8/18/2016 Copies To: CC

				<u>Lead</u>
			<u>Units</u>	ug/L
			Method	E200.8 : IOC
Lab Number	Location	Collected	<u>Limits</u>	15
1608711-071A	WF ROOM 27-FL	8/3/2016 6:00:00 AM	Analysis	< 1.0
	70		Time	8/18/2016 5:49:43 AM
Distribution				JOHN MARSHALL ELEMENTARY
1608711-072A	WF ROOM 24-FL	8/3/2016 6:00:00 AM	Analysis	3.1
	72		Time	8/18/2016 5:52:39 AM
Distribution				JOHN MARSHALL ELEMENTARY

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Elizabeth Harrison Project Manager



PACE ANALYTICAL 575 Broad Hollow Road Melville, NY 11747

Sample Receipt Checklist

TEL: (631) 694-3040 FAX: (631) 420-8436 Website: <u>www.pacelabs.com</u>

Client Name OES					Date and T	ime Received:	8/5/2016 10:00:00 AM
Work Order Number:	1608711	RcptNo: 1			Received b	y John Stanto	on
Completed by:	Joh S	late	-	Revi	ewed by:		
Completed Date:	8/6/2016 2:27:26	<u>PM</u>		Revi	ewed Date:		
Carrier name:							
Chain of custody prese	ent?		Yes	✓	No 🗌		
Chain of custody signe	ed when relinquished a	nd received?	Yes	✓	No 🗌		
Chain of custody agree	es with sample labels?		Yes	✓	No 🗌		
Are matrices correctly	identified on Chain of o	custody?	Yes	✓	No 🗌		
Is it clear what analyse	es were requested?		Yes	✓	No 🗌		
Custody seals intact or	n sample bottles?		Yes		No 🗌	Not Present	\checkmark
Samples in proper con	tainer/bottle?		Yes	✓	No 🗌		
Were correct preserva	tives used and noted?		Yes	✓	No 🗌	NA	
Preservative added to	bottles:						
Sample Condition?			Intact	✓	Broken 🗌	Leaking	
Sufficient sample volui	me for indicated test?		Yes	✓	No 🗌		
Were container labels	complete (ID, Pres, Da	ite)?	Yes	✓	No 🗌		
All samples received w	vithin holding time?		Yes	✓	No 🗀		
Was an attempt made	to cool the samples?		Yes	✓	No 🗌	NA	
All samples received a	t a temp. of > 0° C to 6	5.0° C?	Yes		No 🗌	NA	\checkmark
Response when temper	erature is outside of rar	ige:					
Sample Temp. taken a	and recorded upon rece	eipt?	Yes		No 🗹	То	0
Water - Were bubbles	absent in VOC vials?		Yes		No 🗌	No Vials	✓
Water - Was there Chl	orine Present?		Yes		No \square	NA	\checkmark
Water - pH acceptable	upon receipt?		Yes	✓	No 🗆	No Water	
Are Samples considered	ed acceptable?		Yes	✓	No 🗌		
Custody Seals present	:?		Yes		No 🗹		
Airbill or Sticker?			Air Bil	✓	Sticker	Not Present	
Airbill No:							
Case Number:	SDG			8	SAS:		
Any No response shou	uld be detailed in the co	omments section	below, if appl	icable	=======		========
Client Contacted?	☐ Yes ☐ No	✓ NA	Person Cont	acted:			
Contact Mode:	Phone:	Fax:	Email:		☐ In Person:		
Client Instructions:							
Date Contacted:		Conta	cted By:				
Regarding:		Conta	J.J. Dy.				
Comments:							
CorrectiveAction:							



 $\frac{\text{WorkOrder:}}{1608711}$

Certifications

STATE	CERTIFICATION#
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MAS S ACHUS ETTS	MNY026
NEW HAMPS HIRE	2987
RHODE IS LAND	LAO00340
PENNS YLVANIA	68-00350