H 2 M architects + engineers

538 Broad Hollow Road, 4th Floor East
Melville, NY 11747

tel 631.756.8000
fax 631.694.4122

July 23, 2018

Mr. John Hustedt
Director of Facilities
South Huntington Union Free School District
60 Weston Street
South Huntington, N.Y. 11746

RE: District-Wide Drinking Water Lead Testing
Water Resampling Analysis Report

Dear Mr. Hustedt:

As a result of our original water re-sampling & analysis report dated November 30, 2017, H2M identified several outlet locations which exceeded the NYSDOH action level of 15ppb. Immediately, the District aggressively implemented the recommended action plan; instituting a flushing program, replacing the fixtures at the outlets, and performing a third round of sampling upon completion of the remedial work. The following report identifies the outlet locations which were re-sampled, along with the current and initial test results for comparison purposes.

Oakwood Primary Center

Location	Original 1st Draw Results	Re-Tested 1st Draw Results	Re-Tested 2nd Draw Results
Room 100	4850 ppb	11.6 ppb	<1.0 ppb

Countrywood Primary Center

Location	Original 1st Draw Results	Re-Tested 1st Draw Results	Re-Tested 2nd Draw Results
Room 300	126 ppb	6.1 ppb	<1.0 ppb

Maplewood Intermediate School

Location	Original 1st Draw Results	Re-Tested 1st Draw Results	Re-Tested 2nd Draw Results
Room 117 (bathroom)	25 ppb	11.4 ppb	<1.0 ppb

Silas Wood Sixth Grade Center

Location	Original 1st Draw Results	Re-Tested 1st Draw Results	Re-Tested 2nd Draw Results
Room 222 (outlet #2)	52.6 ppb	9.3 ppb	1.4 ppb
Liberty Room (Library)	23.8 ppb	4.6 ppb	1.0 ppb
Room 227 (outlet #1)	262 ppb	3.5 ppb	1.7 ppb
Room 227 (outlet #2)	Fixture didn't work	7.7 ppb	1.2 ppb

Stimson Middle School

Location	Original 1st Draw Results	Re-Tested 1st Draw Results	Re-Tested 2nd Draw Results
Boy's Toilet (outlet #6)	1590 ppb	<4.7 ppb	<1.0 ppb
Girl's Toilet (outlet #6)	298 ppb	<3.9 ppb	<1.0 ppb

Walt Whitman High School

Location	Original 1st Draw Results	Re-Tested 1st Draw Results	Re-Tested 2nd Draw Results
South Snack Bar	135 ppb	42.3 ppb	5.2 ppb
Men's Toilet (outlet #11)	32.3 ppb	9.5 ppb	<1.0 ppb
Men's Toilet (outlet #12)	22.0 ppb	8.2 ppb	<1.0 ppb
Women's Toilet (outlet #19)	28.4 ppb	3.6 ppb	<1.0 ppb
Women's Toilet (outlet #20)	65.5 ppb	8.1 ppb	1.8 ppb

For the one (1) location in which the fixture still exceeded the first draw action level, we would recommend replacing this fixture and confirm with the manufacturer to ensure the product is NSF/ANSI 61 certified.

Upon reviewing this report, if the District has any questions or would like H2M to present our finding to the Board of Educations please feel free to contact me at 631.756.8000 ext. 1359.

Very truly yours,
H2M architects + engineers

Saverio J. Belfiore, AIA, CSI, CDT
Vice President | Studio Director

SJB/sjb
Encl: (1)
cc: H2M _File, KRG
X:\SHSD (South Huntington School District) - 10884\SHSD1806_Water Sampling\00-Deliverables\18-0724 Fianl Report\SHSD_LeadRpt_72318.doc

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

June 26, 2018

Tim Mcguire
H2M Architects and Engineers
538 Broad Hollow Road
Melville, NY 11747

RE: Project: OAKWOOD PRIMARY CENTER
Pace Project No.: 7055411

Dear Tim Mcguire:
Enclosed are the analytical results for sample(s) received by the laboratory on June 19, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: OAKWOOD PRIMARY CENTER
Pace Project No.: 7055411

Long Island Certification IDs
575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: OAKWOOD PRIMARY CENTER
Pace Project No.: 7055411

Sample: ROOM 100 - A **Lab ID: 7055411001** Collected: 06/19/18 05:23 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**11.6**	ug/L	1.0	1		06/25/18 20:48	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
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QUALITY CONTROL DATA

Project: OAKWOOD PRIMARY CENTER
Pace Project No.: 7055411

QC Batch: 72795
QC Batch Method: EPA 200.8
Associated Lab Samples: 7055411001

Analysis Method: EPA 200.8
Analysis Description: 200.8 MET No Prep Drinking Water

METHOD BLANK: 334142 Matrix: Water
Associated Lab Samples: 7055411001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/25/18 13:29	

LABORATORY CONTROL SAMPLE: 334143

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.7	99	85-115	

MATRIX SPIKE SAMPLE: 334146

Parameter	Units	7055413001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	6.1	2	8.1	100	70-130	

MATRIX SPIKE SAMPLE: 334148

Parameter	Units	7055413002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	2	2.7	112	70-130	

SAMPLE DUPLICATE: 334145

Parameter	Units	7055413001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	6.1	5.9	3	

SAMPLE DUPLICATE: 334147

Parameter	Units	7055413002 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: OAKWOOD PRIMARY CENTER
Pace Project No.: 7055411

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: OAKWOOD PRIMARY CENTER
Pace Project No.: 7055411

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7055411001	**ROOM 100 - A**	EPA 200.8	72795		

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CHAIN-OF-CUSTODY / Analytical Request Doc

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

WO#: 7055411

7055411

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	H2M architects + engineers	Report To:	Ed Bradshaw, Derrick Luu	Attention:	
Address:	290 Broad Hollow Rd Suite 400E	Copy To:	Patricia Dougherty, Pdougherty@H2M.com	Company Name:	REGULATORY AGENCY
	Melville, NY 11747		Dluu@h2m.com	Address:	☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
Email To:	Ebradshaw@h2m.com	Purchase Order No.:		Pace Quote Reference:	☐ UST ☐ RCRA ☐ OTHER
Phone:	631-756-8000 Fax:	Project Name:	~~Stimson Middle School~~ Oakwood Primary	Pace Project Manager:	Site Location STATE: NY
Requested Due Date/TAT:	5 Day	Project Number:	Cert	Pace Profile #:	

Requested Analysis Filtered (Y/N)

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Room 100 - A	DW	G			06/19/18	5:23		1			1					x		001
2	Room 100 - B	DW	G			06/19/18	5:24		1	-		1					x		
3		DW	G			-													
4		DW	G																
5		DW	G																
6		DW	G																
7		DW	G																
8		DW	G																
9		DW	G																
10		DW	G																
11		DW	G																
12		DW	G																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Run "A" samples first, only run "B" samples if "A" is higher than 15 ppb.		6/19/18	1420		6/19/18	1424	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Kevin Mandemaker

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 6/19/18

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

WO#:7055411

Client Name: H2M

PM: JSA Due Date: 07/03/18

CLIENT: H2MPC

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No

Temperature Blank Present: ☐ Yes ☑ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other

Type of Ice: Wet Blue None

Thermometer Used: TH091 Correction Factor: 0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): Cooler Temperature Corrected (°C):

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil ☐ N/A, water sample)

Date and Initials of person examining contents: 6/19/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples originate from a foreign source (internation including Hawaii and Puerto Rico)? ☐ Yes ☑ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC739245				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative adde
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	15.
Trip Blank Present:	☐Yes	☐No	☑N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				Field Data Required? Y / N

Client Notification/ Resolution: Date/Time:

Person Contacted:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

July 03, 2018

Derrick Luu
H2M Architects and Engineers
538 Broad Hollow Road
Melville, NY 11747

RE: Project: OAKWOOD PRIMARY CENTER
Pace Project No.: 7055412

Dear Derrick Luu:
Enclosed are the analytical results for sample(s) received by the laboratory on June 19, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: OAKWOOD PRIMARY CENTER
Pace Project No.: 7055412

Long Island Certification IDs
575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: OAKWOOD PRIMARY CENTER
Pace Project No.: 7055412

Sample: ROOM 100 - B **Lab ID: 7055412001** Collected: 06/19/18 05:24 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**<1.0**	ug/L	1.0	1		06/27/18 16:57	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: OAKWOOD PRIMARY CENTER
Pace Project No.: 7055412

QC Batch: 73116 — Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 — Analysis Description: 200.8 MET No Prep Drinking Water
Associated Lab Samples: 7055412001

METHOD BLANK: 335544 — Matrix: Water
Associated Lab Samples: 7055412001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/27/18 11:48	

LABORATORY CONTROL SAMPLE: 335545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.8	102	85-115	

MATRIX SPIKE SAMPLE: 335548

Parameter	Units	7055408001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	2	2.8	114	70-130	

MATRIX SPIKE SAMPLE: 335550

Parameter	Units	7055408002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	2	2.6	115	70-130	

SAMPLE DUPLICATE: 335547

Parameter	Units	7055408001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 335549

Parameter	Units	7055408002 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: OAKWOOD PRIMARY CENTER
Pace Project No.: 7055412

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: OAKWOOD PRIMARY CENTER
Pace Project No.: 7055412

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7055412001	**ROOM 100 - B**	EPA 200.8	73116		

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CHAIN-OF-CUSTODY / Analytical Request Docu

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

WO# : 7055412

7055412

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	H2M architects + engineers	Report To:	Ed Bradshaw, Derrick Luu	Attention:	
Address:	290 Broad Hollow Rd Suite 400E	Copy To:	Patricia Dougherty, Pdougherty@H2M.com	Company Name:	
	Melville, NY 11747		Dluu@h2m.com	Address:	
Email To:	Ebradshaw@h2m.com	Purchase Order No.:		Pace Quote Reference:	
Phone:	631-756-8000 Fax:	Project Name:	~~Stimson Middle School~~ Oakwood Primary center	Pace Project Manager:	
Requested Due Date/TAT:	5 Day	Project Number:		Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NY

Requested Analysis Filtered (Y/N)

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Room 100 - A	DW	G			06/19/18	5:23		1			1						x		
2	Room 100 - B	DW	G			06/19/18	5:24		1			1						x		001
3		DW	G																	
4		DW	G																	
5		DW	G																	
6		DW	G																	
7		DW	G																	
8		DW	G																	
9		DW	G																	
10		DW	G																	
11		DW	G																	
12		DW	G																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Run "A" samples first, only run "B" samples if "A" is higher than 15 ppb.		6/19/18	1420		6/19/18	1440	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Kevin Mandemaker

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 6/19/18

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

WO#: 7055412

PM: JSA Due Date: 07/03/18

CLIENT: H2MPC

Client Name: H2M.

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No

Temperature Blank Present: ☐ Yes ☑ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other

Type of Ice: Wet Blue (None)

Thermometer Used: TH091 Correction Factor: 0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): Cooler Temperature Corrected (°C):

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample)

Date and Initials of person examining contents: 6/19/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples originate from a foreign source (international including Hawaii and Puerto Rico)? ☐ Yes ☑ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix: SL WT OIL				
All containers needing preservation have been checked	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC739245				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	15.
Trip Blank Present:	☐Yes	☐No	☑N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Field Data Required? Y / N

Client Notification/ Resolution: Date/Time:

Person Contacted:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

June 26, 2018

Tim Mcguire
H2M Architects and Engineers
538 Broad Hollow Road
Melville, NY 11747

RE: Project: LEAD 6/19
Pace Project No.: 7055413

Dear Tim Mcguire:
Enclosed are the analytical results for sample(s) received by the laboratory on June 19, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: LEAD 6/19
Pace Project No.: 7055413

Long Island Certification IDs
575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: LEAD 6/19
Pace Project No.: 7055413

Sample: CW 300 A **Lab ID: 7055413001** Collected: 06/19/18 06:00 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**6.1**	ug/L	1.0	1		06/25/18 13:35	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: LEAD 6/19
Pace Project No.: 7055413

Sample: CW 300 B **Lab ID: 7055413002** Collected: 06/19/18 06:00 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**<1.0**	ug/L	1.0	1		06/25/18 13:54	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: LEAD 6/19
Pace Project No.: 7055413

QC Batch: 72795
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET No Prep Drinking Water
Associated Lab Samples: 7055413001, 7055413002

METHOD BLANK: 334142 Matrix: Water
Associated Lab Samples: 7055413001, 7055413002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/25/18 13:29	

LABORATORY CONTROL SAMPLE: 334143

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.7	99	85-115	

MATRIX SPIKE SAMPLE: 334146

Parameter	Units	7055413001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	6.1	2	8.1	100	70-130	

MATRIX SPIKE SAMPLE: 334148

Parameter	Units	7055413002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	2	2.7	112	70-130	

SAMPLE DUPLICATE: 334145

Parameter	Units	7055413001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	6.1	5.9	3	

SAMPLE DUPLICATE: 334147

Parameter	Units	7055413002 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: LEAD 6/19
Pace Project No.: 7055413

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LEAD 6/19
Pace Project No.: 7055413

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7055413001	CW 300 A	EPA 200.8	72795		
7055413002	CW 300 B	EPA 200.8	72795		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

WO#: 7055413

7055413

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	H2M architects + engineers	Report To:	Saverio Belfiore, Derrick Luu	Attention:	
Address:	290 Broad Hollow Rd Suite 400E	Copy To:	sbelfiore@h2m.com	Company Name:	
	Melville, NY 11747		Dluu@h2m.com	Address:	
Email To:	Ebradshaw@h2m.com	Purchase Order No.:		Pace Quote Reference:	
Phone:	631-756-8000 Fax:	Project Name:		Pace Project Manager:	
Requested Due Date/TAT:	5 Day	Project Number:		Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NY

Requested Analysis Filtered (Y/N)

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	DW	G			06/19/18	6:00		1			1							x		001
2	DW	G			06/19/18	6:00		1			1							x		002
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		6/19/18	14:40		6/19/18	1440	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: ~~Kaitlyn Gioia~~ Kevin Madonia

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 6/19/18

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

Client Name: H2M

WO#: 7055413

PM: JSA Due Date: 07/03/18

CLIENT: H2MPC

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No

Temperature Blank Present: ☐ Yes ☑ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other

Type of Ice: Wet Blue (None)

Thermometer Used: TH091 Correction Factor: 0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): Cooler Temperature Corrected (°C): Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample) Date and Initials of person examining contents: 6/19/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples originate from a foreign source (international including Hawaii and Puerto Rico)? ☐ Yes ☑ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: SL WT OIL	☑Yes	☐No		12.
All containers needing preservation have been checked pH paper Lot # HC739245	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	15.
Trip Blank Present:	☐Yes	☐No	☑N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Field Data Required? Y / N

Client Notification/ Resolution: Date/Time:

Person Contacted:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

June 26, 2018

Tim Mcguire
H2M Architects and Engineers
538 Broad Hollow Road
Melville, NY 11747

RE: Project: LEAD 6/19
Pace Project No.: 7055418

Dear Tim Mcguire:
Enclosed are the analytical results for sample(s) received by the laboratory on June 19, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: LEAD 6/19
Pace Project No.: 7055418

Long Island Certification IDs
575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: LEAD 6/19
Pace Project No.: 7055418

Sample: MW 117 A **Lab ID: 7055418001** Collected: 06/19/18 05:34 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**11.4**	ug/L	1.0	1		06/25/18 20:15	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: LEAD 6/19
Pace Project No.: 7055418

Sample: MW 117 B **Lab ID: 7055418002** Collected: 06/19/18 05:34 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**<1.0**	ug/L	1.0	1		06/25/18 20:18	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: LEAD 6/19
Pace Project No.: 7055418

QC Batch: 72795
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET No Prep Drinking Water
Associated Lab Samples: 7055418001, 7055418002

METHOD BLANK: 334142
Matrix: Water
Associated Lab Samples: 7055418001, 7055418002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/25/18 13:29	

LABORATORY CONTROL SAMPLE: 334143

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.7	99	85-115	

MATRIX SPIKE SAMPLE: 334146

Parameter	Units	7055413001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	6.1	2	8.1	100	70-130	

MATRIX SPIKE SAMPLE: 334148

Parameter	Units	7055413002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	2	2.7	112	70-130	

SAMPLE DUPLICATE: 334145

Parameter	Units	7055413001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	6.1	5.9	3	

SAMPLE DUPLICATE: 334147

Parameter	Units	7055413002 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: LEAD 6/19
Pace Project No.: 7055418

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LEAD 6/19
Pace Project No.: 7055418

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7055418001	MW 117 A	EPA 200.8	72795		
7055418002	MW 117 B	EPA 200.8	72795		

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

WO#: 7055418

7055418

Section A
Required Client Information:

Company:	H2M architects + engineers
Address:	290 Broad Hollow Rd Suite 400E
	Melville, NY 11747
Email To:	Ebradshaw@h2m.com
Phone: 631-756-8000	Fax:
Requested Due Date/TAT:	5 Day

Section B
Required Project Information:

Report To:	Saverio Belfiore, Derrick Luu
Copy To:	sbelfiore@h2m.com
	Dluu@h2m.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NY

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	Sample ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW 117 A	DW	G			06/19/18	5:34		1			1							x		001
2	MW 117 B	DW	G			06/19/18	5:34		1			1							x		002
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		6/19/18	14:40		6/19/18	1440	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: ~~Kaitlyn Gioia~~ Kevin Madden

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 6/19/18

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

WO#: 7055418

PM: JSA Due Date: 07/03/18
CLIENT: H2MPC

Client Name: H2M

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No

Temperature Blank Present: ☐ Yes ☑ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other

Type of Ice: Wet Blue None

Thermometer Used: TH091 Correction Factor: 0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): Cooler Temperature Corrected (°C):

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

Date and Initials of person examining contents: 6/19/18

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate from a foreign source (internationa including Hawaii and Puerto Rico)? ☐ Yes ☑ No

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix: SL WT OIL				
All containers needing preservation have been checked	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC739245				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	15.
Trip Blank Present:	☐Yes	☐No	☑N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Field Data Required? Y / N

Client Notification/ Resolution: Date/Time:

Person Contacted:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

June 26, 2018

Tim Mcguire
H2M Architects and Engineers
538 Broad Hollow Road
Melville, NY 11747

RE: Project: LEAD 6/19
Pace Project No.: 7055417

Dear Tim Mcguire:
Enclosed are the analytical results for sample(s) received by the laboratory on June 19, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: LEAD 6/19
Pace Project No.: 7055417

Long Island Certification IDs
575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: LEAD 6/19
Pace Project No.: 7055417

Sample: SW LIB A **Lab ID: 7055417001** Collected: 06/19/18 05:03 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**4.6**	ug/L	1.0	1		06/25/18 19:44	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: LEAD 6/19
Pace Project No.: 7055417

Sample: SW LIB B **Lab ID: 7055417002** Collected: 06/19/18 05:03 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**1.0**	ug/L	1.0	1		06/25/18 19:47	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: LEAD 6/19
Pace Project No.: 7055417

Sample: SW 222 - 2A **Lab ID: 7055417003** Collected: 06/19/18 05:06 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**9.3**	ug/L	1.0	1		06/25/18 19:50	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: LEAD 6/19
Pace Project No.: 7055417

Sample: SW 222 - 2B **Lab ID: 7055417004** Collected: 06/19/18 05:06 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**1.4**	ug/L	1.0	1		06/25/18 19:53	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: LEAD 6/19
Pace Project No.: 7055417

Sample: SW 227 - 1A **Lab ID: 7055417005** Collected: 06/19/18 05:10 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**3.5**	ug/L	1.0	1		06/25/18 19:56	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: LEAD 6/19
Pace Project No.: 7055417

Sample: SW 227 - 1B **Lab ID: 7055417006** Collected: 06/19/18 05:10 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**1.7**	ug/L	1.0	1		06/25/18 19:59	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: LEAD 6/19
Pace Project No.: 7055417

Sample: SW 227 - 2A **Lab ID: 7055417007** Collected: 06/19/18 05:12 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**7.7**	ug/L	1.0	1		06/25/18 20:02	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: LEAD 6/19
Pace Project No.: 7055417

Sample: SW 227 - 2B **Lab ID: 7055417008** Collected: 06/19/18 05:12 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**1.2**	ug/L	1.0	1		06/25/18 20:11	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: LEAD 6/19
Pace Project No.: 7055417

QC Batch: 72795 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET No Prep Drinking Water
Associated Lab Samples: 7055417001, 7055417002, 7055417003, 7055417004, 7055417005, 7055417006, 7055417007, 7055417008

METHOD BLANK: 334142 Matrix: Water
Associated Lab Samples: 7055417001, 7055417002, 7055417003, 7055417004, 7055417005, 7055417006, 7055417007, 7055417008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/25/18 13:29	

LABORATORY CONTROL SAMPLE: 334143

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.7	99	85-115	

MATRIX SPIKE SAMPLE: 334146

Parameter	Units	7055413001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	6.1	2	8.1	100	70-130	

MATRIX SPIKE SAMPLE: 334148

Parameter	Units	7055413002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	2	2.7	112	70-130	

SAMPLE DUPLICATE: 334145

Parameter	Units	7055413001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	6.1	5.9	3	

SAMPLE DUPLICATE: 334147

Parameter	Units	7055413002 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: LEAD 6/19
Pace Project No.: 7055417

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LEAD 6/19
Pace Project No.: 7055417

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7055417001	SW LIB A	EPA 200.8	72795		
7055417002	SW LIB B	EPA 200.8	72795		
7055417003	SW 222 - 2A	EPA 200.8	72795		
7055417004	SW 222 - 2B	EPA 200.8	72795		
7055417005	SW 227 - 1A	EPA 200.8	72795		
7055417006	SW 227 - 1B	EPA 200.8	72795		
7055417007	SW 227 - 2A	EPA 200.8	72795		
7055417008	SW 227 - 2B	EPA 200.8	72795		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

WO#:7055417

7055417

Section A Required Client Information:

Company:	H2M architects + engineers
Address:	290 Broad Hollow Rd Suite 400E
	Melville, NY 11747
Email To:	Ebradshaw@h2m.com
Phone: 631-756-8000	Fax:
Requested Due Date/TAT:	5 Day

Section B Required Project Information:

Report To:	Saverio Belfiore, Derrick Luu
Copy To:	sbelfiore@h2m.com
	Dluu@h2m.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ JST ☐ RCRA ☐ OTHER ____

Site Location STATE: NY

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SW Lib A	DW	G			06/19/18	5:03		1			1						x			001
2	SW Lib B	DW	G			06/19/18	5:03		1			1						x			002
3	SW 222 - 2A	DW	G			06/19/18	5:06		1			1						x			003
4	SW 222 - 2B	DW	G			06/19/18	5:06		1			1						x			004
5	SW 227 - 1A	DW	G			06/19/18	5:10		1			1						x			005
6	SW 227 - 1B	DW	G			06/19/18	5:10		1			1						x			006
7	SW 227 - 2A	DW	G			06/19/18	5:12		1			1						x			007
8	SW 227 - 2B	DW	G			06/19/18	5:12		1			1						x			008
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		6/19/18	14:40		6/19/18	14:40	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: ~~Kaitlyn Cioia~~ Kevin Mordente

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 6/19/18

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

WO#: 7055417

PM: JSA Due Date: 07/03/18

CLIENT: H2MPC

Client Name: H2M.

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No

Temperature Blank Present: ☐ Yes ☒ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☒ None ☐ Other

Type of Ice: Wet Blue (None)

Thermometer Used: TH091 Correction Factor: 0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): Cooler Temperature Corrected (°C):

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

Date and Initials of person examining contents: 6/19/18

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate from a foreign source (internation, including Hawaii and Puerto Rico)? [ ] Yes [X] No

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☒Yes	☐No		1.
Chain of Custody Filled Out:	☒Yes	☐No		2.
Chain of Custody Relinquished:	☒Yes	☐No		3.
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☒Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☒No		6.
Rush Turn Around Time Requested:	☐Yes	☒No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☒Yes	☐No		8.
Correct Containers Used:	☒Yes	☐No		9.
-Pace Containers Used:	☒Yes	☐No		
Containers Intact:	☒Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix: SL (WT) OIL				
All containers needing preservation have been checked	☒Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC739245				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☒Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐Yes	☐No	☒N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☒N/A	15.
Trip Blank Present:	☐Yes	☐No	☒N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☒N/A	
Pace Trip Blank Lot # (if applicable):				Field Data Required? Y / N

Client Notification/ Resolution: Date/Time:

Person Contacted:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

July 03, 2018

Derrick Luu
H2M Architects and Engineers
538 Broad Hollow Road
Melville, NY 11747

RE: Project: STIMSON MIDDLE SCHOOL
Pace Project No.: 7055408

Dear Derrick Luu:
Enclosed are the analytical results for sample(s) received by the laboratory on June 19, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: STIMSON MIDDLE SCHOOL
Pace Project No.: 7055408

Long Island Certification IDs
575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: STIMSON MIDDLE SCHOOL
Pace Project No.: 7055408

Sample: BOY'S TOILET 6 - B **Lab ID: 7055408001** Collected: 06/19/18 05:32 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**<1.0**	ug/L	1.0	1		06/27/18 11:54	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: STIMSON MIDDLE SCHOOL
Pace Project No.: 7055408

Sample: GIRL'S TOILET 6 - B **Lab ID: 7055408002** Collected: 06/19/18 05:35 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**<1.0**	ug/L	1.0	1		06/27/18 12:13	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: STIMSON MIDDLE SCHOOL
Pace Project No.: 7055408

QC Batch: 73116
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET No Prep Drinking Water
Associated Lab Samples: 7055408001, 7055408002

METHOD BLANK: 335544 Matrix: Water
Associated Lab Samples: 7055408001, 7055408002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/27/18 11:48	

LABORATORY CONTROL SAMPLE: 335545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.8	102	85-115	

MATRIX SPIKE SAMPLE: 335548

Parameter	Units	7055408001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	2	2.8	114	70-130	

MATRIX SPIKE SAMPLE: 335550

Parameter	Units	7055408002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	2	2.6	115	70-130	

SAMPLE DUPLICATE: 335547

Parameter	Units	7055408001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 335549

Parameter	Units	7055408002 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: STIMSON MIDDLE SCHOOL
Pace Project No.: 7055408

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: STIMSON MIDDLE SCHOOL
Pace Project No.: 7055408

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7055408001	BOY'S TOILET 6 - B	EPA 200.8	73116		
7055408002	GIRL'S TOILET 6 - B	EPA 200.8	73116		

Pace Analytical
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CHAIN-OF-CUSTODY / Analytical Request Doc

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

WO# : 7055408

7055408

Section A
Required Client Information:

Company:	H2M architects + engineers
Address:	290 Broad Hollow Rd Suite 400E
	Melville, NY 11747
Email To:	Ebradshaw@h2m.com
Phone: 631-756-8000	Fax:
Requested Due Date/TAT:	5 Day

Section B
Required Project Information:

Report To:	Ed Bradshaw, Derrick Luu
Copy To:	Patricia Dougherty, Pdougherty@H2M.com
	Dluu@h2m.com
Purchase Order No.:	
Project Name:	Stimson Middle School
Project Number:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER ____

Site Location STATE: NY

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: Lead	Residual Chlorine (Y/N)	Pace Project No / Lab I.D
1	Boy's Toilet 6 - A	DW	G			06/19/18	5:31		1			1						x		
2	Boy's Toilet 6 - B	DW	G			06/19/18	5:32		1			1						x		001
3	Girl's Toilet 6 - A	DW	G			06/19/18	5:34		1			1						x		
4	Girl's Toilet 6 - B	DW	G			06/19/18	5:35		1			1						x		002
5		DW	G																	
6		DW	G																	
7		DW	G																	
8		DW	G																	
9		DW	G																	
10		DW	G																	
11		DW	G																	
12		DW	G																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Run "A" samples first, only run "B" samples if "A" is higher than 15 ppb.		6/19/18	14:40		6/19/18	1440	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Kevin Mandemaker

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 6/19/18

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

WO#: 7055408

PM: JSA Due Date: 07/03/18

CLIENT: H2MPC

Client Name: HzM

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No

Temperature Blank Present: ☐ Yes ☑ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other

Type of Ice: Wet Blue None

Thermometer Used: TH091 Correction Factor: 0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): Cooler Temperature Corrected (°C):

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

Date and Initials of person examining contents: 6/19/18

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples originate from a foreign source (internationa including Hawaii and Puerto Rico)? ☐ Yes ☑ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑ Yes	☐ No		1.
Chain of Custody Filled Out:	☑ Yes	☐ No		2.
Chain of Custody Relinquished:	☑ Yes	☐ No		3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☑ No		6.
Rush Turn Around Time Requested:	☐ Yes	☑ No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑ Yes	☐ No		12.
-Includes date/time/ID/Analysis Matrix: SL WT OIL				
All containers needing preservation have been checked	☑ Yes	☐ No	☐ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC739245				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑ Yes	☐ No	☐ N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐ Yes	☐ No	☑ N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☑ N/A	15.
Trip Blank Present:	☐ Yes	☐ No	☑ N/A	16.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if applicable):				Field Data Required? Y / N

Client Notification/ Resolution: Date/Time:

Person Contacted:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

June 25, 2018

Tim Mcguire
H2M Architects and Engineers
538 Broad Hollow Road
Melville, NY 11747

RE: Project: STIMSON MIDDLE SCHOOL
Pace Project No.: 7055407

Dear Tim Mcguire:
Enclosed are the analytical results for sample(s) received by the laboratory on June 19, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: STIMSON MIDDLE SCHOOL
Pace Project No.: 7055407

Long Island Certification IDs
575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: STIMSON MIDDLE SCHOOL
Pace Project No.: 7055407

Sample: BOY'S TOILET 6 - A **Lab ID: 7055407001** Collected: 06/19/18 05:31 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**4.7**	ug/L	1.0	1		06/25/18 13:17	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: STIMSON MIDDLE SCHOOL
Pace Project No.: 7055407

Sample: GIRL'S TOILET 6 - A **Lab ID: 7055407002** Collected: 06/19/18 05:34 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**3.9**	ug/L	1.0	1		06/25/18 13:20	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: STIMSON MIDDLE SCHOOL
Pace Project No.: 7055407

QC Batch: 72790
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET No Prep Drinking Water
Associated Lab Samples: 7055407001, 7055407002

METHOD BLANK: 334107
Matrix: Water
Associated Lab Samples: 7055407001, 7055407002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/25/18 11:55	

LABORATORY CONTROL SAMPLE: 334108

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.2	98	85-115	

MATRIX SPIKE SAMPLE: 334110

Parameter	Units	7055976002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	2	2.2	111	70-130	

MATRIX SPIKE SAMPLE: 334112

Parameter	Units	7055976003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	2	2.3	111	70-130	

SAMPLE DUPLICATE: 334109

Parameter	Units	7055976002 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 334111

Parameter	Units	7055976003 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: STIMSON MIDDLE SCHOOL
Pace Project No.: 7055407

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: STIMSON MIDDLE SCHOOL
Pace Project No.: 7055407

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7055407001	BOY'S TOILET 6 - A	EPA 200.8	72790		
7055407002	GIRL'S TOILET 6 - A	EPA 200.8	72790		

Pace Analytical™
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

WO#: 7055407

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	H2M architects + engineers	Report To:	Ed Bradshaw, Derrick Luu	Attention:	
Address:	290 Broad Hollow Rd Suite 400E	Copy To:	Patricia Dougherty, Pdougherty@H2M.com	Company Name:	
	Melville, NY 11747		Dluu@h2m.com	Address:	
Email To:	Ebradshaw@h2m.com	Purchase Order No.:		Pace Quote Reference:	
Phone: 631-756-8000	Fax:	Project Name:	Stimson Middle School	Pace Project Manager:	
Requested Due Date/TAT:	5 Day	Project Number:		Pace Profile #:	

7055407

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NY

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Boy's Toilet 6 - A	DW	G			06/19/18	5:31		1			1						x			001
2	Boy's Toilet 6 - B	DW	G			06/19/18	5:32		1			1						x			
3	Girl's Toilet 6 - A	DW	G			06/19/18	5:34		1			1						x			002
4	Girl's Toilet 6 - B	DW	G			06/19/18	5:35		1			1						x			
5		DW	G																		
6		DW	G																		
7		DW	G																		
8		DW	G																		
9		DW	G																		
10		DW	G																		
11		DW	G																		
12		DW	G																		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Run "A" samples first, only run "B" samples if "A" is higher than 15 ppb.		6/19/18	1440		6/19/18	1440	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Kevin Mandemaker

SIGNATURE of SAMPLER: _____ DATE Signed (MM/DD/YY): 6/19/18

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

WO#: 7055407

PM: JSA Due Date: 07/03/18

CLIENT: H2MPC

Client Name: H2M

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☒ None ☐ Other

Thermometer Used: TH091 Correction Factor: 0.0

Cooler Temperature (°C): Cooler Temperature Corrected (°C):

Temperature Blank Present: ☐ Yes ☒ No

Type of Ice: Wet Blue (None)

☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Date and Initials of person examining contents: 6/19/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orgnate from a foreign source (internation including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☒Yes	☐No		1.
Chain of Custody Filled Out:	☒Yes	☐No		2.
Chain of Custody Relinquished:	☒Yes	☐No		3.
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☒Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☒No		6.
Rush Turn Around Time Requested:	☐Yes	☒No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☒Yes	☐No		8.
Correct Containers Used:	☒Yes	☐No		9.
-Pace Containers Used:	☒Yes	☐No		
Containers Intact:	☒Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix: SL WT OIL				
All containers needing preservation have been checked	☒Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC739245				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☒Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐Yes	☐No	☒N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☒N/A	15.
Trip Blank Present:	☐Yes	☐No	☒N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☒N/A	
Pace Trip Blank Lot # (if applicable):				Field Data Required? Y / N

Client Notification/ Resolution: Date/Time:

Person Contacted:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

June 26, 2018

Tim Mcguire
H2M Architects and Engineers
538 Broad Hollow Road
Melville, NY 11747

RE: Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055409

Dear Tim Mcguire:
Enclosed are the analytical results for sample(s) received by the laboratory on June 19, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055409

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055409

Sample: SOUTH SNACK BAR - A **Lab ID: 7055409001** Collected: 06/19/18 05:03 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**42.3**	ug/L	1.0	1		06/25/18 20:27	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055409

Sample: MEN'S TOILET 11 - A **Lab ID: 7055409002** Collected: 06/19/18 05:09 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**9.5**	ug/L	1.0	1		06/25/18 20:30	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055409

Sample: MEN'S TOILET 12 - A **Lab ID: 7055409003** Collected: 06/19/18 05:11 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**8.2**	ug/L	1.0	1		06/25/18 20:33	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055409

Sample: WOMEN'S TOILET 19 - A **Lab ID: 7055409004** Collected: 06/19/18 05:16 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**3.6**	ug/L	1.0	1		06/25/18 20:36	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055409

Sample: WOMEN'S TOILET 20 - A **Lab ID: 7055409005** Collected: 06/19/18 05:18 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**8.1**	ug/L	1.0	1		06/25/18 20:39	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055409

QC Batch: 72795 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET No Prep Drinking Water
Associated Lab Samples: 7055409001, 7055409002, 7055409003, 7055409004, 7055409005

METHOD BLANK: 334142 Matrix: Water
Associated Lab Samples: 7055409001, 7055409002, 7055409003, 7055409004, 7055409005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/25/18 13:29	

LABORATORY CONTROL SAMPLE: 334143

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.7	99	85-115	

MATRIX SPIKE SAMPLE: 334146

Parameter	Units	7055413001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	6.1	2	8.1	100	70-130	

MATRIX SPIKE SAMPLE: 334148

Parameter	Units	7055413002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	2	2.7	112	70-130	

SAMPLE DUPLICATE: 334145

Parameter	Units	7055413001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	6.1	5.9	3	

SAMPLE DUPLICATE: 334147

Parameter	Units	7055413002 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055409

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055409

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7055409001	SOUTH SNACK BAR - A	EPA 200.8	72795		
7055409002	MEN'S TOILET 11 - A	EPA 200.8	72795		
7055409003	MEN'S TOILET 12 - A	EPA 200.8	72795		
7055409004	WOMEN'S TOILET 19 - A	EPA 200.8	72795		
7055409005	WOMEN'S TOILET 20 - A	EPA 200.8	72795		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

WO# : 7055409

7055409

Section A Required Client Information:

Company:	H2M architects + engineers
Address:	290 Broad Hollow Rd Suite 400E
	Melville, NY 11747
Email To:	Ebradshaw@h2m.com
Phone: 631-756-8000	Fax:
Requested Due Date/TAT:	5 Day

Section B Required Project Information:

Report To:	Ed Bradshaw, Derrick Luu
Copy To:	Patricia Dougherty, Pdougherty@H2M.com
	Dluu@h2m.com
Purchase Order No.:	
Project Name:	Walt Whitman High School
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NY

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	South Snack Bar - A	DW	G			06/19/18	5:03		1			1						x		001
2	South Snack Bar - B	DW	G			06/19/18	5:04		1			1						x		
3	Men's Toilet 11 - A	DW	G			06/19/18	5:09		1			1						x		002
4	Men's Toilet 11 - B	DW	G			06/19/18	5:10		1			1						x		
5	Men's Toilet 12 - A	DW	G			06/19/18	5:11		1			1						x		003
6	Men's Toilet 12 - B	DW	G			06/19/18	5:12		1			1						x		
7	Women's Toilet 19 - A	DW	G			06/19/18	5:16		1			1						x		004
8	Women's Toilet 19 - B	DW	G			06/19/18	5:17		1			1						x		
9	Women's Toilet 20 - A	DW	G			06/19/18	5:18		1			1						X		005
10	Women's Toilet 20 - B	DW	G			06/19/18	5:19		1			1						X		
11		DW	G																	
12		DW	G																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Run "A" samples first, only run "B" samples if "A" is higher than 15 ppb.		6/19/18	14:40		6/19/18	14:40	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Kevin Mandemaker

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 6/19/18

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical

Sample Condition Upon Receipt

Client Name: H2M.

WO#: 7055409

PM: JSA Due Date: 07/03/18

CLIENT: H2MPC

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No

Temperature Blank Present: ☐ Yes ☒ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☒ None ☐ Other

Type of Ice: Wet Blue (None)

Thermometer Used: TH091 Correction Factor: 0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): Cooler Temperature Corrected (°C): Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample) Date and Initials of person examining contents: 6/19/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples originate from a foreign source (international including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☒Yes	☐No		1.
Chain of Custody Filled Out:	☒Yes	☐No		2.
Chain of Custody Relinquished:	☒Yes	☐No		3.
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☒Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☒No		6.
Rush Turn Around Time Requested:	☐Yes	☒No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☒Yes	☐No		8.
Correct Containers Used:	☒Yes	☐No		9.
-Pace Containers Used:	☒Yes	☐No		
Containers Intact:	☒Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked	☒Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC739245				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☒Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐Yes	☐No	☒N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☒N/A	15.
Trip Blank Present:	☐Yes	☐No	☒N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☒N/A	
Pace Trip Blank Lot # (if applicable):				

Field Data Required? Y / N

Client Notification/ Resolution: Date/Time:

Person Contacted:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

July 03, 2018

Derrick Luu
H2M Architects and Engineers
538 Broad Hollow Road
Melville, NY 11747

RE: Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055410

Dear Derrick Luu:
Enclosed are the analytical results for sample(s) received by the laboratory on June 19, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055410

Long Island Certification IDs
575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055410

Sample: SOUTH SNACK BAR - B **Lab ID: 7055410001** Collected: 06/19/18 05:04 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**5.2**	ug/L	1.0	1		06/27/18 12:34	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055410

Sample: MEN'S TOILET 11 - B **Lab ID: 7055410002** Collected: 06/19/18 05:10 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**<1.0**	ug/L	1.0	1		06/27/18 12:37	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055410

Sample: MEN'S TOILET 12 - B **Lab ID: 7055410003** Collected: 06/19/18 05:12 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**<1.0**	ug/L	1.0	1		06/27/18 12:40	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055410

Sample: WOMEN'S TOILET 19 - B **Lab ID: 7055410004** Collected: 06/19/18 05:17 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**<1.0**	ug/L	1.0	1		06/27/18 16:50	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055410

Sample: WOMEN'S TOILET 20 - B **Lab ID: 7055410005** Collected: 06/19/18 05:19 Received: 06/19/18 14:40 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**1.8**	ug/L	1.0	1		06/27/18 16:53	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055410

QC Batch: 73116 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET No Prep Drinking Water
Associated Lab Samples: 7055410001, 7055410002, 7055410003, 7055410004, 7055410005

METHOD BLANK: 335544 Matrix: Water
Associated Lab Samples: 7055410001, 7055410002, 7055410003, 7055410004, 7055410005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/27/18 11:48	

LABORATORY CONTROL SAMPLE: 335545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.8	102	85-115	

MATRIX SPIKE SAMPLE: 335548

Parameter	Units	7055408001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	2	2.8	114	70-130	

MATRIX SPIKE SAMPLE: 335550

Parameter	Units	7055408002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	2	2.6	115	70-130	

SAMPLE DUPLICATE: 335547

Parameter	Units	7055408001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 335549

Parameter	Units	7055408002 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055410

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WALT WHITMAN HIGH SCHOOL
Pace Project No.: 7055410

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7055410001	SOUTH SNACK BAR - B	EPA 200.8	73116		
7055410002	MEN'S TOILET 11 - B	EPA 200.8	73116		
7055410003	MEN'S TOILET 12 - B	EPA 200.8	73116		
7055410004	WOMEN'S TOILET 19 - B	EPA 200.8	73116		
7055410005	WOMEN'S TOILET 20 - B	EPA 200.8	73116		

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CHAIN-OF-CUSTODY / Analytical Request Dr

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

WO#:7055410

7055410

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	H2M architects + engineers	Report To:	Ed Bradshaw, Derrick Luu	Attention:	
Address:	290 Broad Hollow Rd Suite 400E	Copy To:	Patricia Dougherty, Pdougherty@H2M.com	Company Name:	REGULATORY AGENCY
	Melville, NY 11747		Dluu@h2m.com	Address:	☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
Email To:	Ebradshaw@h2m.com	Purchase Order No.:		Pace Quote Reference:	☐ UST ☐ RCRA ☐ OTHER
Phone:	631-756-8000 Fax:	Project Name:	Walt Whitman High School	Pace Project Manager:	Site Location STATE: NY
Requested Due Date/TAT:	5 Day	Project Number:		Pace Profile #:	

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	South Snack Bar - A	DW	G			06/19/18	5:03		1			1							x		001
2	South Snack Bar - B	DW	G			06/19/18	5:04		1			1							x		002
3	Men's Toilet 11 - A	DW	G			06/19/18	5:09		1			1							x		003
4	Men's Toilet 11 - B	DW	G			06/19/18	5:10		1			1							x		004
5	Men's Toilet 12 - A	DW	G			06/19/18	5:11		1			1							x		005
6	Men's Toilet 12 - B	DW	G			06/19/18	5:12		1			1							x		
7	Women's Toilet 19 - A	DW	G			06/19/18	5:16		1			1							x		
8	Women's Toilet 19 - B	DW	G			06/19/18	5:17		1			1							x		
9	Women's Toilet 20 - A	DW	G			06/19/18	5:18		1			1							X		
10	Women's Toilet 20 - B	DW	G			06/19/18	5:19		1			1							X		
11		DW	G																		
12		DW	G																		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Run "A" samples first, only run "B" samples if "A" is higher than 15 ppb.		6/19/18	14:40		6/19/18	14:40	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Kevin Mandemaker

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 6/19/18

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical

Sample Condition Upon Receipt

WO#: 7055410

Client Name: H2M

PM: JSA Due Date: 07/03/18

CLIENT: H2MPC

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No

Temperature Blank Present: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Type of Ice: Wet Blue None

Thermometer Used: TH091 Correction Factor: 0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): Cooler Temperature Corrected (°C):

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Date and Initials of person examining contents: 6/19/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples originate from a foreign source (internationally including Hawaii and Puerto Rico)? ☐ Yes ☑ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix: SL WT OIL				
All containers needing preservation have been checked	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC739245				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	15.
Trip Blank Present:	☐Yes	☐No	☑N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Field Data Required? Y / N

Client Notification/ Resolution: Date/Time:

Person Contacted:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.