NORTHERN
Analytical Services, LLC.
ENVIRONMENTAL CONSULTANTS

November 14, 2017 Project No: 170253

Kerri Barret
West Michigan Academy of Environmental Science
4463 Leonard Street NW
Walker, Michigan 49534

Re: Water Testing
West Michigan Academy of Environmental Science

Dear Mrs. Paul:

Please find the enclosed laboratory results from water samples Northern Analytical Services, LLC. (NAS) collected at the site. Samples were collected to determine the levels of the lead and copper present in drinking water at each active drinking fountain and sink found in the building. Testing was performed as part of an annual inspection of your building.

Samples were collected on September 26th and 27th, 2017 by Juston Rehkopf, a State of Michigan accredited Lead Based Paint Inspector (P05558) of NAS. Samples were collected by filling a single 250 milliliter container, pre-treated by the laboratory with acid, at each faucet/drinking fountain and delivering them to the laboratory for analysis. Sample collection was conducted in the morning prior to the water being used by occupants as a "first draw" sample. NAS did not flush or otherwise run each faucet or fountain prior to sample collection; to our knowledge each faucet and fountain sat dormant for at least 6 hours prior to sample collection.

Once delivered to the laboratory (Pace Analytical), samples were analyzed for the presence of copper and lead in accordance with US EPA method 200.8. A copy of the laboratory report is attached.

According to the US EPA's Lead and Copper rule, which applies to schools and child care facilities that meet the definition of a public water system, the practical quantitation limit (PQL) for lead is 0.005 micrograms of lead per liter of water (mg/L) and 0.050 mg/L for copper. The PQL is the concentration of lead or copper that can be reliably measured within specified limits during routine laboratory operating conditions using approved methods. The action level is the concentration of lead or copper in potable water which determines whether a system may be required to install corrosion control treatment, collect water quality parameter samples, collect source water samples, replace lead service lines, and /or deliver public education about lead. The action level for lead is 0.015 mg/L and 1.3 mg/L for copper.

Essentially the PQL is the limit of detection and the Action Level is the level at which steps should be taken in order to minimize or eliminate exposure to lead or copper. Actions to be taken when the action level is exceeded include the following:

- Public education-provide information to building occupants about the water quality.
- Water quality parameter (WQP) monitoring-establish a routine monitoring program.
- Source water monitoring and source water treatment if necessary.
- Corrosion control treatment (CCT).

14870 225th Ave., Big Rapids, Michigan 49307
Phone : 231-268-0004 Fax : 866-214-4739 Web : www.northernas.com

Choice Schools Associates
West Michigan Academy of Enviornmental Sciences
Water Quality Testing
Project No. 170253
November 14, 2017

The following is a summary of our findings:

Sample ID	Location	Copper Concentration (mg/L)	Lead Concentration (mg/L)
WM-1	See Attached Drawing	0.081*	ND
WM-2	See Attached Drawing	0.026	ND
WM-3	See Attached Drawing	0.030	ND
WM-4	See Attached Drawing	0.23*	ND
WM-5	See Attached Drawing	0.093*	0.0016
WM-6	See Attached Drawing	0.19*	0.0022
WM-7	See Attached Drawing	0.15*	ND
WM-8	See Attached Drawing	0.44*	ND
WM-9	See Attached Drawing	0.40*	ND
WM-10	See Attached Drawing	0.18*	0.0016
WM-11	See Attached Drawing	0.12*	0.0014
WM-12	See Attached Drawing	0.037	ND
WM-13	See Attached Drawing	0.052*	ND
WM-14	See Attached Drawing	0.055*	ND
WM-15	See Attached Drawing	0.054*	0.0011
WM-16	See Attached Drawing	0.015	ND
WM-17	See Attached Drawing	0.014	ND
WM-18	See Attached Drawing	0.036	ND
WM-19	See Attached Drawing	0.059*	ND
WM-20	See Attached Drawing	0.067*	ND
WM-21	See Attached Drawing	0.039	ND
WM-22	See Attached Drawing	0.078*	ND
WM-23	See Attached Drawing	0.048	ND
WM-24	See Attached Drawing	0.063*	ND
WM-25	See Attached Drawing	0.050*	ND
WM-26	See Attached Drawing	0.38*	ND
WM-27	See Attached Drawing	1.2*	ND
WM-28	See Attached Drawing	0.40*	ND
WM-29	See Attached Drawing	0.30*	ND
WM-30	See Attached Drawing	0.33*	ND
WM-31	See Attached Drawing	0.44*	0.0077*
WM-32	See Attached Drawing	0.30*	0.0012
WM-33	See Attached Drawing	0.28*	ND
WM-34	See Attached Drawing	0.14*	ND
WM-35	See Attached Drawing	0.42*	ND
WM-36	See Attached Drawing	0.16*	ND

WM-37	See Attached Drawing	0.078*	ND
WM-38	See Attached Drawing	0.080*	ND
WM-39	See Attached Drawing	0.10*	ND
WM-40	See Attached Drawing	0.10*	ND
WM-41	See Attached Drawing	0.16*	ND
WM-42	See Attached Drawing	0.19*	ND
WM-43	See Attached Drawing	0.18*	ND
WM-44	See Attached Drawing	0.15*	ND
WM-45	See Attached Drawing	0.17*	ND
WM-46	See Attached Drawing	0.17*	ND
WM-47	See Attached Drawing	0.16*	ND
WM-48	See Attached Drawing	0.18*	ND
WM-49	See Attached Drawing	0.30*	ND
WM-50	See Attached Drawing	0.16*	ND
WM-51	See Attached Drawing	0.37*	ND
WM-52	See Attached Drawing	0.18*	ND
WM-53	See Attached Drawing	0.45*	ND
WM-54	See Attached Drawing	0.39*	ND
WM-55	See Attached Drawing	0.34*	ND
WM-56	See Attached Drawing	0.14*	ND
WM-57	See Attached Drawing	0.090*	ND
WM-58	See Attached Drawing	0.14*	ND
WM-59	See Attached Drawing	0.14*	ND
WM-60	See Attached Drawing	0.25*	ND
WM-61	See Attached Drawing	0.16*	ND
WM-62	See Attached Drawing	0.31*	0.0030
WM-63	See Attached Drawing	0.30*	ND
WM-64	See Attached Drawing	0.11*	ND
WM-65	See Attached Drawing	0.25*	ND
WM-66	See Attached Drawing	0.051*	ND
WM-67	See Attached Drawing	0.19*	ND
WM-68	See Attached Drawing	0.32*	ND
WM-69	See Attached Drawing	0.12*	ND
WM-70	See Attached Drawing	0.083*	ND
WM-71	See Attached Drawing	0.089*	ND
WM-72	See Attached Drawing	0.25*	ND
WM-73	See Attached Drawing	0.22*	ND
WM-74	See Attached Drawing	0.21*	ND
WM-75	See Attached Drawing	0.22*	ND
WM-76	See Attached Drawing	0.21*	ND

WM-77	See Attached Drawing	0.21*	ND
WM-78	See Attached Drawing	0.24*	ND
WM-79	See Attached Drawing	0.24*	ND
WM-80	See Attached Drawing	0.23*	ND
WM-81	See Attached Drawing	0.22*	ND
WM-82	See Attached Drawing	0.21*	ND
WM-83	See Attached Drawing	0.21*	ND
WM-84	See Attached Drawing	0.22*	ND
WM-85	See Attached Drawing	0.19*	ND
WM-86	See Attached Drawing	0.29*	ND
WM-87	See Attached Drawing	0.24*	ND
WM-88	See Attached Drawing	0.21*	ND

* exceeds the PQL for lead or copper.
**exceeds the action level for lead or copper.

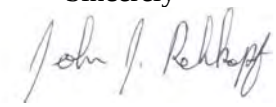
Of the 88 samples collected,80 exceeded the PQL for copper and one for lead. None of the samples exceeded the action level for lead or copper.

Based on these results, NAS recommends the following actions:

- Immediately post the public education poster found in appendix A of the attached Lead and Copper Rule near each faucet/fountain and distribute a copy of this information in pamphlet form to all building occupants.
- Immediately take the faucets/fountains described in sample WM-31 off line. Flush this unit (allow water to run for at least 5 minutes) and re-test no sooner than 8 hours after flushing.
- Test the water source to determine the level of lead and copper present. Please note the source is not likely to be an issue as many of the samples collected were below the PQL for lead and copper.
- Consider replacing this unit if the re-test results exceed the action level.
- Consider the installation of point source (faucet/drinking fountain) water filtration for lead.
- Consider the replacement of all water pipes and fixtures as a permanent solution.
- Re-test all fixtures at least annually, and following any major changes to the system.

NAS appreciates the opportunity to provide these services and looks forward to assisting you with any re-testing needed. Please do not hesitate to contact me with any questions.

Sincerely



John J. Rehkopf
President

Pace Analytical Services, LLC
5560 Corporate Exchange Ct. SE
Grand Rapids, MI 49512
(616)975-4500

October 12, 2017

John Rehkopf
Northern Analytical Services
14870 225th Avenue
Big Rapids, MI 49307

RE: Project: West MI Academy
Pace Project No.: 462920

Dear John Rehkopf:
Enclosed are the analytical results for sample(s) received by the laboratory on September 29, 2017. 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,

Gary Wood
gary.wood@pacelabs.com
(616)940-4206
Project Manager

Enclosures

Pace Analytical Services, LLC
5560 Corporate Exchange Ct. SE
Grand Rapids, MI 49512
(616)975-4500

CERTIFICATIONS

Project: West MI Academy
Pace Project No.: 462920

Grand Rapids Certification ID's

5560 Corporate Exchange Ct SE, Grand Rapids, MI 49512
ISO/IEC 17025:2005, Certificate #AT-1542.01
DoD-ELAP, Certificate #ADE-1542
Minnesota Department of Health, Certificate #1177224
Arkansas Department of Environmental Quality, Certificate #17-046-0
Georgia Environmental Protection Division, Stipulation
Illinois Environmental Protection Agency, Certificate #004097
Michigan Department of Environmental Quality, Laboratory #0034
New York State Department of Health, Serial #56192 and 56193
North Carolina Division of Water Resources, Certificate #659
Virginia Department of General Services, Certificate #9028
Wisconsin Department of Natural Resources, Laboratory #999472650
U.S. Department of Agriculture Permit to Receive Soil, Permit #P330-14-00305

Pace Analytical Services, LLC
5560 Corporate Exchange Ct. SE
Grand Rapids, MI 49512
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SAMPLE SUMMARY

Project: West MI Academy
Pace Project No.: 462920

Lab ID	Sample ID	Matrix	Date Collected	Date Received
462920001	**WM1**	Drinking Water	09/26/17 08:59	09/29/17 08:53
462920002	**WM2**	Drinking Water	09/26/17 09:01	09/29/17 08:53
462920003	**WM3**	Drinking Water	09/26/17 09:01	09/29/17 08:53
462920004	**WM4**	Drinking Water	09/26/17 09:07	09/29/17 08:53
462920005	**WM5**	Drinking Water	09/26/17 09:07	09/29/17 08:53
462920006	**WM6**	Drinking Water	09/26/17 09:07	09/29/17 08:53
462920007	**WM7**	Drinking Water	09/26/17 09:07	09/29/17 08:53
462920008	**WM8**	Drinking Water	09/26/17 09:07	09/29/17 08:53
462920009	**WM9**	Drinking Water	09/26/17 09:07	09/29/17 08:53
462920010	**WM10**	Drinking Water	09/26/17 09:07	09/29/17 08:53
462920011	**WM11**	Drinking Water	09/26/17 09:08	09/29/17 08:53
462920012	**WM12**	Drinking Water	09/26/17 09:09	09/29/17 08:53
462920013	**WM13**	Drinking Water	09/26/17 09:09	09/29/17 08:53
462920014	**WM14**	Drinking Water	09/26/17 09:11	09/29/17 08:53
462920015	**WM15**	Drinking Water	09/26/17 09:11	09/29/17 08:53
462920016	**WM16**	Drinking Water	09/26/17 09:13	09/29/17 08:53
462920017	**WM17**	Drinking Water	09/26/17 09:13	09/29/17 08:53
462920018	**WM18**	Drinking Water	09/26/17 09:17	09/29/17 08:53
462920019	**WM19**	Drinking Water	09/26/17 09:17	09/29/17 08:53
462920020	**WM20**	Drinking Water	09/26/17 09:17	09/29/17 08:53
462920021	**WM21**	Drinking Water	09/26/17 09:19	09/29/17 08:53
462920022	**WM22**	Drinking Water	09/26/17 09:19	09/29/17 08:53
462920023	**WM23**	Drinking Water	09/26/17 09:19	09/29/17 08:53
462920024	**WM24**	Drinking Water	09/26/17 09:21	09/29/17 08:53
462920025	**WM25**	Drinking Water	09/26/17 09:22	09/29/17 08:53
462920026	**WM26**	Drinking Water	09/26/17 09:23	09/29/17 08:53
462920027	**WM27**	Drinking Water	09/26/17 09:24	09/29/17 08:53
462920028	**WM28**	Drinking Water	09/26/17 09:37	09/29/17 08:53
462920029	**WM29**	Drinking Water	09/26/17 09:39	09/29/17 08:53
462920030	**WM30**	Drinking Water	09/26/17 09:39	09/29/17 08:53
462920031	**WM31**	Drinking Water	09/26/17 09:40	09/29/17 08:53
462920032	**WM32**	Drinking Water	09/26/17 09:40	09/29/17 08:53
462920033	**WM33**	Drinking Water	09/26/17 09:43	09/29/17 08:53
462920034	**WM34**	Drinking Water	09/26/17 09:44	09/29/17 08:53
462920035	**WM35**	Drinking Water	09/26/17 09:51	09/29/17 08:53
462920036	**WM36**	Drinking Water	09/26/17 09:51	09/29/17 08:53
462920037	**WM37**	Drinking Water	09/26/17 09:58	09/29/17 08:53

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(616)975-4500

SAMPLE SUMMARY

Project: West MI Academy
Pace Project No.: 462920

Lab ID	Sample ID	Matrix	Date Collected	Date Received
462920038	**WM38**	Drinking Water	09/26/17 09:58	09/29/17 08:53
462920039	**WM39**	Drinking Water	09/26/17 09:58	09/29/17 08:53
462920040	**WM40**	Drinking Water	09/26/17 09:58	09/29/17 08:53
462920041	**WM41**	Drinking Water	09/26/17 10:02	09/29/17 08:53
462920042	**WM42**	Drinking Water	09/26/17 10:02	09/29/17 08:53
462920043	**WM43**	Drinking Water	09/26/17 10:02	09/29/17 08:53
462920044	**WM44**	Drinking Water	09/26/17 10:02	09/29/17 08:53
462920045	**WM45**	Drinking Water	09/26/17 10:02	09/29/17 08:53
462920046	**WM46**	Drinking Water	09/26/17 10:04	09/29/17 08:53
462920047	**WM47**	Drinking Water	09/26/17 10:04	09/29/17 08:53
462920048	**WM48**	Drinking Water	09/26/17 10:04	09/29/17 08:53
462920049	**WM49**	Drinking Water	09/26/17 10:04	09/29/17 08:53
462920050	**WM50**	Drinking Water	09/26/17 10:04	09/29/17 08:53
462920051	**WM51**	Drinking Water	09/26/17 10:08	09/29/17 08:53
462920052	**WM52**	Drinking Water	09/26/17 10:08	09/29/17 08:53
462920053	**WM53**	Drinking Water	09/26/17 10:09	09/29/17 08:53
462920054	**WM54**	Drinking Water	09/26/17 10:09	09/29/17 08:53
462920055	**WM55**	Drinking Water	09/26/17 10:13	09/29/17 08:53
462920056	**WM56**	Drinking Water	09/26/17 10:13	09/29/17 08:53
462920057	**WM57**	Drinking Water	09/26/17 10:15	09/29/17 08:53
462920058	**WM58**	Drinking Water	09/26/17 10:15	09/29/17 08:53
462920059	**WM59**	Drinking Water	09/26/17 10:17	09/29/17 08:53
462920060	**WM60**	Drinking Water	09/26/17 10:17	09/29/17 08:53
462920061	**WM61**	Drinking Water	09/26/17 10:20	09/29/17 08:53
462920062	**WM62**	Drinking Water	09/26/17 10:20	09/29/17 08:53
462920063	**WM63**	Drinking Water	09/26/17 10:21	09/29/17 08:53
462920064	**WM64**	Drinking Water	09/26/17 10:21	09/29/17 08:53
462920065	**WM65**	Drinking Water	09/26/17 10:35	09/29/17 08:53
462920066	**WM66**	Drinking Water	09/26/17 10:35	09/29/17 08:53
462920067	**WM67**	Drinking Water	09/27/17 09:20	09/29/17 08:53
462920068	**WM68**	Drinking Water	09/27/17 09:21	09/29/17 08:53
462920069	**WM69**	Drinking Water	09/27/17 09:25	09/29/17 08:53
462920070	**WM70**	Drinking Water	09/27/17 09:25	09/29/17 08:53
462920071	**WM71**	Drinking Water	09/27/17 09:25	09/29/17 08:53
462920072	**WM72**	Drinking Water	09/27/17 09:27	09/29/17 08:53
462920073	**WM73**	Drinking Water	09/27/17 09:27	09/29/17 08:53
462920074	**WM74**	Drinking Water	09/27/17 09:27	09/29/17 08:53

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
5560 Corporate Exchange Ct. SE
Grand Rapids, MI 49512
(616)975-4500

SAMPLE SUMMARY

Project: West MI Academy
Pace Project No.: 462920

Lab ID	Sample ID	Matrix	Date Collected	Date Received
462920075	**WM75**	Drinking Water	09/27/17 09:27	09/29/17 08:53
462920076	**WM76**	Drinking Water	09/27/17 09:27	09/29/17 08:53
462920077	**WM77**	Drinking Water	09/27/17 09:27	09/29/17 08:53
462920078	**WM78**	Drinking Water	09/27/17 09:34	09/29/17 08:53
462920079	**WM79**	Drinking Water	09/27/17 09:34	09/29/17 08:53
462920080	**WM80**	Drinking Water	09/27/17 09:37	09/29/17 08:53
462920081	**WM81**	Drinking Water	09/27/17 09:37	09/29/17 08:53
462920082	**WM82**	Drinking Water	09/27/17 09:37	09/29/17 08:53
462920083	**WM83**	Drinking Water	09/27/17 09:37	09/29/17 08:53
462920084	**WM84**	Drinking Water	09/27/17 09:37	09/29/17 08:53
462920085	**WM85**	Drinking Water	09/27/17 09:37	09/29/17 08:53
462920086	**WM86**	Drinking Water	09/27/17 09:50	09/29/17 08:53
462920087	**WM87**	Drinking Water	09/27/17 09:39	09/29/17 08:53
462920088	**WM88**	Drinking Water	09/27/17 09:50	09/29/17 08:53

Pace Analytical Services, LLC
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(616)975-4500

SAMPLE ANALYTE COUNT

Project: West MI Academy
Pace Project No.: 462920

Lab ID	Sample ID	Method	Analysts	Analytes Reported
462920001	**WM1**	EPA 200.8	CKD	2
462920002	**WM2**	EPA 200.8	CKD	2
462920003	**WM3**	EPA 200.8	CKD	2
462920004	**WM4**	EPA 200.8	CKD	2
462920005	**WM5**	EPA 200.8	CKD	2
462920006	**WM6**	EPA 200.8	CKD	2
462920007	**WM7**	EPA 200.8	CKD	2
462920008	**WM8**	EPA 200.8	CKD	2
462920009	**WM9**	EPA 200.8	CKD	2
462920010	**WM10**	EPA 200.8	CKD	2
462920011	**WM11**	EPA 200.8	CKD	2
462920012	**WM12**	EPA 200.8	CKD	2
462920013	**WM13**	EPA 200.8	CKD	2
462920014	**WM14**	EPA 200.8	CKD	2
462920015	**WM15**	EPA 200.8	CKD	2
462920016	**WM16**	EPA 200.8	CKD	2
462920017	**WM17**	EPA 200.8	CKD	2
462920018	**WM18**	EPA 200.8	CKD	2
462920019	**WM19**	EPA 200.8	CKD	2
462920020	**WM20**	EPA 200.8	CKD	2
462920021	**WM21**	EPA 200.8	CKD	2
462920022	**WM22**	EPA 200.8	CKD	2
462920023	**WM23**	EPA 200.8	CKD	2
462920024	**WM24**	EPA 200.8	CKD	2
462920025	**WM25**	EPA 200.8	CKD	2
462920026	**WM26**	EPA 200.8	CKD	2
462920027	**WM27**	EPA 200.8	CKD	2
462920028	**WM28**	EPA 200.8	CKD	2
462920029	**WM29**	EPA 200.8	CKD	2
462920030	**WM30**	EPA 200.8	CKD	2
462920031	**WM31**	EPA 200.8	CKD	2
462920032	**WM32**	EPA 200.8	CKD	2
462920033	**WM33**	EPA 200.8	CKD	2
462920034	**WM34**	EPA 200.8	CKD	2
462920035	**WM35**	EPA 200.8	CKD	2
462920036	**WM36**	EPA 200.8	CKD	2
462920037	**WM37**	EPA 200.8	CKD	2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
5560 Corporate Exchange Ct. SE
Grand Rapids, MI 49512
(616)975-4500

SAMPLE ANALYTE COUNT

Project: West MI Academy
Pace Project No.: 462920

Lab ID	Sample ID	Method	Analysts	Analytes Reported
462920038	**WM38**	EPA 200.8	CKD	2
462920039	**WM39**	EPA 200.8	CKD	2
462920040	**WM40**	EPA 200.8	CKD	2
462920041	**WM41**	EPA 200.8	CKD	2
462920042	**WM42**	EPA 200.8	CKD	2
462920043	**WM43**	EPA 200.8	CKD	2
462920044	**WM44**	EPA 200.8	CKD	2
462920045	**WM45**	EPA 200.8	CKD	2
462920046	**WM46**	EPA 200.8	CKD	2
462920047	**WM47**	EPA 200.8	CKD	2
462920048	**WM48**	EPA 200.8	CKD	2
462920049	**WM49**	EPA 200.8	CKD	2
462920050	**WM50**	EPA 200.8	CKD	2
462920051	**WM51**	EPA 200.8	CKD	2
462920052	**WM52**	EPA 200.8	CKD	2
462920053	**WM53**	EPA 200.8	CKD	2
462920054	**WM54**	EPA 200.8	CKD	2
462920055	**WM55**	EPA 200.8	CKD	2
462920056	**WM56**	EPA 200.8	CKD	2
462920057	**WM57**	EPA 200.8	CKD	2
462920058	**WM58**	EPA 200.8	CKD	2
462920059	**WM59**	EPA 200.8	CKD	2
462920060	**WM60**	EPA 200.8	CKD	2
462920061	**WM61**	EPA 200.8	CKD	2
462920062	**WM62**	EPA 200.8	CKD	2
462920063	**WM63**	EPA 200.8	CKD	2
462920064	**WM64**	EPA 200.8	CKD	2
462920065	**WM65**	EPA 200.8	CKD	2
462920066	**WM66**	EPA 200.8	CKD	2
462920067	**WM67**	EPA 200.8	CKD	2
462920068	**WM68**	EPA 200.8	CKD	2
462920069	**WM69**	EPA 200.8	CKD	2
462920070	**WM70**	EPA 200.8	CKD	2
462920071	**WM71**	EPA 200.8	CKD	2
462920072	**WM72**	EPA 200.8	CKD	2
462920073	**WM73**	EPA 200.8	CKD	2
462920074	**WM74**	EPA 200.8	CKD	2

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: West MI Academy
Pace Project No.: 462920

Lab ID	Sample ID	Method	Analysts	Analytes Reported
462920075	**WM75**	EPA 200.8	CKD	2
462920076	**WM76**	EPA 200.8	CKD	2
462920077	**WM77**	EPA 200.8	CKD	2
462920078	**WM78**	EPA 200.8	CKD	2
462920079	**WM79**	EPA 200.8	CKD	2
462920080	**WM80**	EPA 200.8	CKD	2
462920081	**WM81**	EPA 200.8	CKD	2
462920082	**WM82**	EPA 200.8	CKD	2
462920083	**WM83**	EPA 200.8	CKD	2
462920084	**WM84**	EPA 200.8	CKD	2
462920085	**WM85**	EPA 200.8	CKD	2
462920086	**WM86**	EPA 200.8	CKD	2
462920087	**WM87**	EPA 200.8	CKD	2
462920088	**WM88**	EPA 200.8	CKD	2

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM1 **Lab ID: 462920001** Collected: 09/26/17 08:59 Received: 09/29/17 08:53 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							
Copper	**0.081**	mg/L	0.0010	1		10/05/17 12:37	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 12:37	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM2 **Lab ID: 462920002** Collected: 09/26/17 09:01 Received: 09/29/17 08:53 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							
Copper	**0.026**	mg/L	0.0010	1		10/05/17 12:42	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 12:42	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM3 **Lab ID: 462920003** Collected: 09/26/17 09:01 Received: 09/29/17 08:53 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							
Copper	**0.030**	mg/L	0.0010	1		10/05/17 12:50	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 12:50	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM4 **Lab ID: 462920004** Collected: 09/26/17 09:07 Received: 09/29/17 08:53 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							
Copper	**0.23**	mg/L	0.0050	5		10/06/17 12:55	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 12:51	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM5 **Lab ID: 462920005** Collected: 09/26/17 09:07 Received: 09/29/17 08:53 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							
Copper	**0.093**	mg/L	0.0010	1		10/05/17 12:53	7440-50-8	
Lead	**0.0016**	mg/L	0.0010	1		10/05/17 12:53	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM6 **Lab ID: 462920006** Collected: 09/26/17 09:07 Received: 09/29/17 08:53 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							
Copper	**0.19**	mg/L	0.0050	5		10/06/17 12:56	7440-50-8	
Lead	**0.0022**	mg/L	0.0010	1		10/05/17 12:54	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM7 **Lab ID: 462920007** Collected: 09/26/17 09:07 Received: 09/29/17 08:53 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							
Copper	**0.15**	mg/L	0.0050	5		10/06/17 12:58	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 12:55	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM8 **Lab ID: 462920008** Collected: 09/26/17 09:07 Received: 09/29/17 08:53 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							
Copper	**0.44**	mg/L	0.010	10		10/06/17 12:59	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 12:56	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM9 **Lab ID: 462920009** Collected: 09/26/17 09:07 Received: 09/29/17 08:53 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							
Copper	**0.40**	mg/L	0.010	10		10/06/17 13:00	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 12:58	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM10 **Lab ID: 462920010** Collected: 09/26/17 09:07 Received: 09/29/17 08:53 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							
Copper	**0.18**	mg/L	0.0050	5		10/06/17 13:01	7440-50-8	
Lead	**0.0016**	mg/L	0.0010	1		10/05/17 12:59	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM11 **Lab ID: 462920011** Collected: 09/26/17 09:08 Received: 09/29/17 08:53 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							
Copper	**0.12**	mg/L	0.0050	5		10/06/17 13:03	7440-50-8	
Lead	**0.0014**	mg/L	0.0010	1		10/05/17 13:00	7439-92-1	

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM12 **Lab ID: 462920012** Collected: 09/26/17 09:09 Received: 09/29/17 08:53 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							
Copper	**0.037**	mg/L	0.0010	1		10/05/17 13:02	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 13:02	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM13 **Lab ID: 462920013** Collected: 09/26/17 09:09 Received: 09/29/17 08:53 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							
Copper	**0.052**	mg/L	0.0010	1		10/05/17 13:06	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 13:06	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM14 **Lab ID: 462920014** Collected: 09/26/17 09:11 Received: 09/29/17 08:53 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							
Copper	**0.055**	mg/L	0.0010	1		10/05/17 13:07	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 13:07	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM15 **Lab ID: 462920015** Collected: 09/26/17 09:11 Received: 09/29/17 08:53 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							
Copper	**0.054**	mg/L	0.0010	1		10/05/17 13:09	7440-50-8	
Lead	**0.0011**	mg/L	0.0010	1		10/05/17 13:09	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM16 **Lab ID: 462920016** Collected: 09/26/17 09:13 Received: 09/29/17 08:53 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							
Copper	**0.015**	mg/L	0.0010	1		10/05/17 13:10	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 13:10	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM17 **Lab ID: 462920017** Collected: 09/26/17 09:13 Received: 09/29/17 08:53 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							
Copper	**0.014**	mg/L	0.0010	1		10/05/17 13:11	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 13:11	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM18 **Lab ID: 462920018** Collected: 09/26/17 09:17 Received: 09/29/17 08:53 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							
Copper	**0.036**	mg/L	0.0010	1		10/05/17 13:12	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 13:12	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM19 **Lab ID: 462920019** Collected: 09/26/17 09:17 Received: 09/29/17 08:53 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							
Copper	**0.059**	mg/L	0.0010	1		10/05/17 13:14	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 13:14	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM20 **Lab ID: 462920020** Collected: 09/26/17 09:17 Received: 09/29/17 08:53 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							
Copper	**0.067**	mg/L	0.0010	1		10/05/17 13:15	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 13:15	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM21 **Lab ID: 462920021** Collected: 09/26/17 09:19 Received: 09/29/17 08:53 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							
Copper	**0.039**	mg/L	0.0010	1		10/05/17 13:45	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 13:45	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM22 **Lab ID: 462920022** Collected: 09/26/17 09:19 Received: 09/29/17 08:53 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							
Copper	**0.078**	mg/L	0.0010	1		10/05/17 13:50	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 13:50	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM23 **Lab ID: 462920023** Collected: 09/26/17 09:19 Received: 09/29/17 08:53 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							
Copper	**0.048**	mg/L	0.0010	1		10/05/17 13:55	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 13:55	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM24 **Lab ID: 462920024** Collected: 09/26/17 09:21 Received: 09/29/17 08:53 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							
Copper	**0.063**	mg/L	0.0010	1		10/05/17 13:57	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 13:57	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM25 **Lab ID: 462920025** Collected: 09/26/17 09:22 Received: 09/29/17 08:53 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							
Copper	**0.050**	mg/L	0.0010	1		10/05/17 14:01	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:01	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM26 **Lab ID: 462920026** Collected: 09/26/17 09:23 Received: 09/29/17 08:53 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							
Copper	**0.38**	mg/L	0.0050	5		10/06/17 13:04	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:02	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM27 **Lab ID: 462920027** Collected: 09/26/17 09:24 Received: 09/29/17 08:53 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							
Copper	**1.2**	mg/L	0.020	20		10/06/17 13:05	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:03	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM28 **Lab ID: 462920028** Collected: 09/26/17 09:37 Received: 09/29/17 08:53 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							
Copper	**0.40**	mg/L	0.0050	5		10/06/17 13:06	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:04	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM29 **Lab ID: 462920029** Collected: 09/26/17 09:39 Received: 09/29/17 08:53 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							
Copper	**0.30**	mg/L	0.0050	5		10/06/17 13:10	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:06	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM30 **Lab ID: 462920030** Collected: 09/26/17 09:39 Received: 09/29/17 08:53 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							
Copper	**0.33**	mg/L	0.0050	5		10/06/17 13:12	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:07	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM31 **Lab ID: 462920031** Collected: 09/26/17 09:40 Received: 09/29/17 08:53 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							
Copper	**0.44**	mg/L	0.010	10		10/06/17 13:13	7440-50-8	
Lead	**0.0077**	mg/L	0.0010	1		10/05/17 14:08	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM32 **Lab ID: 462920032** Collected: 09/26/17 09:40 Received: 09/29/17 08:53 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							
Copper	**0.30**	mg/L	0.0050	5		10/06/17 13:14	7440-50-8	
Lead	**0.0012**	mg/L	0.0010	1		10/05/17 14:10	7439-92-1	

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM33 **Lab ID: 462920033** Collected: 09/26/17 09:43 Received: 09/29/17 08:53 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							
Copper	**0.28**	mg/L	0.0050	5		10/06/17 13:15	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:11	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
5560 Corporate Exchange Ct. SE
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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM34 **Lab ID: 462920034** Collected: 09/26/17 09:44 Received: 09/29/17 08:53 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							
Copper	**0.14**	mg/L	0.0050	5		10/06/17 13:17	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:12	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM35 **Lab ID: 462920035** Collected: 09/26/17 09:51 Received: 09/29/17 08:53 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							
Copper	**0.42**	mg/L	0.010	10		10/06/17 13:18	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:16	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM36 **Lab ID: 462920036** Collected: 09/26/17 09:51 Received: 09/29/17 08:53 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							
Copper	**0.16**	mg/L	0.0050	5		10/06/17 13:19	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:17	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM37 **Lab ID: 462920037** Collected: 09/26/17 09:58 Received: 09/29/17 08:53 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							
Copper	**0.078**	mg/L	0.0010	1		10/05/17 14:18	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:18	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM38 **Lab ID: 462920038** Collected: 09/26/17 09:58 Received: 09/29/17 08:53 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							
Copper	**0.080**	mg/L	0.0010	1		10/05/17 14:20	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:20	7439-92-1	

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM39 **Lab ID: 462920039** Collected: 09/26/17 09:58 Received: 09/29/17 08:53 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							
Copper	**0.10**	mg/L	0.0050	5		10/06/17 13:20	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:21	7439-92-1	

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM40 **Lab ID: 462920040** Collected: 09/26/17 09:58 Received: 09/29/17 08:53 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							
Copper	**0.10**	mg/L	0.0050	5		10/06/17 13:22	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:22	7439-92-1	

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM41 **Lab ID: 462920041** Collected: 09/26/17 10:02 Received: 09/29/17 08:53 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							
Copper	**0.16**	mg/L	0.0050	5		10/06/17 13:26	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:26	7439-92-1	

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM42 **Lab ID: 462920042** Collected: 09/26/17 10:02 Received: 09/29/17 08:53 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							
Copper	**0.19**	mg/L	0.0050	5		10/06/17 13:31	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:34	7439-92-1	R1

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM43 **Lab ID: 462920043** Collected: 09/26/17 10:02 Received: 09/29/17 08:53 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							
Copper	**0.18**	mg/L	0.0050	5		10/06/17 13:36	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:39	7439-92-1	

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM44 **Lab ID: 462920044** Collected: 09/26/17 10:02 Received: 09/29/17 08:53 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							
Copper	**0.15**	mg/L	0.0050	5		10/06/17 13:37	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:40	7439-92-1	

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM45 **Lab ID: 462920045** Collected: 09/26/17 10:02 Received: 09/29/17 08:53 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							
Copper	**0.17**	mg/L	0.0050	5		10/06/17 13:47	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:41	7439-92-1	

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM46 **Lab ID: 462920046** Collected: 09/26/17 10:04 Received: 09/29/17 08:53 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							
Copper	**0.17**	mg/L	0.0050	5		10/06/17 13:48	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:42	7439-92-1	

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM47 **Lab ID: 462920047** Collected: 09/26/17 10:04 Received: 09/29/17 08:53 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							
Copper	**0.16**	mg/L	0.0050	5		10/06/17 13:49	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:46	7439-92-1	

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM48 **Lab ID: 462920048** Collected: 09/26/17 10:04 Received: 09/29/17 08:53 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							
Copper	**0.18**	mg/L	0.0050	5		10/06/17 13:51	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:48	7439-92-1	

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM49 **Lab ID: 462920049** Collected: 09/26/17 10:04 Received: 09/29/17 08:53 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							
Copper	**0.30**	mg/L	0.0050	5		10/06/17 13:52	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:49	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM50 **Lab ID: 462920050** Collected: 09/26/17 10:04 Received: 09/29/17 08:53 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 ICPMS Metals, Total	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Copper	**0.16**	mg/L	0.0050	5	10/09/17 21:24	10/10/17 17:27	7440-50-8	
Lead	ND	mg/L	0.0010	1	10/09/17 21:24	10/10/17 16:22	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM51 **Lab ID: 462920051** Collected: 09/26/17 10:08 Received: 09/29/17 08:53 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							
Copper	**0.37**	mg/L	0.0050	5		10/06/17 13:53	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:50	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM52 **Lab ID: 462920052** Collected: 09/26/17 10:08 Received: 09/29/17 08:53 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							
Copper	**0.18**	mg/L	0.0050	5		10/06/17 13:54	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:51	7439-92-1	

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM53 **Lab ID: 462920053** Collected: 09/26/17 10:09 Received: 09/29/17 08:53 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							
Copper	**0.45**	mg/L	0.010	10		10/06/17 13:56	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:53	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM54 **Lab ID: 462920054** Collected: 09/26/17 10:09 Received: 09/29/17 08:53 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 ICPMS Metals, Total	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Copper	**0.39**	mg/L	0.0050	5	10/09/17 21:24	10/10/17 17:34	7440-50-8	
Lead	ND	mg/L	0.0010	1	10/09/17 21:24	10/10/17 16:31	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM55 **Lab ID: 462920055** Collected: 09/26/17 10:13 Received: 09/29/17 08:53 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							
Copper	**0.34**	mg/L	0.0050	5		10/06/17 13:57	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:54	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM56 **Lab ID: 462920056** Collected: 09/26/17 10:13 Received: 09/29/17 08:53 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							
Copper	**0.14**	mg/L	0.0050	5		10/06/17 13:58	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:55	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM57 **Lab ID: 462920057** Collected: 09/26/17 10:15 Received: 09/29/17 08:53 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							
Copper	**0.090**	mg/L	0.0010	1		10/05/17 14:56	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:56	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM58 **Lab ID: 462920058** Collected: 09/26/17 10:15 Received: 09/29/17 08:53 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							
Copper	**0.14**	mg/L	0.0050	5		10/06/17 14:02	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 14:57	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM59 **Lab ID: 462920059** Collected: 09/26/17 10:17 Received: 09/29/17 08:53 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							
Copper	**0.14**	mg/L	0.0050	5		10/06/17 14:03	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 15:01	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM60 **Lab ID: 462920060** Collected: 09/26/17 10:17 Received: 09/29/17 08:53 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							
Copper	**0.25**	mg/L	0.0050	5		10/06/17 14:04	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 15:03	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM61 **Lab ID: 462920061** Collected: 09/26/17 10:20 Received: 09/29/17 08:53 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							
Copper	**0.16**	mg/L	0.0050	5		10/06/17 14:06	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 15:06	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM62 **Lab ID: 462920062** Collected: 09/26/17 10:20 Received: 09/29/17 08:53 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							
Copper	**0.31**	mg/L	0.0050	5		10/06/17 14:11	7440-50-8	
Lead	**0.0030**	mg/L	0.0010	1		10/05/17 15:11	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM63 **Lab ID: 462920063** Collected: 09/26/17 10:21 Received: 09/29/17 08:53 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							
Copper	**0.30**	mg/L	0.0050	5		10/06/17 14:18	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 15:21	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM64 **Lab ID: 462920064** Collected: 09/26/17 10:21 Received: 09/29/17 08:53 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							
Copper	**0.11**	mg/L	0.0050	5		10/06/17 14:20	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 15:22	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM65 **Lab ID: 462920065** Collected: 09/26/17 10:35 Received: 09/29/17 08:53 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							
Copper	**0.25**	mg/L	0.0050	5		10/06/17 14:21	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 15:24	7439-92-1	

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM66 **Lab ID: 462920066** Collected: 09/26/17 10:35 Received: 09/29/17 08:53 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							
Copper	**0.051**	mg/L	0.0010	1		10/05/17 15:25	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 15:25	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM67 **Lab ID: 462920067** Collected: 09/27/17 09:20 Received: 09/29/17 08:53 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							
Copper	**0.19**	mg/L	0.0050	5		10/06/17 14:22	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 15:26	7439-92-1	

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM68 **Lab ID: 462920068** Collected: 09/27/17 09:21 Received: 09/29/17 08:53 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							
Copper	**0.32**	mg/L	0.0050	5		10/06/17 14:23	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 15:27	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM69 **Lab ID: 462920069** Collected: 09/27/17 09:25 Received: 09/29/17 08:53 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 ICPMS Metals, Total	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Copper	**0.12**	mg/L	0.0050	5	10/09/17 21:24	10/10/17 17:35	7440-50-8	
Lead	ND	mg/L	0.0010	1	10/09/17 21:24	10/10/17 16:32	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM70 **Lab ID: 462920070** Collected: 09/27/17 09:25 Received: 09/29/17 08:53 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 ICPMS Metals, Total	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Copper	**0.083**	mg/L	0.0010	1	10/09/17 21:24	10/10/17 16:34	7440-50-8	
Lead	ND	mg/L	0.0010	1	10/09/17 21:24	10/10/17 16:34	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM71 **Lab ID: 462920071** Collected: 09/27/17 09:25 Received: 09/29/17 08:53 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							
Copper	**0.089**	mg/L	0.0010	1		10/05/17 15:29	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 15:29	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM72 **Lab ID: 462920072** Collected: 09/27/17 09:27 Received: 09/29/17 08:53 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							
Copper	**0.25**	mg/L	0.0050	5		10/06/17 14:25	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 15:30	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM73 **Lab ID: 462920073** Collected: 09/27/17 09:27 Received: 09/29/17 08:53 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							
Copper	**0.22**	mg/L	0.0050	5		10/06/17 14:26	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 15:34	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM74 **Lab ID: 462920074** Collected: 09/27/17 09:27 Received: 09/29/17 08:53 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							
Copper	**0.21**	mg/L	0.0050	5		10/06/17 14:27	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 15:35	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM75 **Lab ID: 462920075** Collected: 09/27/17 09:27 Received: 09/29/17 08:53 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							
Copper	**0.22**	mg/L	0.0050	5		10/06/17 14:28	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 15:36	7439-92-1	

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM76 **Lab ID: 462920076** Collected: 09/27/17 09:27 Received: 09/29/17 08:53 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 ICPMS Metals, Total	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Copper	**0.21**	mg/L	0.0050	5	10/09/17 21:24	10/10/17 17:36	7440-50-8	
Lead	ND	mg/L	0.0010	1	10/09/17 21:24	10/10/17 16:35	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM77 **Lab ID: 462920077** Collected: 09/27/17 09:27 Received: 09/29/17 08:53 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							
Copper	**0.21**	mg/L	0.0050	5		10/06/17 14:32	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 15:37	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM78 **Lab ID: 462920078** Collected: 09/27/17 09:34 Received: 09/29/17 08:53 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 ICPMS Metals, Total	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Copper	**0.24**	mg/L	0.0050	5	10/09/17 21:24	10/10/17 17:38	7440-50-8	
Lead	ND	mg/L	0.0010	1	10/09/17 21:24	10/10/17 16:36	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM79 **Lab ID: 462920079** Collected: 09/27/17 09:34 Received: 09/29/17 08:53 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 ICPMS Metals, Total	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Copper	**0.24**	mg/L	0.0050	5	10/09/17 21:24	10/10/17 17:39	7440-50-8	
Lead	ND	mg/L	0.0010	1	10/09/17 21:24	10/10/17 16:38	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM80 **Lab ID: 462920080** Collected: 09/27/17 09:37 Received: 09/29/17 08:53 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							
Copper	**0.23**	mg/L	0.0050	5		10/06/17 14:33	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 15:39	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM81 **Lab ID: 462920081** Collected: 09/27/17 09:37 Received: 09/29/17 08:53 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							
Copper	**0.22**	mg/L	0.0050	5		10/06/17 14:42	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 16:20	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM82 **Lab ID: 462920082** Collected: 09/27/17 09:37 Received: 09/29/17 08:53 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							
Copper	**0.21**	mg/L	0.0050	5		10/06/17 14:50	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 16:25	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM83 **Lab ID: 462920083** Collected: 09/27/17 09:37 Received: 09/29/17 08:53 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							
Copper	**0.21**	mg/L	0.0050	5		10/06/17 14:55	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 16:30	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM84 **Lab ID: 462920084** Collected: 09/27/17 09:37 Received: 09/29/17 08:53 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							
Copper	**0.22**	mg/L	0.0050	5		10/06/17 14:56	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 16:34	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM85 **Lab ID: 462920085** Collected: 09/27/17 09:37 Received: 09/29/17 08:53 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 ICPMS Metals, Total	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Copper	**0.19**	mg/L	0.0050	5	10/09/17 21:24	10/10/17 17:43	7440-50-8	
Lead	ND	mg/L	0.0010	1	10/09/17 21:24	10/10/17 16:39	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM86 **Lab ID: 462920086** Collected: 09/27/17 09:50 Received: 09/29/17 08:53 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 ICPMS Metals, Total	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Copper	**0.29**	mg/L	0.0050	5	10/09/17 21:24	10/10/17 17:44	7440-50-8	
Lead	ND	mg/L	0.0010	1	10/09/17 21:24	10/10/17 16:43	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM87 **Lab ID: 462920087** Collected: 09/27/17 09:39 Received: 09/29/17 08:53 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							
Copper	**0.24**	mg/L	0.0050	5		10/06/17 14:57	7440-50-8	
Lead	ND	mg/L	0.0010	1		10/05/17 16:36	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: West MI Academy
Pace Project No.: 462920

Sample: WM88 **Lab ID: 462920088** Collected: 09/27/17 09:50 Received: 09/29/17 08:53 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 ICPMS Metals, Total	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Copper	**0.21**	mg/L	0.0050	5	10/09/17 21:24	10/10/17 17:46	7440-50-8	
Lead	ND	mg/L	0.0010	1	10/09/17 21:24	10/10/17 16:44	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: West MI Academy
Pace Project No.: 462920

QC Batch: 6193 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, No Prep
Associated Lab Samples: 462920001, 462920002, 462920003, 462920004, 462920005, 462920006, 462920007, 462920008, 462920009, 462920010, 462920011, 462920012, 462920013, 462920014, 462920015, 462920016, 462920017, 462920018, 462920019, 462920020

METHOD BLANK: 25419 Matrix: Water
Associated Lab Samples: 462920001, 462920002, 462920003, 462920004, 462920005, 462920006, 462920007, 462920008, 462920009, 462920010, 462920011, 462920012, 462920013, 462920014, 462920015, 462920016, 462920017, 462920018, 462920019, 462920020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	mg/L	ND	0.0010	10/05/17 12:35	
Lead	mg/L	ND	0.0010	10/05/17 12:35	

LABORATORY CONTROL SAMPLE: 25420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	mg/L	.02	0.020	100	85-115	
Lead	mg/L	.02	0.019	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 25421 25422

Parameter	Units	462920001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	mg/L	0.081	.02	.02	0.099	0.10	92	95	70-130	1	20	
Lead	mg/L	ND	.02	.02	0.022	0.023	111	113	70-130	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 25424 25425

Parameter	Units	462920002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	mg/L	0.026	.02	.02	0.048	0.046	105	97	70-130	4	20	
Lead	mg/L	ND	.02	.02	0.023	0.022	115	111	70-130	4	20	

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QUALITY CONTROL DATA

Project: West MI Academy
Pace Project No.: 462920

QC Batch: 6194 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, No Prep
Associated Lab Samples: 462920021, 462920022, 462920023, 462920024, 462920025, 462920026, 462920027, 462920028, 462920029, 462920030, 462920031, 462920032, 462920033, 462920034, 462920035, 462920036, 462920037, 462920038, 462920039, 462920040

METHOD BLANK: 25427 Matrix: Water
Associated Lab Samples: 462920021, 462920022, 462920023, 462920024, 462920025, 462920026, 462920027, 462920028, 462920029, 462920030, 462920031, 462920032, 462920033, 462920034, 462920035, 462920036, 462920037, 462920038, 462920039, 462920040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	mg/L	ND	0.0010	10/05/17 13:16	
Lead	mg/L	ND	0.0010	10/05/17 13:16	

LABORATORY CONTROL SAMPLE: 25428

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	mg/L	.02	0.020	101	85-115	
Lead	mg/L	.02	0.019	95	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 25429 25430

Parameter	Units	462920021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	mg/L	0.039	.02	.02	0.057	0.059	91	100	70-130	3	20	
Lead	mg/L	ND	.02	.02	0.023	0.022	112	109	70-130	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 25432 25433

Parameter	Units	462920022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	mg/L	0.078	.02	.02	0.097	0.097	93	97	70-130	1	20	
Lead	mg/L	ND	.02	.02	0.023	0.023	114	113	70-130	1	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.

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QUALITY CONTROL DATA

Project: West MI Academy
Pace Project No.: 462920

QC Batch: 6195 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, No Prep
Associated Lab Samples: 462920041, 462920042, 462920043, 462920044, 462920045, 462920046, 462920047, 462920048, 462920049, 462920051, 462920052, 462920053, 462920055, 462920056, 462920057, 462920058, 462920059, 462920060

METHOD BLANK: 25435 Matrix: Water
Associated Lab Samples: 462920041, 462920042, 462920043, 462920044, 462920045, 462920046, 462920047, 462920048, 462920049, 462920051, 462920052, 462920053, 462920055, 462920056, 462920057, 462920058, 462920059, 462920060

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	mg/L	ND	0.0010	10/05/17 14:24	
Lead	mg/L	ND	0.0010	10/05/17 14:24	

LABORATORY CONTROL SAMPLE: 25436

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	mg/L	.02	0.020	99	85-115	
Lead	mg/L	.02	0.020	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 25437 25438

Parameter	Units	462920041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	mg/L	0.16	.1	.1	0.25	0.26	94	108	70-130	5	20	
Lead	mg/L	ND	.02	.02	0.023	0.024	114	120	70-130	5	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 25440 25441

Parameter	Units	462920042 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	mg/L	0.19	.1	.1	0.28	0.29	91	99	70-130	3	20	
Lead	mg/L	ND	.02	.02	0.023	0.023	115	111	70-130	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: West MI Academy
Pace Project No.: 462920

QC Batch: 6196 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, No Prep
Associated Lab Samples: 462920061, 462920062, 462920063, 462920064, 462920065, 462920066, 462920067, 462920068, 462920071, 462920072, 462920073, 462920074, 462920075, 462920077, 462920080

METHOD BLANK: 25443 Matrix: Water
Associated Lab Samples: 462920061, 462920062, 462920063, 462920064, 462920065, 462920066, 462920067, 462920068, 462920071, 462920072, 462920073, 462920074, 462920075, 462920077, 462920080

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	mg/L	ND	0.0010	10/05/17 15:04	
Lead	mg/L	ND	0.0010	10/05/17 15:04	

LABORATORY CONTROL SAMPLE: 25444

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	mg/L	.02	0.020	98	85-115	
Lead	mg/L	.02	0.019	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 25445 25446

Parameter	Units	462920061 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	mg/L	0.16	.1	.1	0.25	0.25	88	85	70-130	1	20	
Lead	mg/L	ND	.02	.02	0.022	0.021	108	106	70-130	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 25448 25449

Parameter	Units	462920062 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	mg/L	0.31	.1	.1	0.41	0.40	91	83	70-130	2	20	
Lead	mg/L	0.0030	.02	.02	0.026	0.027	115	120	70-130	4	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

Pace Analytical Services, LLC
5560 Corporate Exchange Ct. SE
Grand Rapids, MI 49512
(616)975-4500

QUALITY CONTROL DATA

Project: West MI Academy
Pace Project No.: 462920

QC Batch: 6213 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, No Prep
Associated Lab Samples: 462920081, 462920082, 462920083, 462920084, 462920087

METHOD BLANK: 25565 Matrix: Water
Associated Lab Samples: 462920081, 462920082, 462920083, 462920084, 462920087

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	mg/L	ND	0.0010	10/05/17 16:15	
Lead	mg/L	ND	0.0010	10/05/17 16:15	

LABORATORY CONTROL SAMPLE: 25566

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	mg/L	.02	0.020	99	85-115	
Lead	mg/L	.02	0.019	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 25567 25568

Parameter	Units	462920081 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	mg/L	0.22	.1	.1	0.31	0.31	90	93	70-130	1	20	
Lead	mg/L	ND	.02	.02	0.024	0.024	118	118	70-130	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 25570 25571

Parameter	Units	462920082 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	mg/L	0.21	.1	.1	0.29	0.31	80	102	70-130	8	20	
Lead	mg/L	ND	.02	.02	0.024	0.024	119	118	70-130	1	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

Pace Analytical Services, LLC
5560 Corporate Exchange Ct. SE
Grand Rapids, MI 49512
(616)975-4500

QUALITY CONTROL DATA

Project: West MI Academy
Pace Project No.: 462920

QC Batch: 6389 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET
Associated Lab Samples: 462920050, 462920054, 462920069, 462920070, 462920076, 462920078, 462920079, 462920085, 462920086, 462920088

METHOD BLANK: 26230 Matrix: Water
Associated Lab Samples: 462920050, 462920054, 462920069, 462920070, 462920076, 462920078, 462920079, 462920085, 462920086, 462920088

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	mg/L	ND	0.0010	10/10/17 16:19	
Lead	mg/L	ND	0.0010	10/10/17 16:19	

LABORATORY CONTROL SAMPLE: 26231

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	mg/L	.05	0.053	105	85-115	
Lead	mg/L	.05	0.049	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 26232 26233

Parameter	Units	462920050 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	mg/L	0.16	.05	.05	0.21	0.21	98	97	70-130	0	20	
Lead	mg/L	ND	.05	.05	0.050	0.050	99	98	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 26234 26235

Parameter	Units	462924003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	mg/L	0.0047	.05	.05	0.052	0.053	94	97	70-130	3	20	
Lead	mg/L	ND	.05	.05	0.048	0.050	94	99	70-130	5	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

Pace Analytical Services, LLC
5560 Corporate Exchange Ct. SE
Grand Rapids, MI 49512
(616)975-4500

QUALIFIERS

Project: West MI Academy
Pace Project No.: 462920

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.

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.

ANALYTE QUALIFIERS

R1 RPD value was outside control limits.

Pace Analytical Services, LLC
5560 Corporate Exchange Ct. SE
Grand Rapids, MI 49512
(616)975-4500

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: West MI Academy
Pace Project No.: 462920

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
462920001	WM1	EPA 200.8	6193		
462920002	WM2	EPA 200.8	6193		
462920003	WM3	EPA 200.8	6193		
462920004	WM4	EPA 200.8	6193		
462920005	WM5	EPA 200.8	6193		
462920006	WM6	EPA 200.8	6193		
462920007	WM7	EPA 200.8	6193		
462920008	WM8	EPA 200.8	6193		
462920009	WM9	EPA 200.8	6193		
462920010	WM10	EPA 200.8	6193		
462920011	WM11	EPA 200.8	6193		
462920012	WM12	EPA 200.8	6193		
462920013	WM13	EPA 200.8	6193		
462920014	WM14	EPA 200.8	6193		
462920015	WM15	EPA 200.8	6193		
462920016	WM16	EPA 200.8	6193		
462920017	WM17	EPA 200.8	6193		
462920018	WM18	EPA 200.8	6193		
462920019	WM19	EPA 200.8	6193		
462920020	WM20	EPA 200.8	6193		
462920021	WM21	EPA 200.8	6194		
462920022	WM22	EPA 200.8	6194		
462920023	WM23	EPA 200.8	6194		
462920024	WM24	EPA 200.8	6194		
462920025	WM25	EPA 200.8	6194		
462920026	WM26	EPA 200.8	6194		
462920027	WM27	EPA 200.8	6194		
462920028	WM28	EPA 200.8	6194		
462920029	WM29	EPA 200.8	6194		
462920030	WM30	EPA 200.8	6194		
462920031	WM31	EPA 200.8	6194		
462920032	WM32	EPA 200.8	6194		
462920033	WM33	EPA 200.8	6194		
462920034	WM34	EPA 200.8	6194		
462920035	WM35	EPA 200.8	6194		
462920036	WM36	EPA 200.8	6194		
462920037	WM37	EPA 200.8	6194		
462920038	WM38	EPA 200.8	6194		
462920039	WM39	EPA 200.8	6194		
462920040	WM40	EPA 200.8	6194		
462920041	WM41	EPA 200.8	6195		
462920042	WM42	EPA 200.8	6195		
462920043	WM43	EPA 200.8	6195		
462920044	WM44	EPA 200.8	6195		
462920045	WM45	EPA 200.8	6195		
462920046	WM46	EPA 200.8	6195		
462920047	WM47	EPA 200.8	6195		
462920048	WM48	EPA 200.8	6195		

Pace Analytical Services, LLC
5560 Corporate Exchange Ct. SE
Grand Rapids, MI 49512
(616)975-4500

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: West MI Academy
Pace Project No.: 462920

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
462920049	**WM49**	EPA 200.8	6195		
462920051	**WM51**	EPA 200.8	6195		
462920052	**WM52**	EPA 200.8	6195		
462920053	**WM53**	EPA 200.8	6195		
462920055	**WM55**	EPA 200.8	6195		
462920056	**WM56**	EPA 200.8	6195		
462920057	**WM57**	EPA 200.8	6195		
462920058	**WM58**	EPA 200.8	6195		
462920059	**WM59**	EPA 200.8	6195		
462920060	**WM60**	EPA 200.8	6195		
462920061	**WM61**	EPA 200.8	6196		
462920062	**WM62**	EPA 200.8	6196		
462920063	**WM63**	EPA 200.8	6196		
462920064	**WM64**	EPA 200.8	6196		
462920065	**WM65**	EPA 200.8	6196		
462920066	**WM66**	EPA 200.8	6196		
462920067	**WM67**	EPA 200.8	6196		
462920068	**WM68**	EPA 200.8	6196		
462920071	**WM71**	EPA 200.8	6196		
462920072	**WM72**	EPA 200.8	6196		
462920073	**WM73**	EPA 200.8	6196		
462920074	**WM74**	EPA 200.8	6196		
462920075	**WM75**	EPA 200.8	6196		
462920077	**WM77**	EPA 200.8	6196		
462920080	**WM80**	EPA 200.8	6196		
462920081	**WM81**	EPA 200.8	6213		
462920082	**WM82**	EPA 200.8	6213		
462920083	**WM83**	EPA 200.8	6213		
462920084	**WM84**	EPA 200.8	6213		
462920087	**WM87**	EPA 200.8	6213		
462920050	**WM50**	EPA 200.8	6389	EPA 200.8	6485
462920054	**WM54**	EPA 200.8	6389	EPA 200.8	6485
462920069	**WM69**	EPA 200.8	6389	EPA 200.8	6485
462920070	**WM70**	EPA 200.8	6389	EPA 200.8	6485
462920076	**WM76**	EPA 200.8	6389	EPA 200.8	6485
462920078	**WM78**	EPA 200.8	6389	EPA 200.8	6485
462920079	**WM79**	EPA 200.8	6389	EPA 200.8	6485
462920085	**WM85**	EPA 200.8	6389	EPA 200.8	6485
462920086	**WM86**	EPA 200.8	6389	EPA 200.8	6485
462920088	**WM88**	EPA 200.8	6389	EPA 200.8	6485

WO# : 462920

462920

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 8

2183365

Required Client Information:

Company: Northern Analytical

Address: 14870 225th Ave.

Big Rapids, MI 49307

Email To: John@northernas.com

Phone: 231-679-0005 Fax:

Requested Due Date/TAT:

Required Project Information:

Report To: John Rehkopf

Copy To:

Purchase Order No.:

Project Name: West MI Academy

Project Number:

Section C
Invoice Information:

Attention: See section A

Company Name:

Address:

Pace Quote Reference:

Pace Project Manager:

Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☒ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MI

Section D
Required Client Information

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

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	Analysis Test Y/N	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Wm 1	DW	G	9-26-17	8:59				1											462920-01
2	Wm 2				9:01															-02
3	Wm 3				9:01															-03
4	Wm 4				9:07															-04
5	Wm 5				9:07															-05
6	Wm 6				9:07															-06
7	Wm 7				9:07															-07
8	Wm 8				9:07															-08
9	Wm 9				9:07															-09
10	Wm 10				9:07															-10
11	Wm 11				9:08															-11
12	Wm 12				9:09															-12

(47-13) Cont 9

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Juston Rehkopf	9-29-17	8:30	Tammy Tate	9/29/17	0853	

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Juston Rehkopf

SIGNATURE of SAMPLER: Juston Rehkopf

DATE Signed (MM/DD/YY): 9-29-17

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.

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CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: See page 1	Report To:	Attention:
Address:	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: West MI Academy	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: MI

Requested Analysis Filtered (Y/N)

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	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	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	WM 13	DW	G	9-26-17	9:09				1											462920-13
2	WM 14				9:14															-14
3	WM 15				9:11															-15
4	WM 16				9:13															-16
5	WM 17				9:13															-17
6	WM 18				9:17															-18
7	WM 19				9:17															-19
8	WM 20				9:17															-20
9	WM 21				9:19															-21
10	WM 22				9:19															-22
11	WM 23				9:19															-23
12	WM 24				9:21															-24

(47-13) Cont 9

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Juston Rehkopf	9-29-17	8:53	Thomas Pace	9/29/17	0853	

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Juston Rehkopf

SIGNATURE of SAMPLER: Juston Rehkopf

DATE Signed (MM/DD/YY): 9-29-17

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.

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CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: See page 1	Report To:	Attention:
Address:	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: West MI Academy	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: MI

Requested Analysis Filtered (Y/N)

Section D Required Client Information

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

Matrix Codes — MATRIX / CODE
Drinking Water DW
Water WT
Waste Water WW
Product P
Soil/Solid SL
Oil OL
Wipe WP
Air AR
Tissue TS
Other OT

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	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	WM 25	DW	G	9-26-17	9:22				1											462920-25
2	WM 26				9:23															-26
3	WM 27				9:24															-27
4	WM 28				9:37															-28
5	WM 29				9:39															-29
6	WM 30				9:39															-30
7	WM 31				9:40															-31
8	WM 32				9:40															-32
9	WM 33				9:43															-33
10	WM 34				9:44															-34
11	WM 35				9:51															-35
12	WM 36				9:51															-36

(47-B) Cont 9

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Juston Rehkopf	9-29-17	8:53	Christopher Pace	9/29/17	0853	

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Juston Rehkopf

SIGNATURE of SAMPLER: Juston Rehkopf

DATE Signed (MM/DD/YY): 9-29-17

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.

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CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:

Company:	See page 1
Address:	
Email To:	
Phone: / Fax:	
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	
Copy To:	
Purchase Order No.:	
Project Name:	West MI Academy
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: MI

Section D Required Client Information

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

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

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	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	WM 37	DW	G	9-26-17	9:58				1											462920 - 37
2	WM 38				9:58															- 38
3	WM 39				9:58															-39
4	WM 40				9:58															-40
5	WM 41				10:02															-41
6	WM 42				10:02															-42
7	WM 43				10:02															-43
8	WM 44				10:02															-44
9	WM 45				10:02															-45
10	WM 46				10:04															-46
11	WM 47				10:04															-47
12	WM 48				10:04															-48

(47-13) Cont 9

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		9-29-17	8:53	Pace	9/29/17	0853	

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Juston Rehkopf

SIGNATURE of SAMPLER: _____ DATE Signed (MM/DD/YY): 9-29-17

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.

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Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: See page 1	Report To:	Attention:
Address:	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: West MI Academy	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: MI

Section D Required Client Information

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

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

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)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	WM 49	DW	G	9-26-17	10:04				1											462920-49
2	WM 50				10:04															-50
3	WM 51				10:04															-51
4	WM 52				10:08															-52
5	WM 53				10:09															-53
6	WM 54				10:09															-54
7	WM 55				10:13															-55
8	WM 56				10:13															-56
9	WM 57				10:15															-57
10	WM 58				10:15															-58
11	WM 59				10:17															-59
12	WM 60				10:17															-60

(47-13) Cont 9

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[signature]	9-29-17	8:53	[signature] Pace	9/29/17	0853	

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Juston Rehkopf

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9-29-17

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.

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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.

Page: 6 of 8

2183370

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: See page 1	Report To:	Attention:
Address:	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: West MI Academy	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: MI

Requested Analysis Filtered (Y/N)

Section D Required Client Information

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

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

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	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	WM 61	DW	G	9-26	10:20				1											462920 - 61
2	WM 62				10:20															-62
3	WM 63				10:21															-63
4	WM 64				10:21															-64
5	WM 65				10:35															-65
6	WM 66				10:35															-66
7	WM 67			9-27	9:20															-67
8	WM 68				9:21															-68
9	WM 69				9:25															-69
10	WM 70				9:25															-70
11	WM 71				9:25															-71
12	WM 72				9:27															-72

(47-13)
Cert 9

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Juston Rehkopf	9-29-17	8:53	[illegible] Pace	9/29/17	0853	

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Juston Rehkopf

SIGNATURE of SAMPLER: Juston Rehkopf

DATE Signed (MM/DD/YY): 9-29-17

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.

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 7 of 8

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Section A — **Required** Client Information:

Company:	See page 1
Address:	
Email To:	
Phone: / Fax:	
Requested Due Date/TAT:	

Section B — **Required** Project Information:

Report To:	
Copy To:	
Purchase Order No.:	
Project Name:	West MI Academy
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: MI

Section D — **Required** Client Information

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

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

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	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	WM 73	DW	G	9-27-17	9:27				1											462920 - 73
2	WM 74				9:27															- 74
3	WM 75				9:27															- 75
4	WM 76				9:27															- 76
5	WM 77				9:27															- 77
6	WM 78				9:34															- 78
7	WM 79				9:34															- 79
8	WM 80				9:37															- 80
9	WM 81				9:37															- 81
10	WM 82				9:37															- 82
11	WM 83				9:37															- 83
12	WM 84				9:37															- 84

(47-13) Cart 9

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Juston Rehkopf	9-29-17	8:53	[signature] Pace	9/29/17	0853	

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Juston Rehkopf

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9-29-17

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.

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 8 of 8

2183372

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: See page 1	Report To:	Attention:
Address:	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: West MI Academy	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: MI

Requested Analysis Filtered (Y/N)

Section D Required Client Information

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

Matrix Codes — MATRIX / CODE
Drinking Water DW
Water WT
Waste Water WW
Product P
Soil/Solid SL
Oil OL
Wipe WP
Air AR
Tissue TS
Other OT

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	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	WM 85	DW	G	9-27-17	9:37				1											462920-85
2	WM 86				9:50															-86
3	WM 87				9:39															-87
4	WM 88				9:50															-88
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

(47-13)
Cart 9

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Justin Rehkopf	9-29-17	8:53	[illegible] Pace	9/29/17	0853	

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Rehkopf

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9-29-17

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 RECEIVING / LOG-IN CHECKLIST

Pace Analytical®

Client: Northern Analytical | Work Order #: 462920

Receipt Record Page/Line #: 47-13 | New / Add To | Project Chemist | Sample #s

Recorded by (initials/date): TS 9/29/17

☒ Cooler ☐ Box ☐ Other_____ | Qty Received: 3

Thermometer Used: ☒ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____) | ☐ See Additional Cooler Information Form

Cooler #	Time	Custody Seals	Coolant Type	Coolant Location	Temp Blank Present	If Present, Temperature Blank Location is:
106904	1158	☒ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☒ None	Dispersed / Top / Middle / Bottom	☒ Yes ☐ No	☒ Representative ☐ Not Representative
Blue	1201	☒ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☒ None	Dispersed / Top / Middle / Bottom	☒ Yes ☐ No	☒ Representative ☐ Not Representative
000144	1206	☒ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☒ None	Dispersed / Top / Middle / Bottom	☒ Yes ☐ No	☒ Representative ☐ Not Representative
		☐ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / Top / Middle / Bottom	☐ Yes ☐ No	☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:	18.7		18.7
Sample 1:	19.1		19.1
Sample 2:	19.2		19.2
Sample 3:	18.9		18.9
3 Sample Average °C:			19.1

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:	18.6		18.6
Sample 1:	18.1		18.1
Sample 2:	19.0		19.0
Sample 3:	18.9		18.9
3 Sample Average °C:			18.7

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:	18.1		18.1
Sample 1:	19.0		19.0
Sample 2:	19.9		19.9
Sample 3:	19.7		19.7
3 Sample Average °C:			19.5

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:			
Sample 1:			
Sample 2:			
Sample 3:			
3 Sample Average °C:			

☐ Cooler ID on COC?	☐ VOC Trip Blank received?	☐ Cooler ID on COC?	☐ VOC Trip Blank received?
☐ Cooler ID on COC?	☐ VOC Trip Blank received?	☐ Cooler ID on COC?	☐ VOC Trip Blank received?

If any shaded areas checked, complete Sample Receiving Non-Conformance and/or Inventory Form

Paperwork Received

Yes	No	
☒	☐	Chain of Custody record(s)? If No, Initiated By _____
☒		Received for Lab Signed/Date/Time?
☐	☒	Shipping document?
☐	☒	Other _____

COC Information

☒ Pace COC ☐ Other_____

COC ID Numbers:

2183365 → 2183372

Check Sample Preservation

N/A	Yes	No	
	☒	☐	Temperature Blank **OR** average sample temperature, ≥6° C?
☒	☐	☐	If either is ≥6° C, was thermal preservation required?
☒	☐		If "Yes", Project Chemist Approval Initials:_____
☒	☐		If "Yes" Completed Non Con Cooler - Cont Inventory Form?
☐	☒		Completed Sample Preservation Verification Form?
☐	☐	☒	Samples chemically preserved correctly?
☐	☒		If "No", added orange tag?
	☐	☒	Received pre-preserved VOC soils? ☐ MeOH ☐ Na_2SO_4

Check COC for Accuracy

Yes	No	
☒	☐	Analysis Requested?
☒	☐	Sample ID matches COC?
☒	☐	Sample Date and Time matches COC?
☒		Container type completed on COC?
☒	☐	All container types indicated are received?

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1 L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☒ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

Sample Condition Summary

N/A	Yes	No	
	☐	☒	Broken containers/lids?
	☐	☒	Missing or incomplete labels?
	☐	☒	Illegible information on labels?
	☐	☒	Low volume received?
	☐	☒	Inappropriate or non-Pace containers received?
☒	☐	☐	VOC vials / TOX containers have headspace?
☒	☐	☐	Extra sample locations / containers not listed on COC?

Notes

Drinking Waters

☐ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
TS 9/29/17	TS 9/29/17	Yes / No

SAMPLE PRESERVATION VERIFICATION FORM

Pace Analytical®

Client: Northern Analytical	Work Order #: 462920
Receipt Log #: 47-13	Completed By (initials/date): PS 9/29/17
	Project Chemist:

COC ID # 2183365

Adjusted by:_____ Date:_____

Container Type	5 / 23	4	13		6	15		
Tag Color	Lt. Blue	Blue	Brown		Red	Red Stripe		
Preservative	NaOH	H_2SO_4	H_2SO_4		HNO_3	HNO_3		
Expected pH	>12	<2	<2		<2	<2		
COC Line #1					✓			
COC Line #2					✓			
COC Line #3					✓			
COC Line #4					✓			
COC Line #5					✓			
COC Line #6					✓			
COC Line #7					✓			
COC Line #8					✓			
COC Line #9					✓			
COC Line #10					✓			
COC Line #11					✓			
COC Line #12					✓			

Comments

COC ID # 2183366

Adjusted by:_____ Date:_____

Container Type	5 / 23	4	13		6	15		
Tag Color	Lt. Blue	Blue	Brown		Red	Red Stripe		
Preservative	NaOH	H_2SO_4	H_2SO_4		HNO_3	HNO_3		
Expected pH	>12	<2	<2		<2	<2		
COC Line #1					✓			
COC Line #2					✓			
COC Line #3					✓			
COC Line #4					✓			
COC Line #5					✓			
COC Line #6					✓			
COC Line #7					✓			
COC Line #8					✓			
COC Line #9					pH=4			
COC Line #10					✓			
COC Line #11					✓			
COC Line #12					✓			

Comments: Adjusted to <2 at 13:30 9/29/17. Added 1.8 mL of HNO_3.

DO NOT ADJUST pH FOR THESE CONTAINER TYPES

pH Strip Reagent # / Lot #

☒ HC601354

☐ Other _____

Aqueous Samples: For each sample and container type, check the box if pH is acceptable. If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form. If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 6 and 15.

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5	NaOH
500	2.5
1000	5.0
Container Type 4	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5

SAMPLE PRESERVATION VERIFICATION FORM

Pace Analytical®

Client: Northern Analytical	Work Order #: 462920
Receipt Log #: 47-13	Completed By (initials/date): TS 9/29/17
	Project Chemist:

COC ID # 2183367	Adjusted by: _____ Date: _____			DO NOT ADJUST pH FOR THESE CONTAINER TYPES			
Container Type	5 / 23	4	13	(6)	15		
Tag Color	Lt. Blue	Blue	Brown	Red	Red Stripe		
Preservative	NaOH	H_2SO_4	H_2SO_4	HNO_3	HNO_3		
Expected pH	>12	<2	<2	<2	<2		
COC Line #1				✓			
COC Line #2				✓			
COC Line #3				✓			
COC Line #4				✓			
COC Line #5				✓			
COC Line #6				✓			
COC Line #7				✓			
COC Line #8				✓			
COC Line #9				✓			
COC Line #10				✓			
COC Line #11				✓			
COC Line #12				✓			
Comments							

COC ID # 2183368	Adjusted by: _____ Date: _____			DO NOT ADJUST pH FOR THESE CONTAINER TYPES			
Container Type	5 / 23	4	13	(6)	15		
Tag Color	Lt. Blue	Blue	Brown	Red	Red Stripe		
Preservative	NaOH	H_2SO_4	H_2SO_4	HNO_3	HNO_3		
Expected pH	>12	<2	<2	<2	<2		
COC Line #1				✓			
COC Line #2				✓			
COC Line #3				✓			
COC Line #4				✓			
COC Line #5				✓			
COC Line #6				✓			
COC Line #7				✓			
COC Line #8				✓			
COC Line #9				✓			
COC Line #10				✓			
COC Line #11				✓			
COC Line #12				✓			
Comments							

pH Strip Reagent # / Lot #
☑ HC601354
Other
☐ _____

Aqueous Samples: For each sample and container type, check the box if pH is acceptable. If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form. If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 6 and 15.

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5	NaOH
500	2.5
1000	5.0
Container Type 4	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5

SAMPLE PRESERVATION VERIFICATION FORM

Pace Analytical®

Client	Work Order #
Northern Analytical	462920
Receipt Log # 47-13	Completed By (initials/date) PS 9/29/17
	Project Chemist

COC ID # 2183369

Adjusted by:_____ Date:_____

DO NOT ADJUST pH FOR THESE CONTAINER TYPES

Container Type	5 / 23	4	13		(6)	15		
Tag Color	Lt. Blue	Blue	Brown		Red	Red Stripe		
Preservative	NaOH	H_2SO_4	H_2SO_4		HNO_3	HNO_3		
Expected pH	>12	<2	<2		<2	<2		
COC Line #1					✓			
COC Line #2					✓			
COC Line #3					✓			
COC Line #4					✓			
COC Line #5					✓			
COC Line #6					✓			
COC Line #7					✓			
COC Line #8					✓			
COC Line #9					✓			
COC Line #10					✓			
COC Line #11					✓			
COC Line #12					✓			

Comments

COC ID # 2183370

Adjusted by:_____ Date:_____

DO NOT ADJUST pH FOR THESE CONTAINER TYPES

Container Type	5 / 23	4	13		(6)	15		
Tag Color	Lt. Blue	Blue	Brown		Red	Red Stripe		
Preservative	NaOH	H_2SO_4	H_2SO_4		HNO_3	HNO_3		
Expected pH	>12	<2	<2		<2	<2		
COC Line #1					✓			
COC Line #2					✓			
COC Line #3					✓			
COC Line #4					✓			
COC Line #5					✓			
COC Line #6					✓			
COC Line #7					✓			
COC Line #8					✓			
COC Line #9					✓			
COC Line #10					✓			
COC Line #11					✓			
COC Line #12					✓			

Comments

pH Strip Reagent # / Lot #

☐ HC601354

☐ Other _____

Aqueous Samples: For each sample and container type, check the box if pH is acceptable. If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form. If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 6 and 15.

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5	NaOH
500	2.5
1000	5.0
Container Type 4	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5

SAMPLE PRESERVATION VERIFICATION FORM

Pace Analytical®

Client	Work Order #
Northern Analytical	462920
Receipt Log # 47-13	Completed By (initials/date) FS 9/29/17
	Project Chemist

COC ID # 2185371

Adjusted by: _____ Date: _____

DO NOT ADJUST pH FOR THESE CONTAINER TYPES

Container Type	5 / 23	4	13		6	15		
Tag Color	Lt. Blue	Blue	Brown		Red	Red Stripe		
Preservative	NaOH	H_2SO_4	H_2SO_4		HNO_3	HNO_3		
Expected pH	>12	<2	<2		<2	<2		
COC Line #1					✓			
COC Line #2					✓			
COC Line #3					✓			
COC Line #4					✓			
COC Line #5					✓			
COC Line #6					✓			
COC Line #7					✓			
COC Line #8					✓			
COC Line #9					✓			
COC Line #10					✓			
COC Line #11					✓			
COC Line #12					✓			

Comments

COC ID # 2185372

Adjusted by: _____ Date: _____

DO NOT ADJUST pH FOR THESE CONTAINER TYPES

Container Type	5 / 23	4	13		6	15		
Tag Color	Lt. Blue	Blue	Brown		Red	Red Stripe		
Preservative	NaOH	H_2SO_4	H_2SO_4		HNO_3	HNO_3		
Expected pH	>12	<2	<2		<2	<2		
COC Line #1					✓			
COC Line #2					✓			
COC Line #3					✓			
COC Line #4					✓			
COC Line #5								
COC Line #6								
COC Line #7								
COC Line #8								
COC Line #9								
COC Line #10								
COC Line #11								
COC Line #12								

Comments

pH Strip Reagent # / Lot #

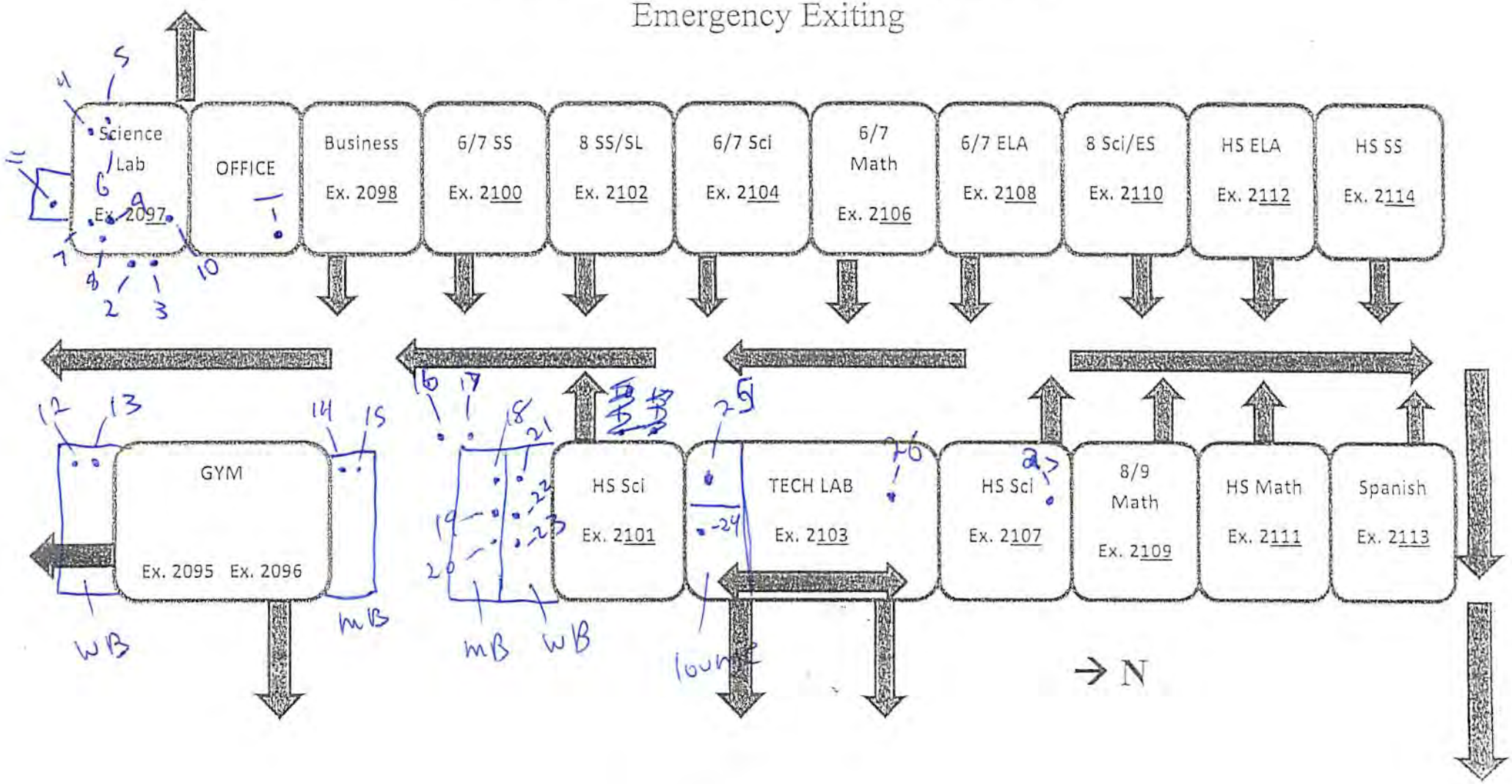
☑ HC601354

☐ Other _____

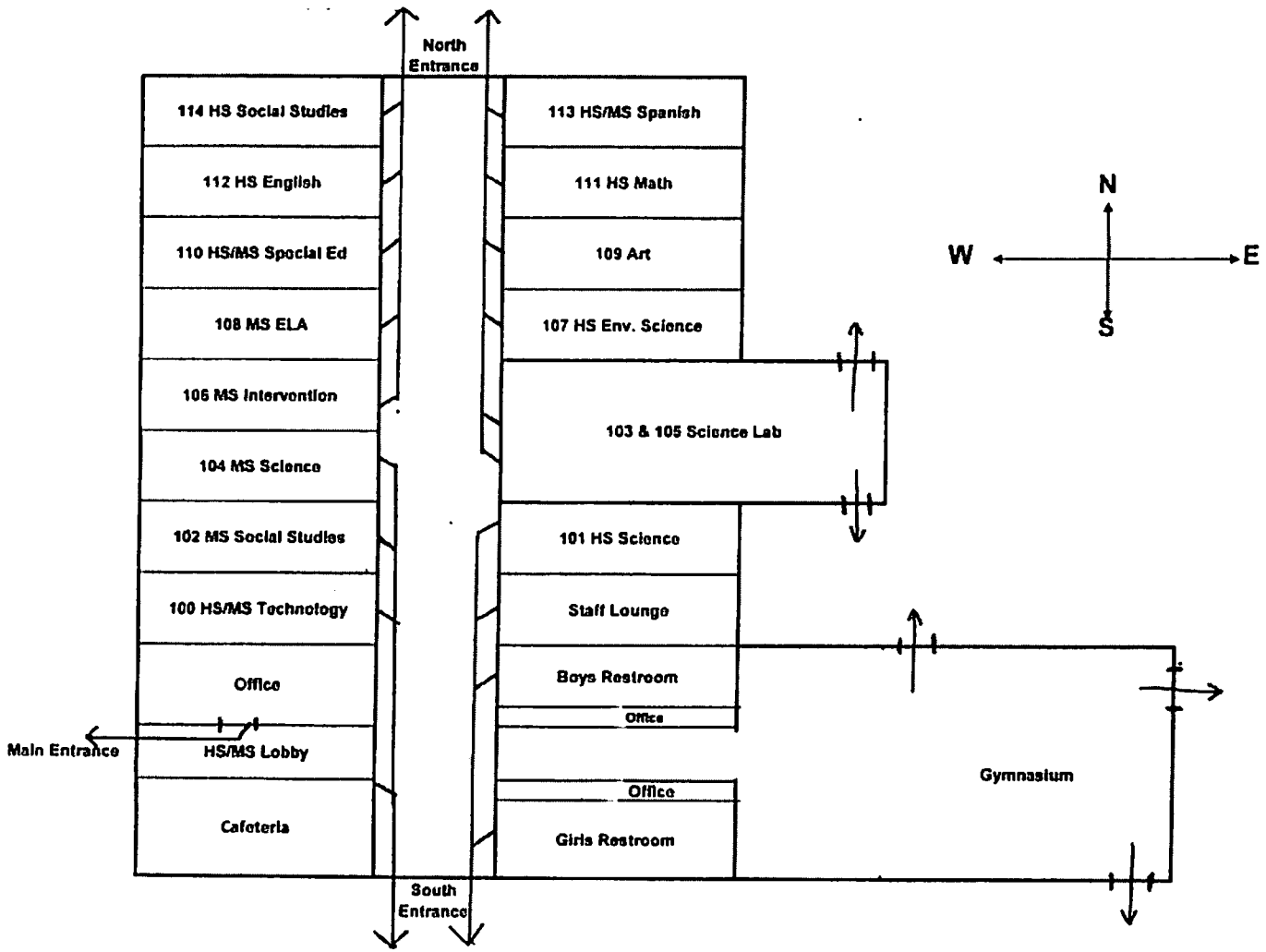
Aqueous Samples: For each sample and container type, check the box if pH is acceptable. If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form. If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 6 and 15.

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5	NaOH
500	2.5
1000	5.0
Container Type 4	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5

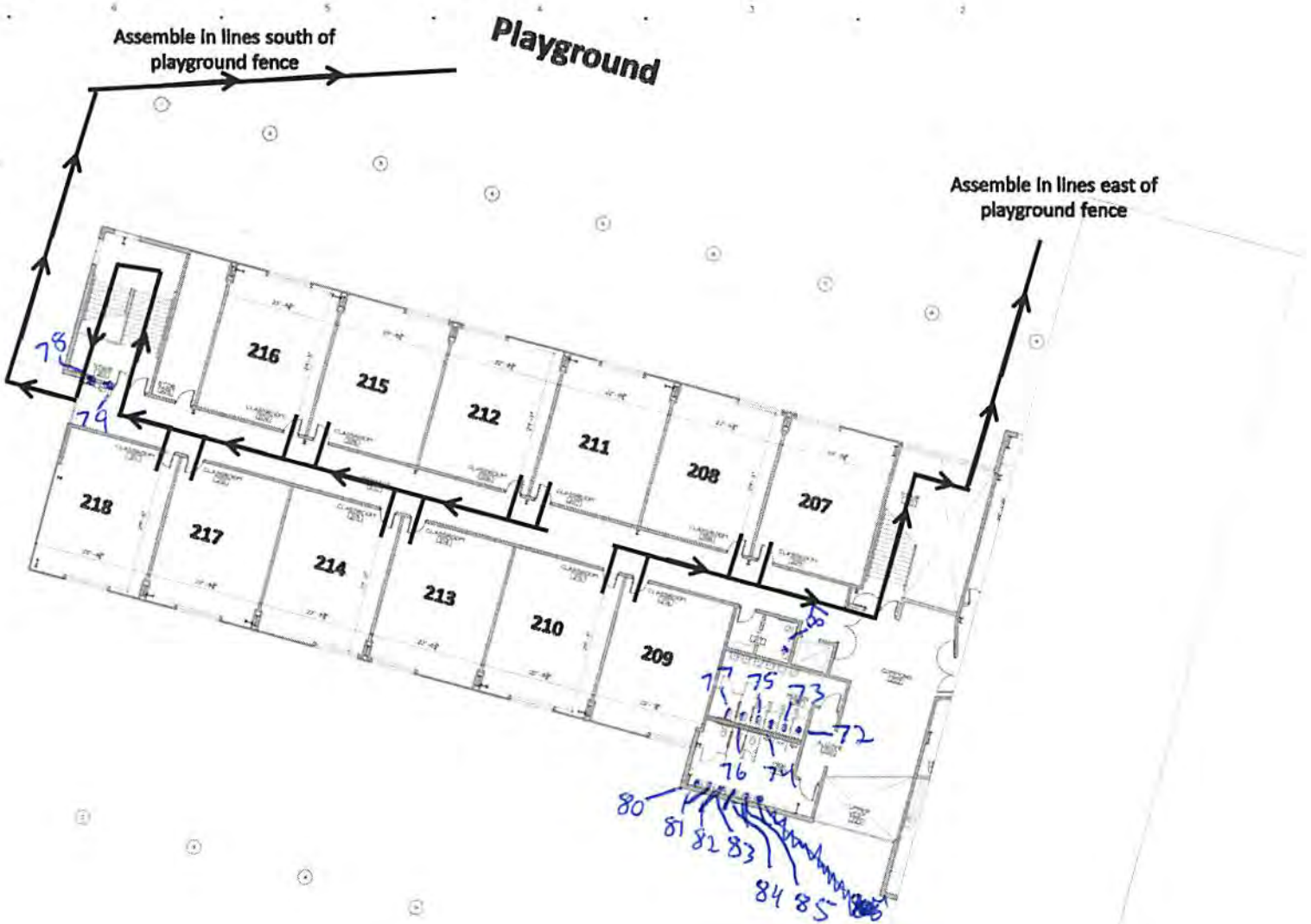
Middle/High School Room Assignments
Emergency Exiting



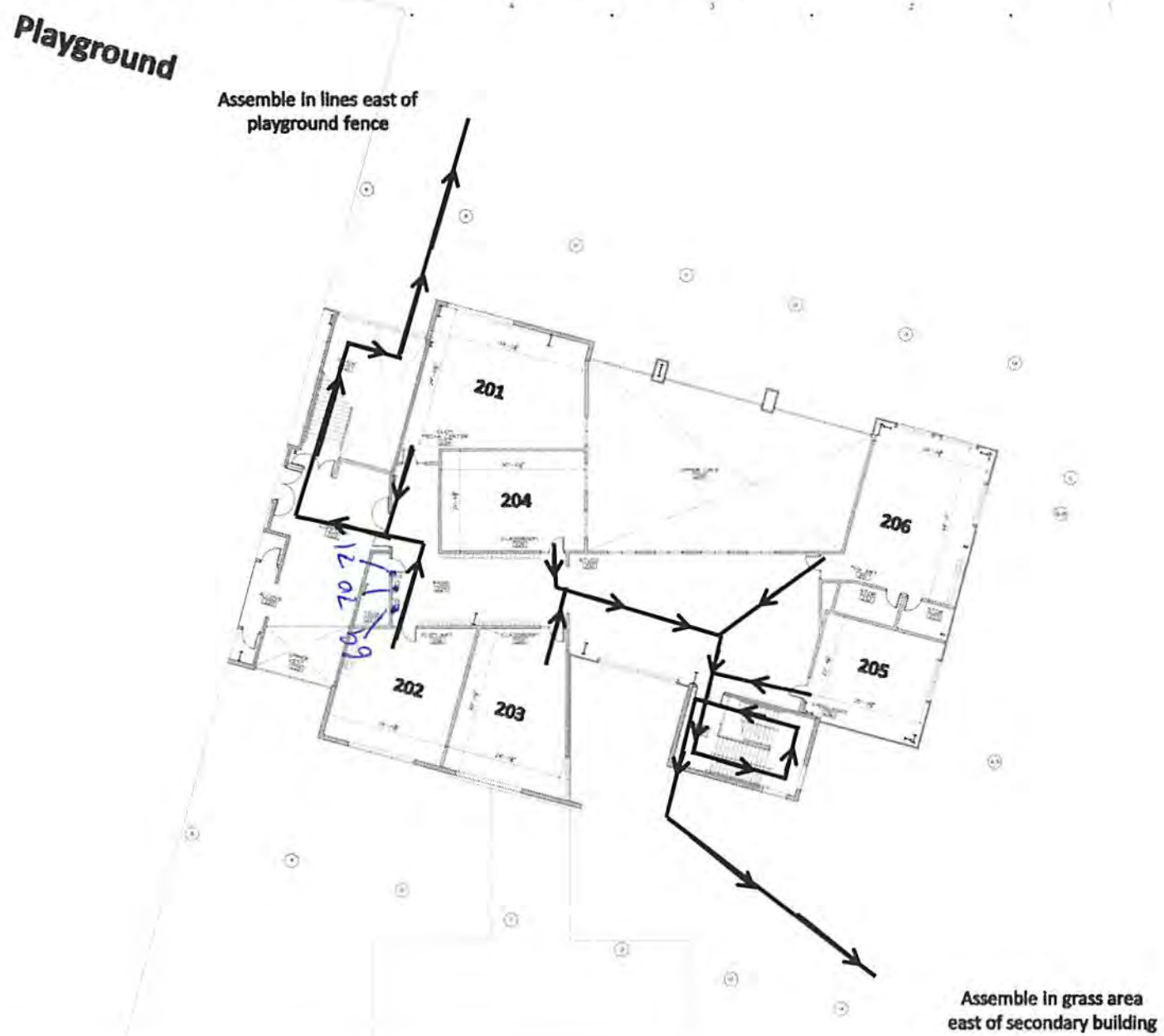
Secondary Evacuation Map



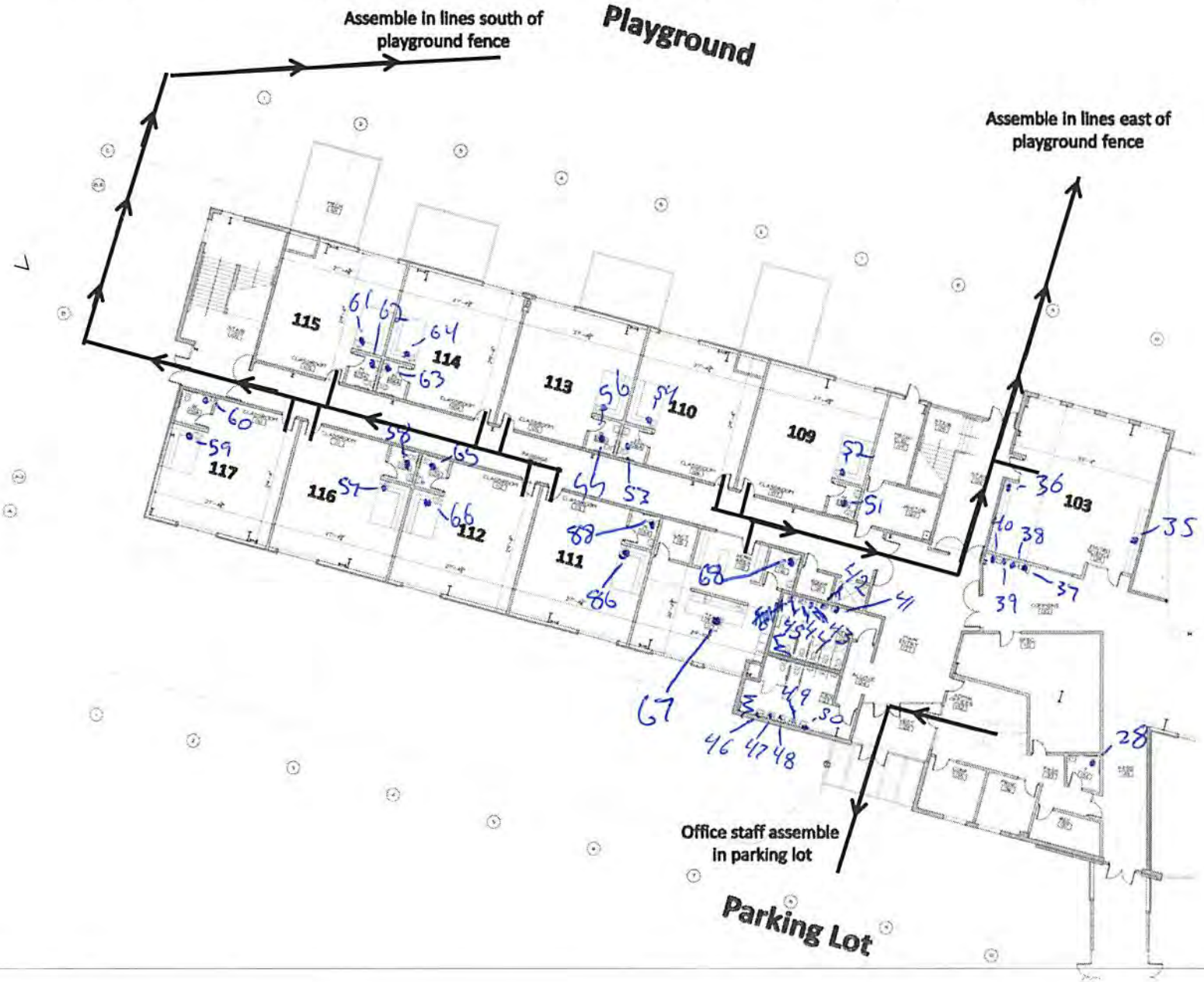
Second Floor Evacuation Route



Second Floor Evacuation Route



First Floor Evacuation Route



Cafeteria Evacuation Route