

October 17, 2016

Nancy Henner
Hannibal CSD
928 Cayuga St.
Hannibal, NY 13074

RE: Project: Han CSD - High School
Pace Project No.: 10365109

Dear Nancy Henner:

Enclosed are the analytical results for sample(s) received by the laboratory on October 06, 2016. 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.

Samples, in the electronic data deliverable (EDD) that accompanied this report, were flagged yellow if they exceeded the NYSDOH 15 ppb action level.

The space designated for the sampler on the chain of custody (COC) indicates if these samples were collected by Pace Analytical or were collected by the school district and just relinquished to Pace Analytical.

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

Sincerely,



Amanda Albrecht
amanda.albrecht@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Han CSD - High School

Pace Project No.: 10365109

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

Alaska Certification UST-107

525 N 8th Street, Salina, KS 67401

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Alabama Certification #40770

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida/NELAP Certification #: E87605

Guam Certification #:14-008r

Georgia Certification #: 959

Georgia EPD #: Pace

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Virginia/VELAP Certification #: Pace

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Han CSD - High School

Pace Project No.: 10365109

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|---------------------------------|--------|----------------|----------------|
| 10365109001 | Gym Hall/ Ladies Rm/ Left Sink | Water | 09/26/16 23:15 | 10/06/16 10:15 |
| 10365109002 | Gym Hall/ Ladies Rm/ Right Sink | Water | 09/26/16 23:15 | 10/06/16 10:15 |
| 10365109003 | Gym Hall/ Mens Rm/ Left Sink | Water | 09/26/16 23:16 | 10/06/16 10:15 |
| 10365109004 | Gym Hall/ Mens Rm/ Right Sink | Water | 09/26/16 23:16 | 10/06/16 10:15 |
| 10365109005 | Concession/Ice Machine | Water | 09/26/16 23:19 | 10/06/16 10:15 |
| 10365109006 | Concession/ Sink | Water | 09/26/16 23:21 | 10/06/16 10:15 |
| 10365109007 | Mens Locker Room/ Sink 1 | Water | 09/26/16 23:23 | 10/06/16 10:15 |
| 10365109008 | Mens Locker Room/ Sink 2 | Water | 09/26/16 23:23 | 10/06/16 10:15 |
| 10365109009 | Mens Coaches Bath | Water | 09/26/16 23:25 | 10/06/16 10:15 |
| 10365109010 | Boys/ Coaches Front Office | Water | 09/26/16 23:26 | 10/06/16 10:15 |
| 10365109011 | Girls/ Coaches Front Office | Water | 09/26/16 23:27 | 10/06/16 10:15 |
| 10365109012 | Girls Locker Room/ Left Sink | Water | 09/26/16 23:30 | 10/06/16 10:15 |
| 10365109013 | Girls Locker Room/ Right Sink | Water | 09/26/16 23:31 | 10/06/16 10:15 |
| 10365109014 | Dist. Office/ Unisex Bath | Water | 09/26/16 23:34 | 10/06/16 10:15 |
| 10365109015 | Dist. Office/ Mens Rm/ Sink 1 | Water | 09/26/16 23:34 | 10/06/16 10:15 |
| 10365109016 | Dist. Office/ Mens Rm/ Sink 2 | Water | 09/26/16 23:35 | 10/06/16 10:15 |
| 10365109017 | Dist. Office/ Mens Rm/ Sink 3 | Water | 09/26/16 23:35 | 10/06/16 10:15 |
| 10365109018 | Dist. Office/ Ladies Rm/ Sink1 | Water | 09/26/16 23:37 | 10/06/16 10:15 |
| 10365109019 | Dist. Office/ Ladies Rm/ Sink2 | Water | 09/26/16 23:37 | 10/06/16 10:15 |
| 10365109020 | Dist. Office/ Ladies Rm/ Sink3 | Water | 09/26/16 23:38 | 10/06/16 10:15 |
| 10365109021 | Main Office Sink | Water | 09/26/16 23:42 | 10/06/16 10:15 |
| 10365109022 | Main Office/ Boys Rm/ Left Sin | Water | 09/26/16 23:44 | 10/06/16 10:15 |
| 10365109023 | Main Office/ Boys Rm/ Right Si | Water | 09/26/16 23:45 | 10/06/16 10:15 |
| 10365109024 | Main Office/ Girls Rm/ Left Si | Water | 09/26/16 23:46 | 10/06/16 10:15 |
| 10365109025 | Main Office/ Girls Rm/ Right S | Water | 09/26/16 23:46 | 10/06/16 10:15 |
| 10365109026 | North End Down/Boys Room/Left | Water | 09/26/16 23:49 | 10/06/16 10:15 |
| 10365109027 | North End Down/Boys Room/Right | Water | 09/26/16 23:50 | 10/06/16 10:15 |
| 10365109028 | North End Down/Girls Room/Left | Water | 09/26/16 23:51 | 10/06/16 10:15 |
| 10365109029 | North End Down/Girls Room/Righ | Water | 09/26/16 23:52 | 10/06/16 10:15 |
| 10365109030 | North End Up/Girls Room/Sink1 | Water | 09/26/16 23:54 | 10/06/16 10:15 |
| 10365109031 | North End Up/Girls Room/Sink2 | Water | 09/26/16 23:54 | 10/06/16 10:15 |
| 10365109032 | North End Up/Girls Room/Sink3 | Water | 09/26/16 23:55 | 10/06/16 10:15 |
| 10365109033 | North End Up/Boys Room/Sink | Water | 09/26/16 23:56 | 10/06/16 10:15 |
| 10365109034 | Girls Room/Across from 214/Lef | Water | 09/26/16 23:58 | 10/06/16 10:15 |
| 10365109035 | Girls Room/Across from 214/Rig | Water | 09/26/16 23:59 | 10/06/16 10:15 |
| 10365109036 | Cafeteria Girls Room/ Left Sin | Water | 09/27/16 00:03 | 10/06/16 10:15 |
| 10365109037 | Cafeteria Girls Room/ Right Si | Water | 09/27/16 00:03 | 10/06/16 10:15 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Han CSD - High School

Pace Project No.: 10365109

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|--------------------------------|--------|----------------|----------------|
| 10365109038 | Cafeteria Boys Room/ Left Sink | Water | 09/27/16 00:05 | 10/06/16 10:15 |
| 10365109039 | Cafeteria Boys Room/ Right Sin | Water | 09/27/16 00:06 | 10/06/16 10:15 |
| 10365109040 | Auditorium/Girls Room Sink | Water | 09/27/16 00:07 | 10/06/16 10:15 |
| 10365109041 | Auditorium/Boys Room Sink | Water | 09/27/16 00:08 | 10/06/16 10:15 |

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SAMPLE ANALYTE COUNT

Project: Han CSD - High School

Pace Project No.: 10365109

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|--------------------------------|-----------|----------|-------------------|------------|
| 10365109001 | Gym Hall/ Ladies Rm/ Left Sink | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109002 | Gym Hall/ Ladies Rm/ Right Sin | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109003 | Gym Hall/ Mens Rm/ Left Sink | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109004 | Gym Hall/ Mens Rm/ Right Sink | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109005 | Concession/Ice Machine | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109006 | Concession/ Sink | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109007 | Mens Locker Room/ Sink 1 | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109008 | Mens Locker Room/ Sink 2 | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109009 | Mens Coaches Bath | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109010 | Boys/ Coaches Front Office | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109011 | Girls/ Coaches Front Office | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109012 | Girls Locker Room/ Left Sink | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109013 | Girls Locker Room/ Right Sink | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109014 | Dist. Office/ Unisex Bath | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109015 | Dist. Office/ Mens Rm/ Sink 1 | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109016 | Dist. Office/ Mens Rm/ Sink 2 | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109017 | Dist. Office/ Mens Rm/ Sink 3 | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109018 | Dist. Office/ Ladies Rm/ Sink1 | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109019 | Dist. Office/ Ladies Rm/ Sink2 | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109020 | Dist. Office/ Ladies Rm/ Sink3 | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109021 | Main Office Sink | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109022 | Main Office/ Boys Rm/ Left Sin | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109023 | Main Office/ Boys Rm/ Right Si | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109024 | Main Office/ Girls Rm/ Left Si | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109025 | Main Office/ Girls Rm/ Right S | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109026 | North End Down/Boys Room/Left | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109027 | North End Down/Boys Room/Right | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109028 | North End Down/Girls Room/Left | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109029 | North End Down/Girls Room/Righ | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109030 | North End Up/Girls Room/Sink1 | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109031 | North End Up/Girls Room/Sink2 | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109032 | North End Up/Girls Room/Sink3 | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109033 | North End Up/Boys Room/Sink | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109034 | Girls Room/Across from 214/Lef | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109035 | Girls Room/Across from 214/Rig | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109036 | Cafeteria Girls Room/ Left Sin | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109037 | Cafeteria Girls Room/ Right Si | EPA 200.8 | TT3 | 1 | PASI-M |

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SAMPLE ANALYTE COUNT

Project: Han CSD - High School

Pace Project No.: 10365109

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|--------------------------------|-----------|----------|-------------------|------------|
| 10365109038 | Cafeteria Boys Room/ Left Sink | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109039 | Cafeteria Boys Room/ Right Sin | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109040 | Auditorium/Girls Room Sink | EPA 200.8 | TT3 | 1 | PASI-M |
| 10365109041 | Auditorium/Boys Room Sink | EPA 200.8 | TT3 | 1 | PASI-M |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Han CSD - High School

Pace Project No.: 10365109

| Sample: | Lab ID: | Collected: | Received: | Matrix: | | | | |
|--|----------------------------|----------------|----------------|---------|----------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| Sample: Gym Hall/ Ladies Rm/ Left Sink | Lab ID: 10365109001 | 09/26/16 23:15 | 10/06/16 10:15 | Water | | | | |
| Analytical Method: EPA 200.8 | | | | | | | | |
| Lead | 7.6 | ug/L | 0.10 | 1 | | 10/12/16 00:40 | 7439-92-1 | |
| Sample: Gym Hall/ Ladies Rm/ Right Sink | Lab ID: 10365109002 | 09/26/16 23:15 | 10/06/16 10:15 | Water | | | | |
| Analytical Method: EPA 200.8 | | | | | | | | |
| Lead | 2.9 | ug/L | 0.10 | 1 | | 10/12/16 00:49 | 7439-92-1 | |
| Sample: Gym Hall/ Mens Rm/ Left Sink | Lab ID: 10365109003 | 09/26/16 23:16 | 10/06/16 10:15 | Water | | | | |
| Analytical Method: EPA 200.8 | | | | | | | | |
| Lead | 4.0 | ug/L | 0.10 | 1 | | 10/12/16 00:51 | 7439-92-1 | |
| Sample: Gym Hall/ Mens Rm/ Right Sink | Lab ID: 10365109004 | 09/26/16 23:16 | 10/06/16 10:15 | Water | | | | |
| Analytical Method: EPA 200.8 | | | | | | | | |
| Lead | 3.0 | ug/L | 0.10 | 1 | | 10/12/16 00:53 | 7439-92-1 | |
| Sample: Concession/Ice Machine | Lab ID: 10365109005 | 09/26/16 23:19 | 10/06/16 10:15 | Water | | | | |
| Analytical Method: EPA 200.8 | | | | | | | | |
| Lead | ND | ug/L | 0.10 | 1 | | 10/12/16 00:54 | 7439-92-1 | |
| Sample: Concession/ Sink | Lab ID: 10365109006 | 09/26/16 23:21 | 10/06/16 10:15 | Water | | | | |
| Analytical Method: EPA 200.8 | | | | | | | | |
| Lead | 2.3 | ug/L | 0.10 | 1 | | 10/12/16 00:56 | 7439-92-1 | |

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ANALYTICAL RESULTS

Project: Han CSD - High School

Pace Project No.: 10365109

| Sample: Mens Locker Room/ Sink 1 | | Lab ID: 10365109007 | Collected: 09/26/16 23:23 | Received: 10/06/16 10:15 | Matrix: Water | | | |
|--------------------------------------|-------------|------------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS, DW | | Analytical Method: EPA 200.8 | | | | | | |
| Lead | 0.62 | ug/L | 0.10 | 1 | | 10/12/16 00:57 | 7439-92-1 | |
| Sample: Mens Locker Room/ Sink 2 | | Lab ID: 10365109008 | Collected: 09/26/16 23:23 | Received: 10/06/16 10:15 | Matrix: Water | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS, DW | | Analytical Method: EPA 200.8 | | | | | | |
| Lead | 1.1 | ug/L | 0.10 | 1 | | 10/12/16 00:59 | 7439-92-1 | |
| Sample: Mens Coaches Bath | | Lab ID: 10365109009 | Collected: 09/26/16 23:25 | Received: 10/06/16 10:15 | Matrix: Water | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS, DW | | Analytical Method: EPA 200.8 | | | | | | |
| Lead | 1.7 | ug/L | 0.10 | 1 | | 10/12/16 01:00 | 7439-92-1 | |
| Sample: Boys/ Coaches Front Office | | Lab ID: 10365109010 | Collected: 09/26/16 23:26 | Received: 10/06/16 10:15 | Matrix: Water | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS, DW | | Analytical Method: EPA 200.8 | | | | | | |
| Lead | 18.6 | ug/L | 0.10 | 1 | | 10/12/16 01:05 | 7439-92-1 | |
| Sample: Girls/ Coaches Front Office | | Lab ID: 10365109011 | Collected: 09/26/16 23:27 | Received: 10/06/16 10:15 | Matrix: Water | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS, DW | | Analytical Method: EPA 200.8 | | | | | | |
| Lead | 6.7 | ug/L | 0.10 | 1 | | 10/12/16 01:06 | 7439-92-1 | |
| Sample: Girls Locker Room/ Left Sink | | Lab ID: 10365109012 | Collected: 09/26/16 23:30 | Received: 10/06/16 10:15 | Matrix: Water | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS, DW | | Analytical Method: EPA 200.8 | | | | | | |
| Lead | 1.4 | ug/L | 0.10 | 1 | | 10/12/16 01:09 | 7439-92-1 | |

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ANALYTICAL RESULTS

Project: Han CSD - High School
Pace Project No.: 10365109

| Sample: Girls Locker Room/ Right Sink | | Lab ID: 10365109013 | Collected: 09/26/16 23:31 | Received: 10/06/16 10:15 | Matrix: Water | | | |
|---|-------------|------------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS, DW | | Analytical Method: EPA 200.8 | | | | | | |
| Lead | 1.1 | ug/L | 0.10 | 1 | | 10/12/16 01:11 | 7439-92-1 | |
| Sample: Dist. Office/ Unisex Bath | | Lab ID: 10365109014 | Collected: 09/26/16 23:34 | Received: 10/06/16 10:15 | Matrix: Water | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS, DW | | Analytical Method: EPA 200.8 | | | | | | |
| Lead | 0.99 | ug/L | 0.10 | 1 | | 10/12/16 01:12 | 7439-92-1 | |
| Sample: Dist. Office/ Mens Rm/ Sink 1 | | Lab ID: 10365109015 | Collected: 09/26/16 23:34 | Received: 10/06/16 10:15 | Matrix: Water | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS, DW | | Analytical Method: EPA 200.8 | | | | | | |
| Lead | 2.2 | ug/L | 0.10 | 1 | | 10/12/16 01:14 | 7439-92-1 | |
| Sample: Dist. Office/ Mens Rm/ Sink 2 | | Lab ID: 10365109016 | Collected: 09/26/16 23:35 | Received: 10/06/16 10:15 | Matrix: Water | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS, DW | | Analytical Method: EPA 200.8 | | | | | | |
| Lead | 6.3 | ug/L | 0.10 | 1 | | 10/12/16 01:15 | 7439-92-1 | |
| Sample: Dist. Office/ Mens Rm/ Sink 3 | | Lab ID: 10365109017 | Collected: 09/26/16 23:35 | Received: 10/06/16 10:15 | Matrix: Water | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS, DW | | Analytical Method: EPA 200.8 | | | | | | |
| Lead | 16.8 | ug/L | 0.10 | 1 | | 10/12/16 01:17 | 7439-92-1 | |
| Sample: Dist. Office/ Ladies Rm/ Sink1 | | Lab ID: 10365109018 | Collected: 09/26/16 23:37 | Received: 10/06/16 10:15 | Matrix: Water | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS, DW | | Analytical Method: EPA 200.8 | | | | | | |
| Lead | 11.4 | ug/L | 0.10 | 1 | | 10/12/16 01:18 | 7439-92-1 | |

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ANALYTICAL RESULTS

Project: Han CSD - High School
Pace Project No.: 10365109

Sample: Dist. Office/ Ladies Rm/ Sink2 **Lab ID: 10365109019** Collected: 09/26/16 23:37 Received: 10/06/16 10:15 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|----|----------|----------------|-----------|------|
| 200.8 MET ICPMS, DW Analytical Method: EPA 200.8 | | | | | | | | |
| Lead | 8.2 | ug/L | 0.10 | 1 | | 10/12/16 01:23 | 7439-92-1 | |

Sample: Dist. Office/ Ladies Rm/ Sink3 **Lab ID: 10365109020** Collected: 09/26/16 23:38 Received: 10/06/16 10:15 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|----|----------|----------------|-----------|------|
| 200.8 MET ICPMS, DW Analytical Method: EPA 200.8 | | | | | | | | |
| Lead | 11.6 | ug/L | 0.10 | 1 | | 10/12/16 01:24 | 7439-92-1 | |

Sample: Main Office Sink **Lab ID: 10365109021** Collected: 09/26/16 23:42 Received: 10/06/16 10:15 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|----|----------|----------------|-----------|------|
| 200.8 MET ICPMS, DW Analytical Method: EPA 200.8 | | | | | | | | |
| Lead | 5.5 | ug/L | 0.10 | 1 | | 10/12/16 12:32 | 7439-92-1 | |

Sample: Main Office/ Boys Rm/ Left Si **Lab ID: 10365109022** Collected: 09/26/16 23:44 Received: 10/06/16 10:15 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|----|----------|----------------|-----------|------|
| 200.8 MET ICPMS, DW Analytical Method: EPA 200.8 | | | | | | | | |
| Lead | 1.4 | ug/L | 0.10 | 1 | | 10/12/16 12:39 | 7439-92-1 | |

Sample: Main Office/ Boys Rm/ Right Si **Lab ID: 10365109023** Collected: 09/26/16 23:45 Received: 10/06/16 10:15 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|----|----------|----------------|-----------|------|
| 200.8 MET ICPMS, DW Analytical Method: EPA 200.8 | | | | | | | | |
| Lead | 1.4 | ug/L | 0.10 | 1 | | 10/12/16 12:40 | 7439-92-1 | |

Sample: Main Office/ Girls Rm/ Left Si **Lab ID: 10365109024** Collected: 09/26/16 23:46 Received: 10/06/16 10:15 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|----|----------|----------------|-----------|------|
| 200.8 MET ICPMS, DW Analytical Method: EPA 200.8 | | | | | | | | |
| Lead | 1.3 | ug/L | 0.10 | 1 | | 10/12/16 12:42 | 7439-92-1 | |

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ANALYTICAL RESULTS

Project: Han CSD - High School

Pace Project No.: 10365109

Sample: Main Office/ Girls Rm/ Right S **Lab ID: 10365109025** Collected: 09/26/16 23:46 Received: 10/06/16 10:15 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|----|----------|----------------|-----------|------|
| 200.8 MET ICPMS, DW Analytical Method: EPA 200.8 | | | | | | | | |
| Lead | 1.3 | ug/L | 0.10 | 1 | | 10/12/16 12:43 | 7439-92-1 | |

Sample: North End Down/Boys Room/Left **Lab ID: 10365109026** Collected: 09/26/16 23:49 Received: 10/06/16 10:15 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|----|----------|----------------|-----------|------|
| 200.8 MET ICPMS, DW Analytical Method: EPA 200.8 | | | | | | | | |
| Lead | 20.3 | ug/L | 0.10 | 1 | | 10/12/16 12:48 | 7439-92-1 | |

Sample: North End Down/Boys Room/Right **Lab ID: 10365109027** Collected: 09/26/16 23:50 Received: 10/06/16 10:15 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|----|----------|----------------|-----------|------|
| 200.8 MET ICPMS, DW Analytical Method: EPA 200.8 | | | | | | | | |
| Lead | 16.0 | ug/L | 0.10 | 1 | | 10/12/16 12:49 | 7439-92-1 | |

Sample: North End Down/Girls Room/Left **Lab ID: 10365109028** Collected: 09/26/16 23:51 Received: 10/06/16 10:15 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|----|----------|----------------|-----------|------|
| 200.8 MET ICPMS, DW Analytical Method: EPA 200.8 | | | | | | | | |
| Lead | 6.0 | ug/L | 0.10 | 1 | | 10/12/16 12:51 | 7439-92-1 | |

Sample: North End Down/Girls Room/Right **Lab ID: 10365109029** Collected: 09/26/16 23:52 Received: 10/06/16 10:15 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|----|----------|----------------|-----------|------|
| 200.8 MET ICPMS, DW Analytical Method: EPA 200.8 | | | | | | | | |
| Lead | 3.7 | ug/L | 0.10 | 1 | | 10/12/16 12:52 | 7439-92-1 | |

Sample: North End Up/Girls Room/Sink1 **Lab ID: 10365109030** Collected: 09/26/16 23:54 Received: 10/06/16 10:15 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|----|----------|----------------|-----------|------|
| 200.8 MET ICPMS, DW Analytical Method: EPA 200.8 | | | | | | | | |
| Lead | 6.7 | ug/L | 0.10 | 1 | | 10/12/16 12:54 | 7439-92-1 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Han CSD - High School

Pace Project No.: 10365109

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|--------------|----|----------|----------|---------|------|
|------------|---------|-------|--------------|----|----------|----------|---------|------|

Sample: North End Up/Girls Room/Sink2 **Lab ID: 10365109031** Collected: 09/26/16 23:54 Received: 10/06/16 10:15 Matrix: Water

Analytical Method: EPA 200.8

Lead **6.5** ug/L 0.10 1 10/12/16 12:55 7439-92-1

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|--------------|----|----------|----------|---------|------|
|------------|---------|-------|--------------|----|----------|----------|---------|------|

Sample: North End Up/Girls Room/Sink3 **Lab ID: 10365109032** Collected: 09/26/16 23:55 Received: 10/06/16 10:15 Matrix: Water

Analytical Method: EPA 200.8

Lead **7.8** ug/L 0.10 1 10/12/16 12:58 7439-92-1

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|--------------|----|----------|----------|---------|------|
|------------|---------|-------|--------------|----|----------|----------|---------|------|

Sample: North End Up/Boys Room/Sink **Lab ID: 10365109033** Collected: 09/26/16 23:56 Received: 10/06/16 10:15 Matrix: Water

Analytical Method: EPA 200.8

Lead **6.8** ug/L 0.10 1 10/12/16 13:00 7439-92-1

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|--------------|----|----------|----------|---------|------|
|------------|---------|-------|--------------|----|----------|----------|---------|------|

Sample: Girls Room/Across from 214/Lef **Lab ID: 10365109034** Collected: 09/26/16 23:58 Received: 10/06/16 10:15 Matrix: Water

Analytical Method: EPA 200.8

Lead **30.3** ug/L 0.10 1 10/12/16 13:01 7439-92-1

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|--------------|----|----------|----------|---------|------|
|------------|---------|-------|--------------|----|----------|----------|---------|------|

Sample: Girls Room/Across from 214/Rig **Lab ID: 10365109035** Collected: 09/26/16 23:59 Received: 10/06/16 10:15 Matrix: Water

Analytical Method: EPA 200.8

Lead **15.9** ug/L 0.10 1 10/12/16 14:01 7439-92-1

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|--------------|----|----------|----------|---------|------|
|------------|---------|-------|--------------|----|----------|----------|---------|------|

Sample: Cafeteria Girls Room/ Left Sin **Lab ID: 10365109036** Collected: 09/27/16 00:03 Received: 10/06/16 10:15 Matrix: Water

Analytical Method: EPA 200.8

Lead **0.82** ug/L 0.10 1 10/12/16 14:02 7439-92-1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Han CSD - High School

Pace Project No.: 10365109

| Sample: Cafeteria Girls Room/ Right Si | | Lab ID: 10365109037 | Collected: 09/27/16 00:03 | Received: 10/06/16 10:15 | Matrix: Water | | | |
|--|---------|------------------------------|---------------------------|--------------------------|---------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS, DW | | Analytical Method: EPA 200.8 | | | | | | |
| Lead | 1.1 | ug/L | 0.10 | 1 | | 10/12/16 14:04 | 7439-92-1 | |
| Sample: Cafeteria Boys Room/ Left Sink | | Lab ID: 10365109038 | Collected: 09/27/16 00:05 | Received: 10/06/16 10:15 | Matrix: Water | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS, DW | | Analytical Method: EPA 200.8 | | | | | | |
| Lead | 0.62 | ug/L | 0.10 | 1 | | 10/12/16 14:05 | 7439-92-1 | |
| Sample: Cafeteria Boys Room/ Right Sin | | Lab ID: 10365109039 | Collected: 09/27/16 00:06 | Received: 10/06/16 10:15 | Matrix: Water | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS, DW | | Analytical Method: EPA 200.8 | | | | | | |
| Lead | 0.72 | ug/L | 0.10 | 1 | | 10/12/16 14:07 | 7439-92-1 | |
| Sample: Auditorium/Girls Room Sink | | Lab ID: 10365109040 | Collected: 09/27/16 00:07 | Received: 10/06/16 10:15 | Matrix: Water | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS, DW | | Analytical Method: EPA 200.8 | | | | | | |
| Lead | 1.8 | ug/L | 0.10 | 1 | | 10/12/16 14:08 | 7439-92-1 | |
| Sample: Auditorium/Boys Room Sink | | Lab ID: 10365109041 | Collected: 09/27/16 00:08 | Received: 10/06/16 10:15 | Matrix: Water | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS, DW | | Analytical Method: EPA 200.8 | | | | | | |
| Lead | 1.5 | ug/L | 0.10 | 1 | | 10/12/16 00:23 | 7439-92-1 | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Han CSD - High School

Pace Project No.: 10365109

QC Batch: 439853 Analysis Method: EPA 200.8
 QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, Drinking Water
 Associated Lab Samples: 10365109001, 10365109002, 10365109003, 10365109004, 10365109005, 10365109006, 10365109007, 10365109008, 10365109009, 10365109010, 10365109011, 10365109012, 10365109013, 10365109014, 10365109015, 10365109016, 10365109017, 10365109018, 10365109019, 10365109020

METHOD BLANK: 2391401 Matrix: Water
 Associated Lab Samples: 10365109001, 10365109002, 10365109003, 10365109004, 10365109005, 10365109006, 10365109007, 10365109008, 10365109009, 10365109010, 10365109011, 10365109012, 10365109013, 10365109014, 10365109015, 10365109016, 10365109017, 10365109018, 10365109019, 10365109020

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead | ug/L | ND | 0.10 | 10/12/16 00:38 | |

LABORATORY CONTROL SAMPLE: 2391402

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Lead | ug/L | 100 | 97.2 | 97 | 85-115 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2396237 2396238

| Parameter | Units | 10365109001 | | 2396238 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|-----------|-------|--------------------|----------------|-----------------|-----------|----------|-----------|--------------|--------|---------|------|------------|
| | | 10365109001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | | MSD Result |
| Lead | ug/L | 7.6 | 100 | 100 | 105 | 99.5 | 98 | 92 | 70-130 | 6 | 20 | |

MATRIX SPIKE SAMPLE: 2396239

| Parameter | Units | 10365109011 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| Lead | ug/L | 6.7 | 100 | 106 | 99 | 70-130 | |

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

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QUALITY CONTROL DATA

Project: Han CSD - High School
Pace Project No.: 10365109

QC Batch: 439855 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, Drinking Water
Associated Lab Samples: 10365109021, 10365109022, 10365109023, 10365109024, 10365109025, 10365109026, 10365109027, 10365109028, 10365109029, 10365109030, 10365109031, 10365109032, 10365109033, 10365109034, 10365109035, 10365109036, 10365109037, 10365109038, 10365109039, 10365109040

METHOD BLANK: 2391404 Matrix: Water
Associated Lab Samples: 10365109021, 10365109022, 10365109023, 10365109024, 10365109025, 10365109026, 10365109027, 10365109028, 10365109029, 10365109030, 10365109031, 10365109032, 10365109033, 10365109034, 10365109035, 10365109036, 10365109037, 10365109038, 10365109039, 10365109040

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead | ug/L | ND | 0.10 | 10/12/16 12:30 | |

LABORATORY CONTROL SAMPLE: 2391405

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Lead | ug/L | 100 | 102 | 102 | 85-115 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2396241 2396242

| Parameter | Units | 10365109021 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Lead | ug/L | 5.5 | 100 | 100 | 109 | 105 | 104 | 100 | 70-130 | 4 | 20 | |

MATRIX SPIKE SAMPLE: 2396243

| Parameter | Units | 10365109031 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| Lead | ug/L | 6.5 | 100 | 111 | 105 | 70-130 | |

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

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QUALITY CONTROL DATA

Project: Han CSD - High School

Pace Project No.: 10365109

QC Batch: 439863

Analysis Method: EPA 200.8

QC Batch Method: EPA 200.8

Analysis Description: ICPMS Metals, Drinking Water

Associated Lab Samples: 10365109041

METHOD BLANK: 2391433

Matrix: Water

Associated Lab Samples: 10365109041

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead | ug/L | ND | 0.10 | 10/12/16 00:20 | |

LABORATORY CONTROL SAMPLE: 2391434

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Lead | ug/L | 100 | 99.7 | 100 | 85-115 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2396234 2396235

| Parameter | Units | 10365109041 | | 2396234 | | 2396235 | | % Rec Limits | RPD | Max RPD | Qual | |
|-----------|-------|-------------|-----------------|-----------|-----------------|-----------|------------|--------------|-----|---------|------|----|
| | | MS Result | MSD Spike Conc. | MS Result | MSD Spike Conc. | MS Result | MSD Result | | | | | |
| Lead | ug/L | 1.5 | 100 | 100 | 100 | 96.1 | 96.2 | 95 | 95 | 70-130 | 0 | 20 |

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

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QUALIFIERS

Project: Han CSD - High School

Pace Project No.: 10365109

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.

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.

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.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Han CSD - High School

Pace Project No.: 10365109

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------------------------------|-----------------|----------|-------------------|------------------|
| 10365109001 | Gym Hall/ Ladies Rm/ Left Sink | EPA 200.8 | 439853 | | |
| 10365109002 | Gym Hall/ Ladies Rm/ Right Sin | EPA 200.8 | 439853 | | |
| 10365109003 | Gym Hall/ Mens Rm/ Left Sink | EPA 200.8 | 439853 | | |
| 10365109004 | Gym Hall/ Mens Rm/ Right Sink | EPA 200.8 | 439853 | | |
| 10365109005 | Concession/Ice Machine | EPA 200.8 | 439853 | | |
| 10365109006 | Concession/ Sink | EPA 200.8 | 439853 | | |
| 10365109007 | Mens Locker Room/ Sink 1 | EPA 200.8 | 439853 | | |
| 10365109008 | Mens Locker Room/ Sink 2 | EPA 200.8 | 439853 | | |
| 10365109009 | Mens Coaches Bath | EPA 200.8 | 439853 | | |
| 10365109010 | Boys/ Coaches Front Office | EPA 200.8 | 439853 | | |
| 10365109011 | Girls/ Coaches Front Office | EPA 200.8 | 439853 | | |
| 10365109012 | Girls Locker Room/ Left Sink | EPA 200.8 | 439853 | | |
| 10365109013 | Girls Locker Room/ Right Sink | EPA 200.8 | 439853 | | |
| 10365109014 | Dist. Office/ Unisex Bath | EPA 200.8 | 439853 | | |
| 10365109015 | Dist. Office/ Mens Rm/ Sink 1 | EPA 200.8 | 439853 | | |
| 10365109016 | Dist. Office/ Mens Rm/ Sink 2 | EPA 200.8 | 439853 | | |
| 10365109017 | Dist. Office/ Mens Rm/ Sink 3 | EPA 200.8 | 439853 | | |
| 10365109018 | Dist. Office/ Ladies Rm/ Sink1 | EPA 200.8 | 439853 | | |
| 10365109019 | Dist. Office/ Ladies Rm/ Sink2 | EPA 200.8 | 439853 | | |
| 10365109020 | Dist. Office/ Ladies Rm/ Sink3 | EPA 200.8 | 439853 | | |
| 10365109021 | Main Office Sink | EPA 200.8 | 439855 | | |
| 10365109022 | Main Office/ Boys Rm/ Left Sin | EPA 200.8 | 439855 | | |
| 10365109023 | Main Office/ Boys Rm/ Right Si | EPA 200.8 | 439855 | | |
| 10365109024 | Main Office/ Girls Rm/ Left Si | EPA 200.8 | 439855 | | |
| 10365109025 | Main Office/ Girls Rm/ Right S | EPA 200.8 | 439855 | | |
| 10365109026 | North End Down/Boys Room/Left | EPA 200.8 | 439855 | | |
| 10365109027 | North End Down/Boys Room/Right | EPA 200.8 | 439855 | | |
| 10365109028 | North End Down/Girls Room/Left | EPA 200.8 | 439855 | | |
| 10365109029 | North End Down/Girls Room/Righ | EPA 200.8 | 439855 | | |
| 10365109030 | North End Up/Girls Room/Sink1 | EPA 200.8 | 439855 | | |
| 10365109031 | North End Up/Girls Room/Sink2 | EPA 200.8 | 439855 | | |
| 10365109032 | North End Up/Girls Room/Sink3 | EPA 200.8 | 439855 | | |
| 10365109033 | North End Up/Boys Room/Sink | EPA 200.8 | 439855 | | |
| 10365109034 | Girls Room/Across from 214/Lef | EPA 200.8 | 439855 | | |
| 10365109035 | Girls Room/Across from 214/Rig | EPA 200.8 | 439855 | | |
| 10365109036 | Cafeteria Girls Room/ Left Sin | EPA 200.8 | 439855 | | |
| 10365109037 | Cafeteria Girls Room/ Right Si | EPA 200.8 | 439855 | | |
| 10365109038 | Cafeteria Boys Room/ Left Sink | EPA 200.8 | 439855 | | |
| 10365109039 | Cafeteria Boys Room/ Right Sin | EPA 200.8 | 439855 | | |
| 10365109040 | Auditorium/Girls Room Sink | EPA 200.8 | 439855 | | |
| 10365109041 | Auditorium/Boys Room Sink | EPA 200.8 | 439863 | | |

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

10365109

| | | | | | |
|--|--|---|--|--|--|
| Section A Requested Client Information: | | Section B Required Project Information: | | Section C Invoice Information: | |
| Company: Hannibal CSD | | Report To: | | Attention: | |
| Address: 928 Cayuga St Hannibal, NY 13074 | | Copy To: | | Company Name: | |
| Email To: dhennner@hannibalcsd.org | | Purchase Order No.: | | Address: | |
| Phone: | | Project Name: High School | | Pace Quote Reference: | |
| Requested Due Date/TAT: | | Project Number: | | Pace Project Manager: | |

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

SITE LOCATION

GA IL IN MI NC

OH SC WI OTHER_NY

| ITEM # | Section D Required Client Information | Valid Matrix Codes | MATRIX CODE | SAMPLE TYPE | G-RAB C-COMP | COLLECTED | | # OF CONTAINERS | PRESERVATIVES | Pace Project No. Lab ID |
|--------|--|--------------------|-------------|-------------|--------------|-----------------|--------------------|-----------------|--------------------------------|-------------------------|
| | | | | | | COMPOSITE START | COMPOSITE END/GRAB | | | |
| | | | | DATE | TIME | DATE | TIME | | | |
| 1 | CYN HALL/LADIES RM / LEFT SINK | | DW G | | | 9/16 | 23:15 | 1 | H ₂ SO ₄ | 001 |
| 2 | GYM HALL / LADIES RM / RIGHT SINK | | DW G | | | | 23:15 | 1 | H ₂ SO ₄ | 002 |
| 3 | GYM HALL / MENS RM / LEFT SINK | | DW G | | | | 23:16 | 1 | H ₂ SO ₄ | 003 |
| 4 | GYM HALL / MENS RM / RIGHT SINK | | DW G | | | | 23:16 | 1 | H ₂ SO ₄ | 004 |
| 5 | CONCESSION / ICE MACHINE | | DW G | | | | 23:19 | 1 | H ₂ SO ₄ | 005 |
| 6 | CONCESSION / SINK | | DW G | | | | 23:21 | 1 | H ₂ SO ₄ | 006 |
| 7 | MENS LOCKER ROOM / SINK 1 | | DW G | | | | 23:23 | 1 | H ₂ SO ₄ | 007 |
| 8 | MENS LOCKER ROOM / SINK 2 | | DW G | | | | 23:23 | 1 | H ₂ SO ₄ | 008 |
| 9 | MENS COACHES BATH | | DW G | | | | 23:27 | 1 | H ₂ SO ₄ | 009 |
| 10 | BOYS / COACHES FRONT OFFICE | | DW G | | | | 23:26 | 1 | H ₂ SO ₄ | 010 |
| 11 | GIRLS / COACHES FRONT OFFICE | | DW G | | | | 23:27 | 1 | H ₂ SO ₄ | 011 |
| 12 | GIRLS LOCKER ROOM / LEFT SINK | | DW G | | | | 23:30 | 1 | H ₂ SO ₄ | 012 |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---------------------|-------------------------------|---------|-------|---------------------------|---------|-------|---|
| | <i>Jammy McE</i> | 10/3/16 | 17:00 | <i>Bl McE</i> | 10/6/16 | 10:15 | Temp in °C Received on ice Custody Sealed Cooler Samples Intact |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: James Murphy - PACE Analytical

SIGNATURE of SAMPLER: *Jammy McE*

DATE Signed (MM/DD/YY): 9/26/16

CHAIN-OF-CUSTODY / Analytical Request Document



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

Page: 2 of 4

Section A

Section B

Section C

Requested Client Information:
 Company: Hannibal CSD
 Address: 928 Cayuga St
 Hannibal, NY 13074
 Email To: nhennner@hannibalcsd.org
 Phone: _____ Fax: _____

Required Project Information:
 Report To: _____
 Copy To: _____
 Purchase Order No.: _____
 Project Name: High School
 Project Number: _____

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
 GA IL IN MI NC
 OH SC WI OTHER_NY _____

| ITEM # | Section D Required Client Information | Valid Matrix Codes | MATRIX CODE | SAMPLE TYPE | COLLECTED | | # OF CONTAINERS | PRESERVATIVES | Filtered (Y/N) | Requested Ant | Pace Project No. Lab I.D. |
|--------|--|--------------------|-------------|-------------|-----------------|--------------------|-----------------|---------------|----------------|---------------|---------------------------|
| | | | | | COMPOSITE START | COMPOSITE END/GRAB | | | | | |
| | SAMPLE ID (A-Z, 0-9 / -) | | | | DATE | TIME | | | | | |
| 1 | GIRLS LOCKER ROOM / RIGHT SINK | DW | DW | G | 9/26 | 23:31 | 1 | Unpreserved | | X | 013 |
| 2 | DISP. OFFICE / WHISEX BATH | DW | DW | G | | 23:34 | 1 | | | | 014 |
| 3 | DISP. OFFICE / MENS RM / SINK 1 | DW | DW | G | | 23:34 | 1 | | | | 015 |
| 4 | DISP. OFFICE / MENS RM / SINK 2 | DW | DW | G | | 23:35 | 1 | | | | 016 |
| 5 | DISP. OFFICE / MENS RM / SINK 3 | DW | DW | G | | 23:37 | 1 | | | | 017 |
| 6 | DISP. OFFICE / LADIES RM / SINK 1 | DW | DW | G | | 23:37 | 1 | | | | 018 |
| 7 | DISP. OFFICE / LADIES RM / SINK 2 | DW | DW | G | | 23:38 | 1 | | | | 019 |
| 8 | DISP. OFFICE / LADIES RM / SINK 3 | DW | DW | G | | 23:42 | 1 | | | | 020 |
| 9 | MAIN OFFICE SINK | DW | DW | G | | 23:44 | 1 | | | | 021 |
| 10 | MAIN OFFICE / BOYS RM / LEFT SINK | DW | DW | G | | 23:45 | 1 | | | | 022 |
| 11 | MAIN OFFICE / BOYS RM / RIGHT SINK | DW | DW | G | | 23:46 | 1 | | | | 023 |
| 12 | MAIN OFFICE / GIRLS RM / LEFT SINK | DW | DW | G | | | 1 | | | | 024 |

| RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|-------------------------------|----------|-------|---------------------------|----------|-------|--|
| <i>James Murphy</i> | 10/16/16 | 17:20 | <i>James Murphy</i> | 10/16/16 | 18:15 | Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N |
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ADDITIONAL COMMENTS

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: James Murphy - PACE Analytical
 SIGNATURE of SAMPLER: *James Murphy*
 DATE Signed (MM/DD/YY): 9/26/16



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
 Required Client Information:
 Company: Hannibal CSD
 Address: 928 Cayuga St
 Hannibal, NY 13074
 Email To: rhenner@hannibalcsd.org
 Phone: _____ Fax: _____

Section B
 Required Project Information:
 Report To: _____
 Copy To: _____
 Purchase Order No.: _____
 Project Name: High 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 GA IL IN MI NC
LOCATION OH SC WI OTHER_NY _____

| ITEM # | Valid Matrix Codes MATRIX DRINKING WATER WATER WASTEWATER PRODUCT SOIL/SOLID OIL AIR OTHER TISSUE | SAMPLE ID (A-Z, 0-9 / .) | SAMPLE TYPE | COLLECTED | | # OF CONTAINERS | PRESERVATIVES | Requester | Pace Project No. Lab I.D. |
|--------|--|--|-------------|-----------------|--------------------|-----------------|---------------|-----------|---------------------------|
| | | | | COMPOSITE START | COMPOSITE END/GRAB | | | | |
| 1 | | MEDIA OFFICE/GIRLS ROOM/RIGHT SINK | DW | G | 9/26 | 23:46 | 1 | 1 | 025 |
| 2 | | NORTH END DORM/BOYS ROOM / LEFT SINK | DW | G | | 23:44 | 1 | | 026 |
| 3 | | NORTH END DORM/BOYS ROOM / RIGHT SINK | DW | G | | 23:40 | 1 | | 027 |
| 4 | | NORTH END DORM/GIRLS ROOM/LEFT SINK | DW | G | | 23:37 | 1 | | 628 |
| 5 | | NORTH END DORM/GIRLS ROOM / RIGHT SINK | DW | G | | 23:32 | 1 | | 029 |
| 6 | | NORTH END UP / SINK 1 | DW | G | | 23:34 | 1 | | 030 |
| 7 | | NORTH END UP / GIRLS ROOM / SINK 2 | DW | G | | 23:34 | 1 | | 031 |
| 8 | | NORTH END UP / GIRLS ROOM / SINK 3 | DW | G | | 23:35 | 1 | | 032 |
| 9 | | BOYS ROOM / SINK | DW | G | | 23:32 | 1 | | 033 |
| 10 | | GIRLS ROOM | DW | G | | 23:38 | 1 | | 034 |
| 11 | | CROSS ROOM 214 / LEFT SINK | DW | G | | 23:39 | 1 | | 035 |
| 12 | | CROSS ROOM 214 / RIGHT SINK | DW | G | 9/27 | 00:03 | 1 | | 036 |

| REMOVED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|--------------------------|---------|-------|---------------------------|---------|-------|--|
| <i>James P. Henner</i> | 9/26/16 | 17:00 | <i>El M. Fara</i> | 10/6/16 | 10:15 | Temp in °C Received on Ice Custody Sealed Cooler Samples Intact |
| | | | | | | Y/N Y/N Y/N Y/N Y/N Y/N |

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: James Murphy - PACE Analytical
 SIGNATURE of SAMPLER: *James Murphy*
 DATE Signed (MM / DD / YY): 9/26/16

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A

Required Client Information:

Company: **Hannibal CSD**

Address: **928 Cayuga St**

Hannibal, NY 13074

Email To:

plhenner@hannibalcso.org

Phone:

Fax:

Requested Due Date/TAT:

Section B

Required Project Information:

Report To:

Copy To:

Address:

Purchase Order No.:

Project Name: **High 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 GA IL IN MI NC
LOCATION OH SC WI OTHER NY

| # | ITEM | Valid Matrix Code MATRIX DRINKING WATER WASTE WATER SOLIDIFIED SL OIL WIRE MISC OTHER TISSUE | CODE DW WT WW SL OIL WIRE MISC OTHER TISSUE | COLLECTED | | # OF CONTAINERS | PRESERVATIVES | Requested Analyte | Filtered (Y/N) | Pace Project No. Lab I.D. |
|----|--------------------------------------|--|--|------------------------------|---------------------------------|--|---------------|-------------------|----------------|---------------------------|
| | | | | COMPOSITE START DATE TIME | COMPOSITE END/GRAB DATE TIME | | | | | |
| 1 | CAFETERIA CELLS ROOM / RIGHT SINK | | DW G | 9/27 00:03 | 1 | Unpreserved H2SO4 HNO3 HCl NaOH Na2S2O3 Methanol Na2SO4 | X | | 037 | |
| 2 | CAFETERIA TOYS ROOM / LEFT SINK | | DW G | 10:05 | 1 | | | | 038 | |
| 3 | CAFETERIA TOYS ROOM / RIGHT SINK | | DW G | 10:06 | 1 | | | | 039 | |
| 4 | AUDITORIUM CELLS ROOM SINK | | DW G | 10:07 | 1 | | | | 040 | |
| 5 | AUDITORIUM TOYS ROOM SINK | | DW G | 10:08 | 1 | | | | 041 | |
| 6 | | | DW G | | 1 | | | | | |
| 7 | | | DW G | | 1 | | | | | |
| 8 | | | DW G | | 1 | | | | | |
| 9 | | | DW G | | 1 | | | | | |
| 10 | | | DW G | | 1 | | | | | |
| 11 | | | DW G | | 1 | | | | | |
| 12 | | | DW G | | 1 | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---------------------|-------------------------------|----------|-------|---------------------------|---------|-------|---|
| | <i>J. Murphy</i> | 10/31/16 | 17:00 | <i>Pat McPhee</i> | 10/6/16 | 10:15 | Received on ice Y/N Custody Sealed Y/N Cooler Y/N Samples Intact Y/N |
| | | | | | | | Temp in °C |

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: James Murphy - PACE Analytical
 SIGNATURE of SAMPLER: *J. Murphy*

DATE Signed (MM/DD/YY): **9/27/16**

Sample Condition Upon Receipt

Client Name: NY Schools

Project #:



Courier: Fed Ex UPS USPS Client
 Commercial Pace SpeeDee Other: _____

Tracking Number: See exception

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No **Optional:** Proj. Due Date: _____ Proj. Name: _____

Packing Material: Bubble Wrap Bubble Bags None Other: _____ Temp Blank? Yes No

Thermometer Used: 151401163 151401164 B88A912167504 B88A0143310098 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temp Read (°C): _____ Cooler Temp Corrected (°C): See exception Biological Tissue Frozen? Yes No N/A
 Temp should be above freezing to 6°C Correction Factor: +0.2 Date and Initials of Person Examining Contents: Bm 10/6/16

USDA Regulated Soil (N/A, water sample)
 Did samples originate in a quarantine zone within the United States: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? 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-MN-Q-338) and include with SCUR/COC paperwork.

| | COMMENTS: |
|--|---|
| Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 2. |
| Chain of Custody Relinquished? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Sampler Name and/or Signature on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 5. |
| Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 6. |
| Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 7. |
| Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 8. |
| Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9. |
| -Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 10. |
| Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 11. Note if sediment is visible in the dissolved container |
| Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 12. |
| -Includes Date/Time/ID/Analysis Matrix: <u>W5</u> | |
| All containers needing acid/base preservation have been checked? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 13. <input checked="" type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl |
| All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl <2; NaOH >9 Sulfide, NaOH >12 Cyanide) Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Sample # <u>1/1</u> <u>01-41</u> |
| Headspace in VOA Vials (>6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Initial when completed: _____ Lot # of added preservative: _____ |
| Trip Blank Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 14. |
| Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 15. |
| Pace Trip Blank Lot # (if purchased): _____ | |

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____
 Comments/Resolution: _____

Project Manager Review:

Date: 10/07/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers).



Document Name:
Sample Condition Upon Receipt Form
 Document No.:
F-MN-L-213-rev.17

Document Revised: 02Aug2016
 Page 2 of 2
 Issuing Authority:
 Pace Minnesota Quality Office

SCUR Exceptions: *Tracking* *Temp °C* Workorder #:

| Issue | Sample ID | Container Type/# |
|----------------|-----------|------------------|
| 7774 0281 2710 | 18.2 | |
| 11 0214 3098 | 18.8 | |
| 11 11 2643 | 18.3 | |
| 11 11 2702 | 18.3 | |
| 11 11 2253 | 18.2 | |
| 11 11 2231 | 18.6 | |
| 11 11 2530 | 18.1 | |
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pH Adjustment Log for Preserved Samples

| Sample ID | Type of Preservative | pH Upon Receipt | Date Preservation Adjusted | Time Preservation Adjusted | Amount of Additional Preservative Added | Lot # of Preservative Added | pH After Adjustment | Initials |
|-----------|----------------------|-----------------|----------------------------|----------------------------|---|-----------------------------|---------------------|----------|
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