

# LEAD IN POTABLE WATER SCREENING REPORT

INVESTIGATION FOR: Kenneth Stromsland

Board of Education Township of Edison

312 Pierson Avenue Edison, NJ 07642

SITE INVESTIGATED: James Madison Primary

840 New Dover Road Edison, NJ 08820

ASSESSMENT BY: Kyle Brown

Omega Environmental Services, Inc.

280 Huyler Street

South Hackensack, NJ 07606

INVESTIGATION

CONDUCTED: 8/04/16

DATE OF REPORT: 8/24/16

(Omega Project # 16-27002K)

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### **EXECUTIVE SUMMARY:**

The Board of Education Township of Edison requested lead in water testing of potable water outlets at James Madison Primary, 840 New Dover Road, Edison, NJ 08820.

Previous Testing

No information related to previous testing was available.

Recent Testing (8/04/16)

In order to assess the building water outlets a full testing of all potable outlets was performed on August 04, 2016.

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

First draw and flush samples (30 second) were collected of 34 water fountains and sinks.

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

See Section 3 Discussion of Results

## 1 RESULTS TABLE:

Outlet #	Sample #	Location	1st draw (FD) or flush (FL)	Results (ppb)	LCR Action Level (1) (ppb)		
11	1	Faculty Room Sink	FD	33	15		
11	2	Faculty Room Sink	FL	6.1	15		
26	3	Water Fountain Room 8	FD	2.9	15		
26	4	Water Fountain Room 8	FL	<1.0	15		
25	5	Water Fountain Room 11	FD	2.9	15		
25	6	Water Fountain Room 11	FL	<1.0	15		
01	7	Water Fountain Room 5	FD	3.7	15		
01	8	Water Fountain Room 5	FL	<1.0	15		
02	9	Water Fountain Room 6	FD	4.3	15		
02	10	Water Fountain Room 6	FL	<1.0	15		
24	11	Water Fountain Room 7	FD	2.6	15		
24	12	Water Fountain Room 7	FL	<1.0	15		
20	13	Water Fountain Room 13	FD	<1.0	15		
20	14	Water Fountain Room 13	FL	<1.0	15		
19	15	Water Fountain Room 14	FD	<1.0	15		
19	16	Water Fountain Room 14	FL	<1.0	15		
07	17	Water Fountain Room 15	FD	<1.0	15		
07	18	Water Fountain Room 15	FL	<1.0	15		
08	19	Water Fountain Room 16	FD	<1.0	15		
08	20	Water Fountain Room 16	FL	<1.0	15		
11A	21	Water Fountain near Room 4	FD	1.3	15		
11A	22	Water Fountain near Room 4	FL	<1.0	15		
37	23	Water Fountain Room 4	FD	3.5	15		
37	24	Water Fountain Room 4	FL	<1.0	15		
38	25	Water Fountain Room 3	FD	FL <1.0 FD 3.5			
38	26	Water Fountain Room 3	FL	<1.0	15		
41	27	Main Office Sink	FD	2.8	15		
41	28	Main Office Sink	FL	<1.0	15		
43	29	Nurse's Office Sink	FD	11	15		
43	30	Nurse's Office Sink	FL	<1.0	15		
44	31	Water Fountain Room 28	FD	5.0	15		
44	32	Water Fountain Room 28	FL	<1.0	15		
45	33	Water Fountain Room 27	FD	5.6	15		
45	34	Water Fountain Room 27	FL	<1.0	15		
47A	35	Water Fountain near Room 27	FD	2.0	15		
47A	36	Water Fountain near Room 27	FL	<1.0	15		
64	37	Water Fountain Room 26	FD	1.2	15		
64	38	Water Fountain Room 26	FL	<1.0	15		
51	39	Water Fountain Room 25	FD	4.7	15		
51	40	Water Fountain Room 25	FL	<1.0	15		

52	41	Water Fountain Room 24	FD	2.1	15
52	42	Water Fountain Room 24	FL	<1.0	15
53	43	Library Sink	FD	18	15
53	44	Library Sink	FL	<1.0	15
63	45	Water Fountain Room 23	FD	1.2	15
63	46	Water Fountain Room 23	FL	<1.0	15
62	47	Kitchen Sink	FD	1.4	15
62	48	Kitchen Sink	FL	<1.0	15
61	49	Water Fountain Room 22	FD	<1.0	15
61	50	Water Fountain Room 22	FL	<1.0	15
60	51	Water Fountain Room 21	FD	1.0	15
60	52	Water Fountain Room 21	FL	<1.0	15
57	53	Water Fountain Room 20	FD	1.2	15
57	54	Water Fountain Room 20	FL	<1.0	15
56	55	Water Fountain Room 19	FD	<1.0	15
56	56	Water Fountain Room 19	FL	<1.0	15
13	57	Water Fountain Room 10	FD	5.2	15
13	58	Water Fountain Room 10	FL	<1.0	15
12	59	Water Fountain Room 9	FD	3.1	15
12	60	Water Fountain Room 9	FL	1.3	15
36	61	Custodian Sink	FD	2.9	15
36	62	Custodian Sink	FL	<1.0	15
33	63	Water Fountain Room 18	FD	3.4	15
33	64	Water Fountain Room 18	FL	<1.0	15
30	65	Water Fountain Room 17	FD	1.4	15
30	66	Water Fountain Room 17	FL	<1.0	15
23	67	Water Fountain Room 12	FD	1.3	15
23	68	Water Fountain Room 12	FL	<1.0	15

<sup>&</sup>lt;sup>(1)</sup> 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 (HNO<sub>3</sub>) 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:**

Two 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.

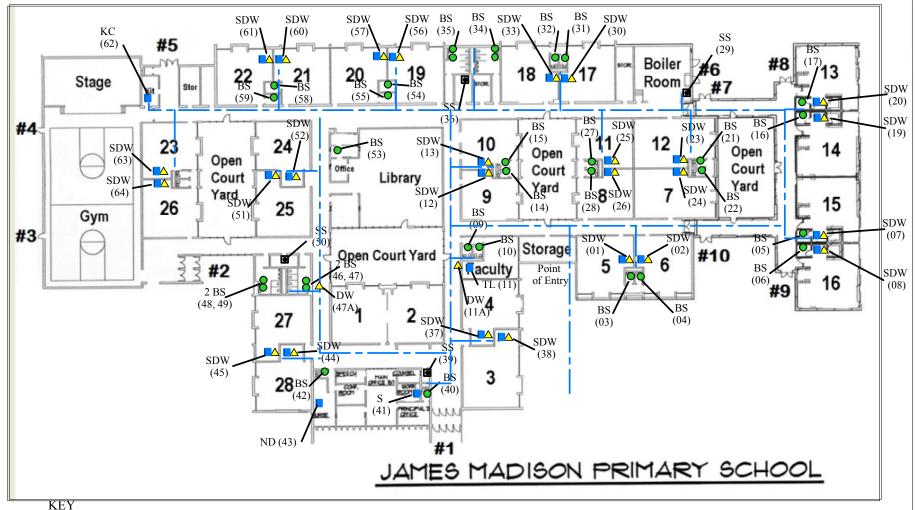
### 4 **RECOMMENDATIONS:**

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.



- 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

### Dwg. Title: Plumbing Schematic

Location: James Madison Primary School, Edison, NJ

Client: Edison Township Board of Education

**OMEGA** ENVIRONMENTAL SERVICES, INC.

280 Huvler Street S. Hackensack, NJ 07606 Tel: (201) 489-8700 Fax: (201) 342-5412

Date: 8/24/16 Proj. # 16-27002K

Dwn. By: DSE

Dwg. # 27002K-01P

### Notes

1. Cold water runs are above hallway ceilings with branches and laterals to each group of outlets

# A. Outlet Location Plan



# CHAIN-OF-CUSTODY / Analytical Request Document

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Address:	280 Huyler Street	Copy To: mi	ikel@o	mega-en	v.com, da	nvide@om	mikel@omega-env.com, davide@omega-env.com	пСомра	Company Name:	E .	Omega Environmental	nvironn	nental		REGL	ILATOR	REGULATORY AGENCY	ilias			
	S. Hackensack, NJ 07606	e	nmam(	emmam@omega-env.com	env.com			Address:		280 HL	280 Huyler St, S Hackensack, NJ	, S Ha	ckensa	ck, NJ	L	NPDES	□ GROL	GROUND WATER	\ ₹	DRINKING WATER	WATER
Email To:	Lab@Omega-env.com	Purchase Order No.:	er No.:					Pace Quote Reference:	ote e:						L	UST	F RCRA		L	OTHER	
Phone:	Phone: 201-489-8700 Fax: F	Project Name: James Malison	360	nes Ma	Lien	Prine	ma Cs	Pace Project Manager:	ject						Site	Site Location					
Rednest	Requested Due Date/TAT: 5 day	Project Number:	1	X 2005.7-7	×			Pace Profile #:	offile #:							STATE:	2				
														Requested Analysis Filtered (Y/N)	d Analys	is Filter	(N/A) pe				
	_	code			COLLE	COLLECTED			4	reserv	Preservatives		<b>↑</b> N /A								
	DRINKING WATER WATER WASTE WATER PRODUCT SOILSOLID OIL	WT WW S.L OL	eee valid codes	COMPOSITE	)SITE	COMPOSITE END/GRAB	e 品						<b>1</b> 8.002 1 <del>9</del> 1					(N/Y) <del>(</del>			
	SAMPLE ID AIR V (A-Z, 0-9, r.) OTHER C Sample IDS MUST BE UNIQUE TISSUE	WP AR TS					TEMP AT	ЯЗИІАТИ	Devis				sis Test drink wa					I Chlorine			
# MƏTI		XIATAM	SAMPLE.	DATE	TIME	DATE	SAMPLE T	# OE CO	H <sub>2</sub> SO <sub>4</sub>	HCI HNO <sup>3</sup>	NaOH	Methano	12.71.5					Residua	Pace	Pace Project No./ Lab I.D	o,/ Lab I.D.
-	49-WF RM 22-FD	Q	DW G			3	420			×			×								
2	- Rm 12	DW				-				×			L×								
က	1	Wa	N G							×			×								
4	- WF Am	DW	დ ×							×	_		×								
9	- WF RM	Q	DW							×		1	×								
9	ンとなっと	DW	Ø  }						#	×	_		×								
2	an ig	MO				-				×			×							!	
<b>ω</b> σ	56 - WF King 19 - FL C2 - W/C Q - 10 - FD	WQ YQ	υ υ ≥ ≥							××			×								
10	r R	MO	$\perp$							×			×								
=		DW	<u>ი</u>			-	-			×			×								
12	60 - WE RMA - FL	۵	DW G			)				$\stackrel{\times}{\dashv}$			×			i i i i i i i i i i i i i i i i i i i					
	ADDITIONAL COMMENTS	꿆	LINGUE	RELINQUISHED BY / AFFILIATION	AFFILIATIC	z	DATE	TIME	ш	$\mathbf{q}$	ACC	EPTED	BY / AF	ACCEPTED BY / AFFILIATION		DATE	TIME		SAMPL	SAMPLE CONDITIONS	NS
		KyC	6 020	Ky Ce Boundlowers		Sunfler	8/4/10	12:16	9	)	2	4	$\mathbb{L}$	ا م	<u> </u>	3/10/18	3				
FD - First	FD - First Draw Sample																				
FL - Flush Sample	ı Sample																				
					SAMPLEF	R NAME AN	SAMPLER NAME AND SIGNATURE	땅			4					100		၁.		19lo	
					<u> </u>	RINT Name	PRINT Name of SAMPLER:		Kyle Boun	§ §	۶							uị di	bəvie A\Y) (	stod od Co Y/N)	iles li V/V)
				.,,,,,	Š	SIGNATURE	E of SAMPLER:	3	13	5/2	hound	]	ءَ ۾	DATE Signed	120	In Mic		neT		Seale	) dweg
				-				100		3	2	اد	-	,	3	× ×					3

# 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. Samples Intact (V/V) DRINKING WATER SAMPLE CONDITIONS (N/Y) OTHER Sealed Coo Custody <u>></u> Ice (Y/N) ☐ GROUND WATER Residual Chlorine (Y/N) O° ni qmeT Page: REGULATORY AGENCY  $\exists$ RCRA Į 97 Requested Analysis Filtered (Y/N) 19/10/18 (MM/DD/YY): Of 104/16 Site Location STATE: NPDES DATE UST ACCEPTED BY / AFFILIATION 280 Huyler St, S Hackensack, NJ ead in drink water 200.8 Company Name: Omega Environmental Test Test 1 N // Other Methanol holetshorn Accts Payable Preservatives  $S_2S_2O_3$ HOBN 2002 ЮН nvoice Information: €ОИН <sup>†</sup>OS<sup>z</sup>H Reference:
Pace Project
Manager:
Pace Profile #: 12:16 Section C TIME Attention: ace Quote Unpreserved Address: # OF CONTAINERS SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: SIGNATURE of SAMPLER: Sopy To: mikel@omega-env.com, davide@omega-env.con SAMPLE TEMP AT COLLECTION DATE Primary S. S. TIME COMPOSITE END/GRAB DATE 10Mgs Simple COLLECTED Madison RELINQUISHED BY / AFFILIATION emmam@omega-env.com TIME Project Number: / C-27cm21K COMPOSITE Report To: Lab@omega-env.com DATE Project Name: James Required Project Information Kyle Bours മ ტ ტ മ ტ മ ტ DW SAMPLE TYPE മ DW (G=GRAB C=COMP) urchase Order No.: ě Μ M Μ M M ΜO DW Š Ã (see valid codes to left) MATRIX CODE Section B Valid Matrix Codes DRINKING WATER WATER WASTE WATER PRODUCT SOIL/SOLID - Fi 62 - Custo dien Sink - FC OIL WIPE AIR OTHER TISSUE Rm 18- FD Km18-FL RM P-FD Rm 17-FD Rm12-FL たでにしったり S. Hackensack, NJ 07606 ADDITIONAL COMMENTS (A-Z, 0-97,-) Sample IDs MUST BE UNIQUE Lab@Omega-env.com Omega Environmental Fax: 5 day SAMPLE ID 61-(WStocken 280 Huyler Street Section D Required Client Information Required Client Information: Requested Due Date/TAT: らる、ダア hone: 201-489-8700 58-WE 64 "VF 67-W.F ころで 66 WF D - First Draw Sample FL - Flush Sample Section A Company: Email To: ddress: 9 7 ... Ŧ # MHLI



www.pacelabs.com

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 : 08/10/16 9:33 AM

Collected By : CLIENT

Sample Type: Potable Water

Date Reported: 8/20/2016 Copies To: CC

				<u>Lead</u>
			<u>Units</u>	ug/L
			Method	E200.8 : IOC
Lab Number	Location	Collected	<u>Limits</u>	15
1608B25-001A  Distribution	01-FACULTY ROOM S	SINK- 8/4/2016 9:00:00 AM	Analysis Time	33 * 8/16/2016 8:14:27 PM JAMES MADISON PRIMARY
1608B25-002A  Distribution	03-WF RM 8-FD 3	8/4/2016 9:00:00 AM	Analysis Time	2.9 8/16/2016 8:17:23 PM JAMES MADISON PRIMARY
1608B25-003A  Distribution	05-WF RM 11-FD 5	8/4/2016 9:00:00 AM	Analysis Time	2.9 8/16/2016 8:20:16 PM JAMES MADISON PRIMARY
1608B25-004A  Distribution	07-WF RM 5-FD 7	8/4/2016 9:00:00 AM	Analysis Time	3.7 8/16/2016 8:23:11 PM JAMES MADISON PRIMARY
1608B25-005A  Distribution	09-WF RM 6-FD 9	8/4/2016 9:00:00 AM	Analysis Time	4.3 8/16/2016 8:26:05 PM JAMES MADISON PRIMARY

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
	11-WF RM 7-FD 11	8/4/2016 9:00:00 AM	Analysis Time	2.6 8/16/2016 8:29:00 PM
Distribution				JAMES MADISON PRIMARY
1608B25-007A	13-WF RM 13-FD	8/4/2016 9:00:00 AM	Analysis	< 1.0 8/16/2016 8:31:55 PM
Distribution	13		Time	
Distribution				JAMES MADISON PRIMARY
1608B25-008A	15-WF RM 14-FD	8/4/2016 9:00:00 AM	Analysis	< 1.0 8/16/2016 8:46:37 PM
Distribution	15		Time	8/10/2016 8:46:37 PW
Distribution				JAMES MADISON PRIMARY
1608B25-009A	17-WF RM 15-FD	8/4/2016 9:00:00 AM	Analysis	< 1.0
Distribution	17		Time	8/16/2016 8:49:33 PM
Distribution				JAMES MADISON PRIMARY
1608B25-010A	19-WF RM 16-FD	8/4/2016 9:00:00 AM	Analysis	< 1.0 8/16/2016 8:52:29 PM
B	19		Time	8/16/2016 8:52:29 PW
Distribution				JAMES MADISON PRIMARY

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Collected By : CLIENT

Sample Type: Potable Water

Date Reported: 8/20/2016 Copies To: CC

				<u>Lead</u>
			<u>Units</u>	ug/L
			Method	E200.8 : IOC
Lab Number	Location	Collected	<u>Limits</u>	15
1608B25-011A  Distribution	21-WF NEAR RM 4-FD 21	8/4/2016 9:00:00 AM	Analysis Time	1.3 8/16/2016 8:55:24 PM JAMES MADISON PRIMARY
1608B25-012A  Distribution	23-WF RM 4-FD 23	8/4/2016 9:00:00 AM	Analysis Time	3.5 8/16/2016 8:58:19 PM JAMES MADISON PRIMARY
1608B25-013A  Distribution	25-WF RM 3-FD 25	8/4/2016 9:00:00 AM	Analysis Time	3.5 8/16/2016 9:01:13 PM JAMES MADISON PRIMARY
1608B25-014A  Distribution	27-MAIN OFFICE SINK-F 27	FD 8/4/2016 9:00:00 AM	Analysis Time	2.8 8/16/2016 9:04:08 PM JAMES MADISON PRIMARY
1608B25-015A  Distribution	29-NURSES OFFICE SIN 29	NK 8/4/2016 9:00:00 AM	Analysis Time	11 8/16/2016 9:07:03 PM JAMES MADISON PRIMARY

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South Hackensack, NJ 07606

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Received : 08/10/16 9:33 AM

Collected By : CLIENT

Sample Type: Potable Water

Date Reported: 8/20/2016 Copies To: CC

				<u>Lead</u>
			<u>Units</u>	ug/L
			Method	E200.8 : IOC
Lab Number	Location	Collected	<u>Limits</u>	15
1608B25-016A  Distribution	31-WF RM 28-FD 31	8/4/2016 9:00:00 AM	Analysis Time	5.0 8/16/2016 9:21:37 PM
Diotilibution.				JAMES MADISON PRIMARY
	33-WF RM 27-FD 33	8/4/2016 9:00:00 AM	Analysis Time	5.6 8/16/2016 9:24:34 PM
Distribution				JAMES MADISON PRIMARY
1608B25-018A	35-WF NEAR RM 27-FD 35	8/4/2016 9:00:00 AM	Analysis	2.0 8/16/2016 9:27:29 PM
Distribution	33		Time	JAMES MADISON PRIMARY
1608B25-019A	37-WF RM 26-FD	8/4/2016 9:00:00 AM	Analysis	1.2 8/16/2016 9:30:24 PM
Distribution	37		Time	JAMES MADISON PRIMARY
1609D2E 020A	39-WF RM 25-FD	8/4/2016 9:00:00 AM		4.7
1000DZ3-UZUA	39-WF RM 25-FD	5/4/2010 9.00.00 AIVI	Analysis Time	8/16/2016 9:33:19 PM
Distribution				JAMES MADISON PRIMARY

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280 Huyler Street

South Hackensack, NJ 07606

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Federal ID:

Received : 08/10/16 9:33 AM

Collected By : CLIENT

Sample Type: Potable Water

Date Reported: 8/20/2016 Copies To: CC

			<u>Lead</u>
		<u>Units</u>	ug/L
		Method	E200.8 : IOC
Location	Collected	<u>Limits</u>	15
41-WF RM 24-FD	8/4/2016 9:00:00 AM	A I i -	2.1
41		•	8/16/2016 9:36:13 PM
		Time	JAMES MADISON PRIMARY
43-LIBRARY SINK-FD	8/4/2016 9:00:00 AM	Analysis	18 * 8/16/2016 9:39:09 PM
43		Time	6/10/2016 9:39:09 PW
			JAMES MADISON PRIMARY
AF WE DM 22 ED	9/4/2016 0:00:00 AM		4.0
	6/4/2016 9.00.00 AW	Analysis	1.2 8/16/2016 9:42:03 PM
45		Time	JAMES MADISON PRIMARY
			JAINES MADISON PRIMARY
47-KITCHEN SINK-FD	8/4/2016 9:00:00 AM	Analysis	1.4
47			8/16/2016 9:56:41 PM
		11110	JAMES MADISON PRIMARY
49-WF RM 22-FD	8/4/2016 9:00:00 AM	Analysis	< 1.0 8/16/2016 9:59:36 PM
49		Time	0/10/2010 9:39:30 PM
			JAMES MADISON PRIMARY
	41-WF RM 24-FD 41  43-LIBRARY SINK-FD 43  45-WF RM 23-FD 45  47-KITCHEN SINK-FD 47	41-WF RM 24-FD 8/4/2016 9:00:00 AM 41  43-LIBRARY SINK-FD 8/4/2016 9:00:00 AM 43  45-WF RM 23-FD 8/4/2016 9:00:00 AM 45  47-KITCHEN SINK-FD 8/4/2016 9:00:00 AM 47	Location         Collected         Method Limits           41-WF RM 24-FD         8/4/2016 9:00:00 AM         Analysis Time           43-LIBRARY SINK-FD         8/4/2016 9:00:00 AM         Analysis Time           43-WF RM 23-FD         8/4/2016 9:00:00 AM         Analysis Time           45-WF RM 23-FD         8/4/2016 9:00:00 AM         Analysis Time           47-KITCHEN SINK-FD         8/4/2016 9:00:00 AM         Analysis Time           49-WF RM 22-FD         8/4/2016 9:00:00 AM         Analysis Analys

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280 Huyler Street

South Hackensack, NJ 07606

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Federal ID:

Received : 08/10/16 9:33 AM

Collected By : CLIENT

Sample Type: Potable Water

Date Reported: 8/20/2016 Copies To: CC

				<u>Lead</u>
			<u>Units</u>	ug/L
			Method	E200.8 : IOC
Lab Number	Location	Collected	<u>Limits</u>	15
1608B25-026A	51-WF RM 21-FD	8/4/2016 9:00:00 AM	Analysis	1.0
	51		Time	8/16/2016 10:02:31 PM
Distribution				JAMES MADISON PRIMARY
1609B25-027A	53-WF RM 20-FD	8/4/2016 9:00:00 AM		1.2
1000B2J-021A	53 - WI KW 20-1 D	0/4/2010 3:00:00 AW	Analysis	8/16/2016 10:05:27 PM
Distribution	55		Time	LAMES AND DOOR BRINGS
				JAMES MADISON PRIMARY
1608B25-028A	55-WF RM 19-FD	8/4/2016 9:00:00 AM	Analysis	< 1.0
	55		Time	8/16/2016 10:08:21 PM
Distribution				JAMES MADISON PRIMARY
1608B25-029A	57-WF RM 10-FD	8/4/2016 9:00:00 AM	Analysis	5.2 8/16/2016 10:11:15 PM
Distribution	57		Time	
DISHIBUIION				JAMES MADISON PRIMARY
1608B25-030A	59-WF RM 9-FD	8/4/2016 9:00:00 AM	Analysis	3.1
	59		Time	8/16/2016 10:14:09 PM
Distribution				JAMES MADISON PRIMARY

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Collected By : CLIENT

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Date Reported: 8/20/2016 Copies To: CC

				<u>Lead</u>
			<u>Units</u>	ug/L
			Method	E200.8 : IOC
Lab Number	Location	Collected	Limits	15
1608B25-031A  Distribution	61-CUSTODIAN SINK-FD 61	8/4/2016 9:00:00 AM	Analysis Time	2.9 8/16/2016 10:17:03 PM JAMES MADISON PRIMARY
1608B25-032A  Distribution	63-WF RM 18-FD 63	8/4/2016 9:00:00 AM	Analysis Time	3.4 8/16/2016 10:31:41 PM JAMES MADISON PRIMARY
1608B25-033A  Distribution	65-WF RM 17-FD 65	8/4/2016 9:00:00 AM	Analysis Time	1.4 8/16/2016 10:34:36 PM JAMES MADISON PRIMARY
1608B25-034A  Distribution	67-WF RM 12-FD 67	8/4/2016 9:00:00 AM	Analysis Time	1.3 8/16/2016 10:37:32 PM JAMES MADISON PRIMARY
1608B25-035A  Distribution	02-FACULTY ROOM SINK 2	- 8/4/2016 9:00:00 AM	Analysis Time	6.1 8/18/2016 11:57:29 PM JAMES MADISON PRIMARY

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			<u>Units</u>	ug/L
			Method	E200.8 : IOC
Lab Number	Location	Collected	<u>Limits</u>	15
1608B25-036A  Distribution	04-WF RM 8-FL 4	8/4/2016 9:00:00 AM	Analysis Time	< 1.0 8/19/2016 12:00:22 AM JAMES MADISON PRIMARY
1608B25-037A  Distribution	06-WF RM 11-FL 6	8/4/2016 9:00:00 AM	Analysis Time	< 1.0 8/19/2016 12:15:04 AM JAMES MADISON PRIMARY
1608B25-038A  Distribution	08-WF RM 5-FL 8	8/4/2016 9:00:00 AM	Analysis Time	< 1.0 8/19/2016 12:17:58 AM JAMES MADISON PRIMARY
1608B25-039A  Distribution	10-WF RM 6-FL 10	8/4/2016 9:00:00 AM	Analysis Time	< 1.0 8/19/2016 12:20:54 AM JAMES MADISON PRIMARY
1608B25-040A  Distribution	12-WF RM 7-FL 12	8/4/2016 9:00:00 AM	Analysis Time	< 1.0 8/19/2016 12:23:48 AM JAMES MADISON PRIMARY

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			<u>Units</u>	ug/L
			Method	E200.8 : IOC
Lab Number	Location	Collected	<u>Limits</u>	15
1608B25-041A  Distribution	14-WF RM 13-FL 14	8/4/2016 9:00:00 AM	Analysis Time	< 1.0 8/19/2016 12:26:43 AM
Distribution				JAMES MADISON PRIMARY
1608B25-042A	16-WF RM 14-FL	8/4/2016 9:00:00 AM	Analysis	< 1.0 8/19/2016 12:29:38 AM
Distribution	10		Time	JAMES MADISON PRIMARY
1608B25-043A	18-WF RM 15-FL	8/4/2016 9:00:00 AM	Analysis	< 1.0 8/19/2016 12:32:31 AM
Distribution	16		Time	JAMES MADISON PRIMARY
1608B25-044A	20-WF RM 16-FL	8/4/2016 9:00:00 AM	Analysis	< 1.0 8/19/2016 12:35:28 AM
Distribution	20		Time	JAMES MADISON PRIMARY
1608B25-045A	22-WF NEAR RM 4-FL 22	8/4/2016 9:00:00 AM	Analysis	< 1.0 8/19/2016 12:50:11 AM
Distribution			Time	JAMES MADISON PRIMARY

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**Omega Environmental Services** 

NYSDOH ID#10478

280 Huyler Street

South Hackensack, NJ 07606

Attn To: Michael Levay

Federal ID:

Received : 08/10/16 9:33 AM

Collected By : CLIENT

Sample Type: Potable Water

Date Reported: 8/20/2016 Copies To: CC

			<u>Lead</u>
		<u>Units</u>	ug/L
		Method	E200.8 : IOC
Location	Collected	<u>Limits</u>	15
24-WF RM 4-FL 24	8/4/2016 9:00:00 AM	Analysis Time	< 1.0 8/19/2016 12:53:07 AM
			JAMES MADISON PRIMARY
	8/4/2016 9:00:00 AM	Analysis	< 1.0 8/19/2016 12:56:03 AM
26		Time	JAMES MADISON PRIMARY
	8/4/2016 9:00:00 AM	Analysis	< 1.0 8/19/2016 12:58:58 AM
20		Time	JAMES MADISON PRIMARY
20 NI IDSES OFFICE SINK	8/4/2016 0:00:00 AM		< 1.0
30-NORSES OFFICE SINK	6/4/2010 9.00.00 AW	Analysis Time	8/19/2016 1:01:55 AM
		111116	JAMES MADISON PRIMARY
32-WF RM 28-FL	8/4/2016 9:00:00 AM	A b '	< 1.0
32		Analysis Time	8/19/2016 1:04:50 AM
			JAMES MADISON PRIMARY
	24-WF RM 4-FL 24  26-WF RM 3-FL 26  28-MAIN OFFICE SINK-FL 28  30-NURSES OFFICE SINK 30  32-WF RM 28-FL	24-WF RM 4-FL 8/4/2016 9:00:00 AM 24  26-WF RM 3-FL 8/4/2016 9:00:00 AM 26  28-MAIN OFFICE SINK-FL 8/4/2016 9:00:00 AM 28  30-NURSES OFFICE SINK 8/4/2016 9:00:00 AM 30  32-WF RM 28-FL 8/4/2016 9:00:00 AM	Location         Collected         Method Limits           24-WF RM 4-FL         8/4/2016 9:00:00 AM Time         Analysis Time           26-WF RM 3-FL         8/4/2016 9:00:00 AM Time         Analysis Time           28-MAIN OFFICE SINK-FL         8/4/2016 9:00:00 AM Time         Analysis Time           30-NURSES OFFICE SINK 8/4/2016 9:00:00 AM 30         Analysis Time           32-WF RM 28-FL         8/4/2016 9:00:00 AM Analysis Time         Analysis Analysis Time

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

Result(s) flagged with Exceed NYSRegulatory Limit(s). Limit noted.

+ = ELAP / NELAC does not offer certification for this analyte

Treatments:

A = Air Stripper Tower

G = Granular Activated Carbon

FM = Iron/Manganese Removal

N = Nitrate Removal O = Other

Elizabeth Harrison Test results meet the requirements of NELAC unless otherwise noted.

Project Manager



www.pacelabs.com

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.

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				<u>Lead</u>
			<u>Units</u>	ug/L
			Method	E200.8 : IOC
Lab Number	Location	Collected	<u>Limits</u>	15
1608B25-051A	34-WF RM 27-FL	8/4/2016 9:00:00 AM	Analysis	< 1.0 8/19/2016 1:07:44 AM
	34		Time	6/19/2016 1:0/:44 AW
Distribution				JAMES MADISON PRIMARY
1608B25-052A	36-WF NEAR RM 27-FL	8/4/2016 9:00:00 AM	Analysis	< 1.0
	36		Time	8/19/2016 1:10:38 AM
Distribution				JAMES MADISON PRIMARY
1608B25-053A	38-WF RM 26-FL	8/4/2016 9:00:00 AM	Analysis	< 1.0
	38		Time	8/19/2016 2:10:26 AM
Distribution				JAMES MADISON PRIMARY
1608B25-054A	40-WF RM 25-FL	8/4/2016 9:00:00 AM	A b i -	< 1.0
	40		Analysis Time	8/19/2016 2:13:21 AM
Distribution			Time	JAMES MADISON PRIMARY
1608B25-055A	42-WF RM 24-FL	8/4/2016 9:00:00 AM		< 1.0
	42		Analysis Time	8/19/2016 2:16:16 AM
Distribution			Tille	JAMES MADISON PRIMARY

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				<u>Lead</u>
			<u>Units</u>	ug/L
			Method	E200.8 : IOC
Lab Number	Location	Collected	<u>Limits</u>	15
1608B25-056A  Distribution	44-LIBRARY SINK-FL 44	8/4/2016 9:00:00 AM	Analysis Time	< 1.0 8/19/2016 2:19:11 AM JAMES MADISON PRIMARY
1608B25-057A  Distribution	46-WF RM 23-FL 46	8/4/2016 9:00:00 AM	Analysis Time	< 1.0 8/19/2016 2:22:06 AM JAMES MADISON PRIMARY
1608B25-058A  Distribution	48-KITCHEN SINK-FL 48	8/4/2016 9:00:00 AM	Analysis Time	< 1.0 8/19/2016 2:25:02 AM JAMES MADISON PRIMARY
1608B25-059A  Distribution	50-WF RM 22-FL 50	8/4/2016 9:00:00 AM	Analysis Time	< 1.0 8/19/2016 2:27:57 AM JAMES MADISON PRIMARY
1608B25-060A  Distribution	52-WF RM 21-FL 52	8/4/2016 9:00:00 AM	Analysis Time	< 1.0 8/19/2016 2:30:52 AM JAMES MADISON PRIMARY

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				<u>Lead</u>	
			<u>Units</u>	ug/L	
			Method	E200.8 : IOC	
Lab Number	Location	Collected	<u>Limits</u>	15	
1608B25-061A  Distribution	54-WF RM 20-FL 54	8/4/2016 9:00:00 AM	Analysis Time	< 1.0 8/19/2016 2:45:33 AM JAMES MADISON PRIMARY	
1608B25-062A	56-WF RM 19-FL	8/4/2016 9:00:00 AM	Analysis	< 1.0 8/19/2016 2:48:28 AM	
Distribution	30		Time	JAMES MADISON PRIMARY	
1608B25-063A  Distribution	58-WF RM 10-FL 58	8/4/2016 9:00:00 AM	Analysis Time	< 1.0 8/19/2016 2:51:23 AM	
	60-WF RM 9-FL	8/4/2016 9:00:00 AM		JAMES MADISON PRIMARY  1.3	
Distribution	60	2	Analysis Time	8/19/2016 2:54:18 AM  JAMES MADISON PRIMARY	
1608B25-065A  Distribution	62-CUSTODIAN SINK-FL 62	8/4/2016 9:00:00 AM	Analysis Time	< 1.0 8/19/2016 2:57:14 AM JAMES MADISON PRIMARY	

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Project Manager



Pace Analytical
575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436

www.pacelabs.com

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			•	<u>Lead</u>
			<u>Units</u>	ug/L
			Method	E200.8 : IOC
Lab Number	Location	Collected	<u>Limits</u>	15
1608B25-066A	64-WF RM 18-FL	8/4/2016 9:00:00 AM	A b i -	< 1.0
	64		Analysis Time	8/19/2016 3:00:09 AM
Distribution			11110	JAMES MADISON PRIMARY
1608B25-067A	66-WF RM 17-FL	8/4/2016 9:00:00 AM	Analysis	< 1.0
	66		Time	8/19/2016 3:03:03 AM
Distribution				JAMES MADISON PRIMARY
1608B25-068A	68-WF RM 12-FL	8/4/2016 9:00:00 AM	Analysis	< 1.0
	68		Time	8/19/2016 3:06:00 AM
Distribution				JAMES MADISON PRIMARY

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Test results meet the requirements of NELAC unless otherwise noted.

Elizabeth Harrison

AC Project Manager



## PACE ANALYTICAL 575 Broad Hollow Road Melville, NY 11747

**Sample Receipt Checklist** 

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

All samples received at a temp. of > 0° C to 6.0° C?  Response when temperature is outside of range:  Sample Temp. taken and recorded upon receipt?  Water - Were bubbles absent in VOC vials?  Water - Was there Chlorine Present?  Yes No No No No Vials  Water - pH acceptable upon receipt?  Yes No No No Water	Client Name OES		Da	te and Time Received:	8/10/2016 9:33:00 AM
Carrier name:   EqdEx	Work Order Number: 1608B25	RcptNo: 1	Re	ceived by: Linda Sicili	ano
Carrier name: FedEx Chain of custody present?	Completed by:	)e_	Reviewed by:	Elizabeth	L Harrison
Chain of custody present?	Completed Date: <u>8/10/2016 9:45:47 PM</u>		Reviewed Date	: <u>8/15/201</u>	6 2:17:08 PM
Chain of custody signed when relinquished and received?	Carrier name: FedEx				
Samples in proper container/bottle?	Chain of custody signed when relinquished and re Chain of custody agrees with sample labels? Are matrices correctly identified on Chain of custods it clear what analyses were requested?	eceived? Yes Yes ody? Yes Yes	V No No No		✓
Sufficient sample volume for indicated test?  Were container labels complete (ID, Pres, Date)?  All samples received within holding time?  All samples received within holding time?  All samples received at a temp. of > 0° C to 6.0° C?  Response when temperature is outside of range:  Sample Temp. taken and recorded upon receipt?  Water - Were bubbles absent in VOC vials?  Water - Was there Chlorine Present?  Water - PH acceptable upon receipt?  Yes No No No Water  Water - PH acceptable upon receipt?  Yes No No Water  Are Samples considered acceptable?  Custody Seals present?  Airbill Or Sticker?  Airbill No:  To No Water  No Water No Water  Custody Seals present?  Airbill No:  Case Number:  SDG:  SAS:  Any No response should be detailed in the comments section below, if applicable.  Client Contacted? Yes No	Samples in proper container/bottle? Were correct preservatives used and noted?	Yes	<b>✓</b> No		
All samples received at a temp. of > 0° C to 6.0° C? Yes	Sample Condition? Sufficient sample volume for indicated test? Were container labels complete (ID, Pres, Date)?	Yes Yes	✓ No		
Water - Were bubbles absent in VOC vials?  Water - Was there Chlorine Present?  Water - PH acceptable upon receipt?  Are Samples considered acceptable?  Custody Seals present?  Air Bill Sticker?  Air Bill Sticker Not Present  Case Number:  SDG:  SAS:  Any No response should be detailed in the comments section below, if applicable.  Client Contacted?  Yes No No Present  Not Present  Not Present  Not Present  In Person:  Client Contacted?  Contact Mode:  Phone:  Fax:  Email:  In Person:  Client Instructions:  Date Contacted:  Contacted:  Contacted By:  Regarding:  Comments:	Response when temperature is outside of range:	C? Yes	□ No	□ NA	✓
Airbill or Sticker?  Air Bill Sticker Not Present  783780660313  Case Number: SDG: SAS:  Any No response should be detailed in the comments section below, if applicable.  Client Contacted? Yes No NA Person Contacted:  Contact Mode: Phone: Fax: Email: In Person:  Client Instructions:  Date Contacted: Contacted:  Regarding:  Comments:	Water - Were bubbles absent in VOC vials? Water - Was there Chlorine Present?	Yes Yes Yes	□ No □ No □ No	No Vials NA No Water	✓
Any No response should be detailed in the comments section below, if applicable.  ———————————————————————————————————	Airbill or Sticker?	Air Bill	<b>✓</b> Sticker		
Contact Mode: Phone: Fax: Email: In Person: Client Instructions: Date Contacted: Contacted By: Regarding: Comments:		nents section below, if appl			
Client Instructions:  Date Contacted: Contacted By:  Regarding: Comments:	Client Contacted?		acted:		
Regarding: Comments:	Client Instructions:	_	☐ In Pe	rson:	
CorrectiveAction:	Regarding:	Contacted By:			
	CorrectiveAction:				



 $\frac{\text{WorkOrder:}}{1608B25}$ 

# **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