WEST WINDSOR-PLAINSBORO Regional School District
505 Village Road West, West Windsor, NJ 08550
609.716.5000 **www.ww-p.org**

March 15, 2016

Dear WW-P Community:

I have been in touch with West Windsor Township and Plainsboro Township officials as well as representatives from the New Jersey Department of Education regarding the lead crisis in Flint, Michigan and now in Newark, New Jersey.

The water supply leading into school buildings was tested by New Jersey American Water. If you want more information from New Jersey American Water, you can click on this link: http://www.amwater.com/ccr/raritan.pdf. Based upon this report from New Jersey American Water, we believe that the water entering school buildings has been safe.

However, no testing of drinking water has been done on water after passing through the pipes or water fountains in our district. As a precaution, the WW-P Department of Buildings and Grounds is in the process of contracting with an environmental company to complete water testing at all ten schools.

Once testing has been completed, WW-P will share the results with staff and the community.

Sincerely,

David Aderhold, EdD, Superintendent of Schools

WEST WINDSOR-PLAINSBORO Regional School District
505 Village Road West, West Windsor, NJ 08550
609.716.5000 **www.ww-p.org**

April 18, 2016

Dear WW-P Community:

During spring recess, PARS Environmental, Inc., an environmental consultant company, tested the water in all ten schools. We have received unofficial sample results for nine of the ten schools; we are awaiting results for High School North.

Late Friday, we received a communication from PARS Environmental, Inc. with preliminary findings. A written report has not been issued at this time as all results have not been received from the laboratory that tested the water.

It is important to put these results in context. We tested 130 locations: 115 results have been received (missing testing samples from HSN). Of the 115, 110 samples have received acceptable results (with levels of lead under 15 parts per billion (ppb)), and 5 of the tested water fountain/faucet locations were identified with a lead concentration above 15 ppb. As instructed by PARS Environmental, Inc., WW-P immediately shut off the water to the identified drinking fountains/faucets pending results of a second sample and official written report.

The following schools did not have lead concentrations above 15 ppb:

- Community Middle School
- Wicoff Elementary School
- Millstone River School
- Town Center Elementary School

The following locations had lead concentrations above 15 ppb:

- Village School, Room 206: Classroom Faucet (22 ppb)
- Dutch Neck Elementary School: Faculty Lounge Bubbler (18 ppb)
- Maurice Hawk Elementary School, Room 165: Bubbler (16 ppb)
- Grover Middle School, Room A233: Classroom Faucet (25 ppb)

- High School South, Hallway Commons 1: Near Library Water Cooler (58 ppb)

The following location results have not been received:

- High School North

It also is important to understand the information sent to us from the testing company. PARS Environmental, Inc. stated, "Due to the relatively low lead concentrations of the exceedances and the low/non-detect results at all other locations within these schools, our initial thought is these locations were not flushed or flushed properly prior to sampling. However, as recommended by the USEPA, these locations should be taken offline. Further, it is recommended that we re-sample each location for a first and second draw sample. Once the resampling results have been received, we will make further recommendations, if warranted."

We have turned off the five faucets/fountains that have been identified. We are working to retest within the next week.

At this time, we have not received a final written report. Once we have received this information, we will share it with everyone, and will post the information on the web site.

The health and safety of our students and staff is of our greatest priority. We will work with local officials and the environmental consultant to ensure that appropriate remedial actions are taken. If you would like to read more about this issue, the Centers for Disease Control has information on its web site.

Sincerely,

David Aderhold, EdD, Superintendent of Schools

WEST WINDSOR-PLAINSBORO Regional School District
505 Village Road West, West Windsor, NJ 08550
609.716.5000 **www.ww-p.org**

April 27, 2016

Dear WW-P Community:

During spring recess, PARS Environmental, Inc., an environmental consultant company, tested the water in all ten schools. This e-mail is a follow up to the earlier communications about water testing, and will provide additional information.

The main source of water coming into WW-P schools has been tested by New Jersey American Water and shown to have no evidence of lead in the water. [If you want more information from New Jersey American Water, click on this link: http://www.amwater.com/ccr/raritan.pdf.]

During spring recess, PARS Environmental, Inc. tested water in all ten schools. PARS Environmental, Inc. took 130 samples; 125 samples were found to be within the acceptable standard. [Federal standards, as determined by the Environmental Protection Agency, state that acceptable levels of lead in water can be measured at not above 15 ppb.]

Initial testing showed five schools did not have lead concentrations above 15 ppb; we now have the reports for these five schools: Town Center Elementary School, Wicoff Elementary School, Millstone River School, Community Middle School, and High School North. The reports can be found at this link: http://www.ww-p.org/about_us/safe_schools/water_testing.

There were five schools with single locations reporting a lead concentration above 15 ppb: Dutch Neck Elementary School, Maurice Hawk Elementary School, Village School, Grover Middle School, and High School South. Following the protocols set forth by the environmental consultant, all identified areas were retested. All areas that were identified for re-testing were turned off during the retesting process.

The re-sampling results from Dutch Neck Elementary School, Village School, Grover Middle School, and High School South show lead concentrations not above 15 ppb; the official reports from these four schools will be finalized shortly and we will post them on the district web site. [The four areas in these four schools that were identified for re-testing were turned off during the retesting process; water usage now has been restored to these sites.]

The resampling at one location at Maurice Hawk Elementary School remains unsatisfactory (above 15 ppb]. This faucet and bubbler in Room 165 has been taken offline, as we work with the environmental consultant on a course of action. Also, when we receive the report for Maurice Hawk Elementary School, which we expect soon, we will post it on the district web site.

As I stated in my original communication to you, the health and safety of our students and staff is our greatest priority.

Sincerely,
David Aderhold, Superintendent of Schools

Dear Hawk Parents and Staff:

We have updated information about water testing at Maurice Hawk Elementary School: Early this morning, we received results from re-tested water samples from Maurice Hawk Elementary School.

Let me review where we are at this point in the testing process: PARS Environmental, Inc., an environmental consultant company, completed water testing during spring break. At that time, PARS Environmental, Inc. took 15 water samples; 1 sample did not meet federal standards. [Federal standards, as determined by the Environmental Protection Agency, state that acceptable levels of lead in water can be measured at not above 15 ppb.]

For a second round of testing, PARS Environmental, Inc. re-tested the one area (Room 165). The results from this testing did not meet federal standards.

For a third round of testing, PARS Environmental, Inc. tested 14 samples: Nine samples met federal standards; five samples did not. The samples that did not meet federal standards were from the faucets and bubblers in Rooms 170, 164, 165, 166, and 167. The water in these locations have been turned off.

We are working with PARS Environmental, Inc. and the district Buildings and Grounds Department to find a solution.

As I stated in my original communication to you, the health and safety of our students and staff is our greatest priority.

Sincerely,
David Aderhold, Superintendent of Schools

January 22, 2017

The New Jersey Department of Education has required all public school districts to test water in all schools before the end of the 2016-2017 school year. To comply with this directive, we have started testing water in our school buildings.

During winter recess, PARS Environmental, Inc., an environmental consulting company, tested the water in High School North and High School South; and on January 16, 2017, water at Grover Middle School and Community Middle School was tested.

At High School North, PARS Environmental, Inc. took 72 samples and at High School South, PARS Environmental took 90 samples; all drinkable water was sampled. Preliminary results indicated that 89 of 90 water sources at High School South and 67 of 72 water sources at High School North have tested within the acceptable standard. [Federal standards, as determined by the Environmental Protection Agency, state that acceptable levels of lead in water can be measured at not above 15 ppb.] It is important to note that all water fountains were found to be within the acceptable levels. The six locations that were above the acceptable standard have been turned off and will be retested (as per protocol). The retesting process will take place this week, following the guidance and advice of PARS Environmental. Also, we have notified both the West Windsor and Plainsboro Health Departments. Once results become available, we will provide a further update.

At this time, we have not received results from the testing of water in the middle schools; once results become available, we will share accordingly. WW-P plans to test the other six schools in the next few months.

As always, the health and safety of our students and staff is our greatest priority.

Sincerely,
David Aderhold, EdD, Superintendent of Schools

January 23, 2017

I am sending this information as a follow up to yesterday's water testing message.

Today, we received the results from the water testing at Community Middle School and Grover Middle School. At CMS, 57 samples were taken and at GMS, 39 samples were taken. All samples at GMS are within the acceptable standard. Three samples at CMS were above the acceptable standard , and these locations have been turned off and will be retested according to protocol. [Federal standards, as determined by the Environmental Protection Agency, state that

acceptable levels of lead in water can be measured at not above 15 ppb.] Once we have the results from the retesting, we will share them.

As a reminder, WW-P plans to test the other six schools in the next few months.

Sincerely,
David Aderhold, EdD, Superintendent of Schools

January 25, 2017

We have received the results from the retesting of water at High School North and High School South. As I wrote a few days ago, at High School North, PARS Environmental, Inc. took 72 samples and at High School South, PARS Environmental took 90 samples; all drinkable water was sampled. Preliminary results indicated that 89 of 90 water sources at High School South and 67 of 72 water sources at High School North tested within the acceptable standard.

The six locations that were above the acceptable standard were turned off and have been retested (as per protocol). All retested samples from High School South were within the acceptable standard. At High School North, four of the five retested samples were within the acceptable standard. The sample from the station in the HSN Main Office will remain offline; we will change the fixture and retest, as protocol requires.

We will continue to update all WW-P as results become available.

Sincerely,
David Aderhold, EdD, Superintendent of Schools

January 27, 2017

We have received the results from the retesting of water at Community Middle School.

Earlier this week, we received the results from the water testing at Community Middle School and Grover Middle School. At CMS, 57 samples were taken and at GMS, 39 samples were taken. All samples at GMS are within the acceptable standard. Three samples at CMS were above the acceptable standard, and these locations have been turned off and will be retested according to protocol. [Federal standards, as determined by the Environmental Protection Agency, state that acceptable levels of lead in water can be measured at not above 15 ppb.]

The three samples at Community Middle School did not pass the re-tests. Next week, we will be changing the fixtures in two water fountains and in a sink in the culinary classroom. (The water remains turned off.) Once the new fixtures are in place, we will sample the water.

As a reminder, WW-P plans to test the other six schools in the next few months.

Sincerely,
David Aderhold, EdD, Superintendent of Schools

PARS
Environmental
Inc.

LEAD IN DRINKING WATER TESTING REPORT

WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
COMMUNITY MIDDLE SCHOOL
95 GROVERS MILL ROAD
PLAINSBORO, NEW JERSEY 08536

PREPARED FOR:

West Windsor-Plainsboro Regional School District
505 Village Road West
PO Box 505
West Windsor, New Jersey 08550

PREPARED BY:

PARS Environmental, Inc.
500 Horizon Drive, Suite 540
Robbinsville, New Jersey 08691
Tel: 609-890-7277
Fax: 609-890-9116

PARS Project No. 565-84

April 2016

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EXECUTIVE SUMMARY

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at the Community Middle School (CMS). PARS conducted the lead in drinking water testing on March 30, 2016. The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the United States Environmental Protection Agency (USEPA) *3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance (USEPA 3Ts)*. PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

FINDINGS

The USEPA National Primary Drinking Water Regulations requires that immediate action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 milligrams per liter (mg/l). Exceedance of the 0.015 mg/l action level was not identified in CMS. A total of 15 water samples were collected and analyzed.

Based on the laboratory analytical results, no further investigation is warranted at this time. PARS recommends periodic testing per state and federal regulations.

1.0 INTRODUCTION

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at the Community Middle School (CMS). The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the *USEPA 3Ts*. PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

Sampling methodology is described in Section 2.0, the Lead in Drinking Water Findings are discussed in Section 3.0, and the Conclusions and Recommendations are presented in Section 4.0. A list of the sample locations and results are provided in **Table 1**. The Laboratory Analytical Report and Laboratory NELAC Certification are provided in **Appendix A** and **B**, respectively.

This report is intended for the sole use of WWP. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations, is at risk of said user.

2.0 LEAD IN DRINKING WATER SAMPLING

PARS conducted lead in drinking water testing at the CMS on March 30, 2016. The lead in drinking water sampling was conducted by Christa Casciolini and Melissa Konieczny of PARS.

PARS performed lead in drinking water testing at a total of eight (8) drinking water fountains (bubbler and cooler units) and seven (7) faucets in the nurse's office, teacher's room, classroom, and kitchen locations in the CMS.

All samples were collected following the USEPA First Draw sampling protocol. The First Draw sample collection occurred in the morning prior to the facility opening and before any water was drawn in the building, including toilet flushing. The water was unused for six (6) to eight (8) hours prior to collection. Arrangements were made to sample the water outlets prior to the arrival of teachers and students.

The samples were placed in pre-preserved plastic bottles and submitted for laboratory analysis to SGS Accutest for two-week turnaround. SGS Accutest is a New Jersey Department of Environmental Protection (NJDEP) certified laboratory for lead in drinking water (NELAC #CO007). All samples were analyzed using USEPA Method 200.8 for the determination of trace elements in waters and wastes by inductively coupled plasma – mass spectrometry (ICP-MS). Chain-of-custody protocols were followed.

3.0 LEAD IN DRINKING WATER FINDINGS

Based on the laboratory analytical results, lead concentrations exceeding 0.015 mg/l action level were not identified in the 15 water samples collected at CMS.

Lead in drinking water tabulated results for the CMS are provided in **Table 1**. The laboratory analytical report is included in **Appendix A.** The laboratory certification is included in **Appendix B**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

A total of eight (8) drinking water fountains and seven (7) faucets in the nurse's office, teacher's room, classroom, and kitchen locations were tested at the CMS. The USEPA recommends that action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 mg/l. None of the 15 outlets sampled in the CMS exceeded the 0.015 mg/l action level.

Based on the laboratory analytical results, no further investigation is warranted at this time. PARS recommends periodic testing per state and federal regulations.

-o0o-

PARS appreciates the opportunity to assist West Windsor-Plainsboro Regional School District with this project. Should you have any questions or comments please feel free to contact us at (609) 890-7277.

Respectfully submitted,

PARS ENVIRONMENTAL, INC.

Christa M. Casciolini
Project Geologist

Margaret Halasnik
Principal Industrial Hygienist

TABLE 1
DRINKING WATER RESULTS TABLE

TABLE 1
LEAD IN DRINKING WATER TESTING REPORT
WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
COMMUNITY MIDDLE SCHOOL
APRIL 2016

All samples are primary (first draw) samples.
All faucets sampled are cold water, unless noted.
EPA Action limit = 0.015 milligrams per liter (mg/l)

School:	**Community Middle School**
Sampling Date:	**3/30/2016**

Exceeds EPA Action Limit (> 0.015 mg/l)
Hit = result > 0.00050 detection limit

Accutest Mountain States										**15-Apr-16**	
Job Number:	**D81292**										
Account:	**PARS Environmental Services**										
Project:	**WWP Regional, West Windsor-Plainsboro, NJ**										
Project Number:	**Community Middle School**										
Legend:											Hit
Client Sample ID:		**CMS-01-NUR-DW-P**	**CMS-01-KIT-KC-P**	**CMS-01-BL-DW-P**	**CMS-01-GL-DW-P**	**CMS-01-215-DW-P**	**CMS-01-305-KC-P**	**CMS-01-308_310-DW-P**	**CMS-01-H713-DW-P**	**CMS-01-705-CF-P**	**CMS-02-H814-DW-P**
Lab Sample ID:		**D81292-1**	**D81292-2**	**D81292-3**	**D81292-4**	**D81292-5**	**D81292-6**	**D81292-7**	**D81292-8**	**D81292-9**	**D81292-10**
Date Sampled:		**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**
Matrix:		**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**
Metals Analysis											
Lead	mg/l	0.0045	0.0015	0.0015	0.014	0.001	<0.00050	0.0022	<0.00050	0.0023	<0.00050

Client Sample ID:		**CMS-02-813-CF-P**	**CMS-01-317_318-WC-P**	**CMS-01-323-CF-P**	**CMS-01-401-KC-P**	**CMS-01-502-KC-P**					
Lab Sample ID:		**D81292-11**	**D81292-12**	**D81292-13**	**D81292-14**	**D81292-15**					
Date Sampled:		**42459**	**42459**	**42459**	**42459**	**42459**					
Matrix:		**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**					
Metals Analysis											
Lead	mg/l	0.01	<0.00050	0.0011	0.0022	0.0016					

Client Sample ID:

Client Sample ID Format: School-Floor-Room-Outlet-Sample Type

Floor:
- 01 = First floor
- 02 = Second floor

Room:
- ### = Room number ###
- ###-### = Sample between room number ### and room #
- H### = Hallway by room number ###
- BL = Boy's locker room
- CAF = Cafeteria
- FR = Faculty room
- GL = Girl's locker room
- KIT = Kitchen
- MGYM = Main gym
- MO = Main office
- NUR = Nurse's office
- SGYM = Small gym
- TGL = Team girl's locker room
- TL = Teacher's lounge
- TP = Teacher's prep room
- PLR = Pool Locker room

Outlet:
- BF = Bathroom faucet
- CF = Classroom faucet
- DW= Drinking water bubbler
- EC = Home economics room, cold
- KC = Kitchen faucet, cold
- LC = Lounge faucet, cold
- NS = Nurse's office sink
- WC = Water cooler (chiller unit)
- TF or TS = Teacher's faucet or Teacher's sink

Sample Type:
- P = Primary (first draw) sample
- F = Flush sample

APPENDIX A
LABORATORY ANALYTICAL REPORT

e-Hardcopy 2.0
Automated Report

Technical Report for

PARS Environmental Services

WWP Regional, West Windsor-Plainsboro, NJ

CMS

SGS Accutest Job Number: D81292

Sampling Date: 03/30/16

Report to:

PARS Environmental, Inc.
500 Horizon Drive Suite 540
Robbinsville, NJ 08691
ccasciolini@ParsEnviro.com

ATTN: Crista Casciolini

Total number of pages in report: 50

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Cristina Araujo 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY
CO (CO00049), EPA 515.4 Provisional

Sections: 1 2 3 4 5 6

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Sample Summary

PARS Environmental Services

Job No: D81292

WWP Regional, West Windsor-Plainsboro, NJ
Project No: CMS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D81292-1	03/30/16	08:51	MK	03/31/16	DW	Drinking Water	CMS-01-NUR-DW-P
D81292-2	03/30/16	09:01	MK	03/31/16	DW	Drinking Water	CMS-01-KIT-KC-P
D81292-3	03/30/16	09:06	MK	03/31/16	DW	Drinking Water	CMS-01-BL-DW-P
D81292-4	03/30/16	09:12	MK	03/31/16	DW	Drinking Water	CMS-01-GL-DW-P
D81292-5	03/30/16	09:28	MK	03/31/16	DW	Drinking Water	CMS-01-215-DW-P
D81292-6	03/30/16	09:38	MK	03/31/16	DW	Drinking Water	CMS-01-305-KC-P
D81292-7	03/30/16	09:41	MK	03/31/16	DW	Drinking Water	CMS-01-308_310-DW-P
D81292-8	03/30/16	09:47	MK	03/31/16	DW	Drinking Water	CMS-01-H713-DW-P
D81292-9	03/30/16	09:49	MK	03/31/16	DW	Drinking Water	CMS-01-705-CF-P
D81292-10	03/30/16	09:52	MK	03/31/16	DW	Drinking Water	CMS-02-H814-DW-P
D81292-11	03/30/16	09:53	MK	03/31/16	DW	Drinking Water	CMS-02-813-CF-P
D81292-12	03/30/16	10:00	MK	03/31/16	DW	Drinking Water	CMS-01-317_318-WC-P
D81292-13	03/30/16	10:09	MK	03/31/16	DW	Drinking Water	CMS-01-323-CF-P

Sample Summary
(continued)

PARS Environmental Services

Job No: D81292

WWP Regional, West Windsor-Plainsboro, NJ
Project No: CMS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D81292-14	03/30/16	10:15	MK	03/31/16	DW	Drinking Water	CMS-01-401-KC-P
D81292-15	03/30/16	10:20	MK	03/31/16	DW	Drinking Water	CMS-01-502-KC-P

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	PARS Environmental Services	**Job No**	D81292
Site:	WWP Regional, West Windsor-Plainsboro, NJ	**Report Date**	4/14/2016 3:53:57 PM

On 03/31/2016, 15 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 1.2 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D81292 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Metals By Method EPA 200.8

Matrix: DW **Batch ID:** MP18448

- If required based on the turbidity results, all samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D81292-1MS, D81292-1MSD were used as the QC samples for the metals analysis.

Matrix: DW **Batch ID:** MP18449

- If required based on the turbidity results, all samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D81293-1MS, D81293-1MSD were used as the QC samples for the metals analysis.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Summary of Hits

Job Number: D81292
Account: PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ
Collected: 03/30/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D81292-1	**CMS-01-NUR-DW-P**					
Lead		0.0045	0.00050		mg/l	EPA 200.8
D81292-2	**CMS-01-KIT-KC-P**					
Lead		0.0015	0.00050		mg/l	EPA 200.8
D81292-3	**CMS-01-BL-DW-P**					
Lead		0.0015	0.00050		mg/l	EPA 200.8
D81292-4	**CMS-01-GL-DW-P**					
Lead		0.014	0.00050		mg/l	EPA 200.8
D81292-5	**CMS-01-215-DW-P**					
Lead		0.0010	0.00050		mg/l	EPA 200.8
D81292-6	**CMS-01-305-KC-P**					
No hits reported in this sample.						
D81292-7	**CMS-01-308_310-DW-P**					
Lead		0.0022	0.00050		mg/l	EPA 200.8
D81292-8	**CMS-01-H713-DW-P**					
No hits reported in this sample.						
D81292-9	**CMS-01-705-CF-P**					
Lead		0.0023	0.00050		mg/l	EPA 200.8
D81292-10	**CMS-02-H814-DW-P**					
No hits reported in this sample.						
D81292-11	**CMS-02-813-CF-P**					
Lead		0.010	0.00050		mg/l	EPA 200.8

Summary of Hits

Job Number: D81292
Account: PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ
Collected: 03/30/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D81292-12	**CMS-01-317_318-WC-P**					
No hits reported in this sample.						
D81292-13	**CMS-01-323-CF-P**					
Lead		0.0011	0.00050		mg/l	EPA 200.8
D81292-14	**CMS-01-401-KC-P**					
Lead		0.0022	0.00050		mg/l	EPA 200.8
D81292-15	**CMS-01-502-KC-P**					
Lead		0.0016	0.00050		mg/l	EPA 200.8

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	CMS-01-NUR-DW-P		
Lab Sample ID:	D81292-1	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0045	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18448

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	CMS-01-KIT-KC-P		
Lab Sample ID:	D81292-2	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0015	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18448

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	CMS-01-BL-DW-P		
Lab Sample ID:	D81292-3	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0015	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18448

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	CMS-01-GL-DW-P		
Lab Sample ID:	D81292-4	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.014	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18448

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	CMS-01-215-DW-P		
Lab Sample ID:	D81292-5	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0010	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18448

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	CMS-01-305-KC-P		
Lab Sample ID:	D81292-6	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18448

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	CMS-01-308_310-DW-P		
Lab Sample ID:	D81292-7	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0022	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18448

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	CMS-01-H713-DW-P		
Lab Sample ID:	D81292-8	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18448

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	CMS-01-705-CF-P		
Lab Sample ID:	D81292-9	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0023	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18448

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	CMS-02-H814-DW-P		
Lab Sample ID:	D81292-10	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18448

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	CMS-02-813-CF-P		
Lab Sample ID:	D81292-11	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.010	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18449

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	CMS-01-317_318-WC-P		
Lab Sample ID:	D81292-12	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18449

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	CMS-01-323-CF-P		
Lab Sample ID:	D81292-13	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0011	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18449

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	CMS-01-401-KC-P		
Lab Sample ID:	D81292-14	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0022	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18449

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	CMS-01-502-KC-P		
Lab Sample ID:	D81292-15	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0016	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18449

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

PAGE 1 OF 2

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest Job #: D81292

Client / Reporting Information
Company Name: PARS Environmental
Street Address: 500 Horizon Dr, Suite 540
City: Robbinsville State: NJ Zip: 08691
Project Contact: Christa Casciolini E-mail: ccasciolini@parsEnviro.com
Phone #: 609-890-7277 Fax #:
Sampler(s) Name(s): Phone #:

Project Information
Project Name: WWP Regional - CMS
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (If different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet): DW Pb 200.8

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL- Sludge, SED-Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB-Field Blank, EB-Equipment Blank, RB- Rinse Blank, TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	DW Pb 200.8	LAB USE ONLY
	CMS-01-NUR-DW-P		3/30/16	8:51	MK		1			1		X				X	01
	CMS-01-Kit-KC-P			9:01	MK		1			1							02
	CMS-01-BL-DW-P			9:06	MK		1			1							03
	CMS-01-GL-DW-P			9:12	MK		1			1							04
	CMS-01-215-DW-P			9:28	MK		1			1							05
	CMS-01-305-KC-P			9:38	MK		1			1							06
	CMS-01-308_310-DW-P			9:41	MK		1			1							07
	CMS-01-H713-DW-P			9:47	MK		1			1							08
	CMS-01-705-CF-P			9:49	MK		1			1							09
	CMS-02-H814-DW-P			9:52	MK		1			1							10
	CMS-02-813-CF-P			9:53	MK		1			1							11
	CMS-01-317_318-WC-P			10:00	MK		1			1							12

Turnaround Time (Business days)
- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [x] other 2 Week

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery. 1635

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	3/30/16	1 [signature] 3-30-16	2 [signature]	3-30-16	2 [signature] 3/31/16 1050
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # FX	[x] Intact [ ] Not intact	Preserved where applicable [x] T280 On Ice [x] Cooler Temp. 1.9

D81292: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

PAGE 2 OF 2

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: D81292

Client / Reporting Information

Company Name: PARS Environmental
Street Address: 500 Horizon Dr, Suite 540
City: Robbinsville State: NJ Zip: 08691
Project Contact: Christa Cascio lini E-mail: ccascio lini@parsenviro.com
Phone #: 609-890-7277 Fax #:
Sampler(s) Name(s): Phone #:

Project Information

Project Name: WWP Regional - CMS
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Pw
Pb
200.8

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB - Equipment Blank
RB - Rinse Blank
TB - Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE		LAB USE ONLY
	CMS-01-323-CF-P		3/30/16	10:09	MK		1			1						X	13
	CMS-01-401-KC-P		"	10:15	MK		1			1						X	14
	CMS-01-502-KC-P		"	10:20	MK		1			1						X	15

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- ☐ Std. 10 Business Days
- ☐ 5 Day RUSH
- ☐ 3 Day RUSH
- ☐ 2 Day RUSH
- ☐ 1 Day RUSH
- ☑ other 2 week

Emergency & Rush T/A data available VIA Labfax

Data Deliverable Information

- ☐ Commercial "A" (Level 1)
- ☐ Commercial "B" (Level 2)
- ☐ FULLT1 (Level 3+4)
- ☐ NJ Reduced
- ☐ Commercial "C"
- ☐ NJ Data of Known Quality Protocol Reporting
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☐ EDD Format
- ☐ Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

1 Relinquished by Sampler:	Date Time: 3/30/16	1 Received By: M. Mnb 3-30-16	2 Relinquished By:	Date Time: 3-30-16 1630	2 Received By:	3/31/16 1052
3 Relinquished by Sampler:	Date Time:	3 Received By:	4 Relinquished By:	Date Time:	4 Received By:	
5 Relinquished by:	Date Time:	5 Received By:	Custody Seal # FX	☒ Intact ☐ Not Intact	Preserved where applicable ☐	On Ice ☑	Cooler Temp. 1.0

SGS Accutest Sample Receipt Summary

Job Number: D81292 **Client:** PARS **Project:** WWP REGIONAL CMS

Date / Time Received: 3/31/2016 10:50:00 AM **Delivery Method:** **Airbill #'s:** fx

Cooler Temps (Initial/Adjusted): #1: (1.2/1.2);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Comments

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:39	ZZZZZZ	1		
07:42	ZZZZZZ	1		
07:46	MA7209-STD1	1		STDBLK
07:49	MA7209-STD2	1		STD1
07:52	MA7209-STD3	1		STD2
07:55	MA7209-STD4	1		STD3
07:58	MA7209-CRI1	1		Possible analytical problem. See rerun.
08:03	MA7209-CRI2	1		
08:06	MA7209-ICV1	1		
08:09	MA7209-ICB1	1		
08:12	MA7209-CCV1	1		
08:15	MA7209-CCB1	1		
08:18	ZZZZZZ	1		
08:21	MP18448-MB1	1		
08:24	MP18448-B1	1		
08:27	D81292-1	1		
08:30	MP18448-S1	1		
08:34	MA7209-CCV2	1		
08:37	MA7209-CCB2	1		
08:40	MP18448-S2	1		
08:43	D81292-2	1		
08:46	D81292-3	1		
08:49	D81292-4	1		
08:52	D81292-5	1		
08:55	D81292-6	1		
08:58	D81292-7	1		
09:01	D81292-8	1		
09:04	D81292-8	1		
09:04	D81292-9	1		
09:07	D81292-10	1		
09:10	MA7209-CCV3	1		
09:13	MA7209-CCB3	1		
09:17	MP18449-MB1	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:20	MP18449-B1	1		
09:23	D81293-1	1		(sample used for QC only; not part of login D81292)
09:26	MP18449-S1	1		
09:29	MP18449-S2	1		
09:32	D81292-10	1		
09:35	D81292-11	1		
09:38	D81292-12	1		
09:41	D81292-13	1		
09:44	D81292-14	1		
09:47	MA7209-CCV4	1		
09:50	MA7209-CCB4	1		
09:54	D81292-15	1		
---------->	Last reportable sample/prep for job D81292			
09:57	ZZZZZZ	1		
10:00	ZZZZZZ	1		
10:03	ZZZZZZ	1		
10:06	ZZZZZZ	1		
10:09	MP18450-MB1	1		
10:12	MP18450-B1	1		
10:15	D81293-6	1		(sample used for QC only; not part of login D81292)
10:18	MP18450-S1	1		
10:21	MP18450-S2	1		
10:24	MA7209-CCV5	1		
10:28	MA7209-CCB5	1		
---------->	Last reportable CCB for job D81292			
10:31	ZZZZZZ	1		
10:34	ZZZZZZ	1		
10:37	ZZZZZZ	1		
10:40	ZZZZZZ	1		
10:43	ZZZZZZ	1		
10:46	ZZZZZZ	1		
10:49	ZZZZZZ	1		
10:52	ZZZZZZ	1		
10:55	ZZZZZZ	1		
10:58	MP18451-MB1	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:01	MA7209-CCV6	1		
11:04	MA7209-CCB6	1		
11:07	MP18451-B1	1		
11:10	D81294-1	1		(sample used for QC only; not part of login D81292)
11:14	MP18451-S1	1		
11:17	MP18451-S2	1		
11:20	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:26	ZZZZZZ	1		
11:29	ZZZZZZ	1		
11:32	ZZZZZZ	1		
11:35	ZZZZZZ	1		
11:38	MA7209-CCV7	1		
11:41	MA7209-CCB7	1		
11:44	ZZZZZZ	1		
11:47	ZZZZZZ	1		
11:50	ZZZZZZ	1		
11:53	MP18447-MB1	1		
11:56	MP18447-B1	1		
12:00	D81295-1	1		(sample used for QC only; not part of login D81292)
12:03	MP18447-S1	1		
12:06	MP18447-S2	1		
12:09	ZZZZZZ	1		
12:12	ZZZZZZ	1		
12:15	MA7209-CCV8	1		
12:18	MA7209-CCB8	1		
12:21	ZZZZZZ	1		
12:24	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:40	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:43	MP18452-MB1	1		
12:46	MP18452-B1	1		see rerun
12:49	D81333-1	1		(sample used for QC only; not part of login D81292)
12:52	MA7209-CCV9	1		
12:55	MA7209-CCB9	1		
12:58	MP18452-S1	1		
13:01	MP18452-S2	1		
13:04	ZZZZZZ	1		
13:07	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:13	ZZZZZZ	1		
13:17	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:23	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:29	MA7209-CCV10	1		
13:32	MA7209-CCB10	1		
13:35	ZZZZZZ	1		
13:38	MA7209-CCV11	1		
13:41	MA7209-CCB11	1		
14:03	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:09	MP18453-MB1	1		
14:12	MP18453-B1	1		
14:15	D81333-6	1		(sample used for QC only; not part of login D81292)
14:26	MP18453-S1	1		
14:29	MP18453-S2	1		
14:32	ZZZZZZ	1		
14:35	ZZZZZZ	1		
14:38	MP18452-B1	1		
14:41	MA7209-CCV12	1		
14:44	MA7209-CCB12	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
07:39	ZZZZZZ	454198	502850
07:42	ZZZZZZ	443803	488302
07:46	MA7209-STD1	440446 R	488787 R
07:49	MA7209-STD2	432812	477471
07:52	MA7209-STD3	444552	471684
07:55	MA7209-STD4	418479	449504
07:58	MA7209-CRI1	No results reported for the elements associated with this internal standard.	
08:03	MA7209-CRI2	427738	455261
08:06	MA7209-ICV1	441305	467474
08:09	MA7209-ICB1	423330	464361
08:12	MA7209-CCV1	437487	468907
08:15	MA7209-CCB1	425164	462506
08:18	ZZZZZZ	393164	392547
08:21	MP18448-MB1	401369	417516
08:24	MP18448-B1	396977	418679
08:27	D81292-1	411118	413248
08:30	MP18448-S1	415297	409788
08:34	MA7209-CCV2	440520	469021
08:37	MA7209-CCB2	411664	454809
08:40	MP18448-S2	408626	403631
08:43	D81292-2	400515	399454
08:46	D81292-3	401357	405168
08:49	D81292-4	403967	405826
08:52	D81292-5	405563	404771
08:55	D81292-6	410066	408196
08:58	D81292-7	404010	402560
09:01	D81292-8	404652	397730
09:04	D81292-8	402293	401894
09:04	D81292-9	402293	401894
09:07	D81292-10	406563	402074
09:10	MA7209-CCV3	439057	470400
09:13	MA7209-CCB3	421464	456896
09:17	MP18449-MB1	400391	403203

INTERNAL STANDARD SUMMARY

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
09:20	MP18449-B1	399236	410408
09:23	D81293-1	404435	404959
09:26	MP18449-S1	401844	403961
09:29	MP18449-S2	401753	404009
09:32	D81292-10	402501	398455
09:35	D81292-11	406017	393104
09:38	D81292-12	401059	401168
09:41	D81292-13	398197	399160
09:44	D81292-14	399848	400904
09:47	MA7209-CCV4	433177	455140
09:50	MA7209-CCB4	417109	449909
09:54	D81292-15	396983	394592
09:57	ZZZZZZ	391415	390231
10:00	ZZZZZZ	400484	395177
10:03	ZZZZZZ	407978	399118
10:06	ZZZZZZ	409640	396550
10:09	MP18450-MB1	415820	418350
10:12	MP18450-B1	408609	405182
10:15	D81293-6	410586	402601
10:18	MP18450-S1	406917	398840
10:21	MP18450-S2	407613	403050
10:24	MA7209-CCV5	432231	449692
10:28	MA7209-CCB5	423323	449467
10:31	ZZZZZZ	401905	390589
10:34	ZZZZZZ	399604	392980
10:37	ZZZZZZ	409739	393477
10:40	ZZZZZZ	402904	397071
10:43	ZZZZZZ	407746	396539
10:46	ZZZZZZ	415698	400216
10:49	ZZZZZZ	406956	400821
10:52	ZZZZZZ	406046	399513
10:55	ZZZZZZ	402207	397845
10:58	MP18451-MB1	411878	406337

INTERNAL STANDARD SUMMARY

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
11:01	MA7209-CCV6	433782	450090
11:04	MA7209-CCB6	420244	441583
11:07	MP18451-B1	410443	398362
11:10	D81294-1	419007	399880
11:14	MP18451-S1	414012	400717
11:17	MP18451-S2	413388	401939
11:20	ZZZZZZ	403070	398111
11:23	ZZZZZZ	407605	386406
11:26	ZZZZZZ	415288	394425
11:29	ZZZZZZ	405192	392371
11:32	ZZZZZZ	410577	397729
11:35	ZZZZZZ	405172	387233
11:38	MA7209-CCV7	440801	447223
11:41	MA7209-CCB7	421386	436272
11:44	ZZZZZZ	399478	386705
11:47	ZZZZZZ	400781	387378
11:50	ZZZZZZ	413019	389909
11:53	MP18447-MB1	417677	411702
11:56	MP18447-B1	407027	396094
12:00	D81295-1	415831	393077
12:03	MP18447-S1	419655	402165
12:06	MP18447-S2	424122	403599
12:09	ZZZZZZ	402781	384413
12:12	ZZZZZZ	403429	387983
12:15	MA7209-CCV8	435341	436507
12:18	MA7209-CCB8	423104	429492
12:21	ZZZZZZ	412393	385949
12:24	ZZZZZZ	407628	383985
12:27	ZZZZZZ	409041	382610
12:30	ZZZZZZ	407799	385156
12:33	ZZZZZZ	406922	386009
12:36	ZZZZZZ	412740	384586
12:40	ZZZZZZ	401709	382824

INTERNAL STANDARD SUMMARY

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
12:43	MP18452-MB1	420241	401814
12:46	MP18452-B1	419395	397055
12:49	D81333-1	409448	385797
12:52	MA7209-CCV9	430672	429843
12:55	MA7209-CCB9	417749	417025
12:58	MP18452-S1	418230	385399
13:01	MP18452-S2	407146	383643
13:04	ZZZZZZ	408302	371466
13:07	ZZZZZZ	403689	379674
13:10	ZZZZZZ	411539	386596
13:13	ZZZZZZ	403197	370721
13:17	ZZZZZZ	416680	381802
13:20	ZZZZZZ	407648	378587
13:23	ZZZZZZ	406024	374405
13:26	ZZZZZZ	408407	372818
13:29	MA7209-CCV10	435942	413205
13:32	MA7209-CCB10	416214	413753
13:35	ZZZZZZ	404822	362076
13:38	MA7209-CCV11	426568	411895
13:41	MA7209-CCB11	409523	407424
14:03	ZZZZZZ	399108	396795
14:06	ZZZZZZ	402218	391683
14:09	MP18453-MB1	378082	358105
14:12	MP18453-B1	386228	358559
14:15	D81333-6	385509	348769
14:26	MP18453-S1	442219	399666
14:29	MP18453-S2	443365	396207
14:32	ZZZZZZ	449246	398780
14:35	ZZZZZZ	444286	403215
14:38	MP18452-B1	454603	416082
14:41	MA7209-CCV12	468425	438157
14:44	MA7209-CCB12	451676	437854

R = Reference for ISTD limits. ! = Outside limits.

INTERNAL STANDARD SUMMARY

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %
Istd#2	Bismuth	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7209 Units: ug/l

Time: / Sample ID:			08:09 ICB1		08:15 CCB1		08:37 CCB2		09:13 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Copper	2.0	.06	anr							
Lead	0.50	.0079	0.15	<0.50	0.083	<0.50	0.12	<0.50	0.067	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7209 Units: ug/l

Time:			09:50		10:28	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Copper	2.0	.06	anr			
Lead	0.50	.0079	0.071	<0.50	0.11	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		08:06			08:12			08:34	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	100	102	102.0	50	51.4	102.8	50	52.3	104.6

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		09:10			09:47			10:24	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	50	51.6	103.2	50	52.2	104.4	50	51.5	103.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 50 to 150 % Recovery Run ID: MA7209 Units: ug/l

Time:			08:03	
Sample ID:	CRI	CRIA	CRI2	
Metal	True	True	Results	% Rec
Copper	2.0	2.0	anr	
Lead	0.50	0.50	0.51	102.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18448 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	RL	IDL	MDL	MB raw	final
Copper	0.0020	.00006	.00014		
Lead	0.00050	.0000079	.00001	0.00020	<0.00050

Associated samples MP18448: D81292-1, D81292-2, D81292-3, D81292-4, D81292-5, D81292-6, D81292-7, D81292-8, D81292-9, D81292-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18448 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81292-1 Original	MS	Spikelot ICPALL2	% Rec	QC Limits
Copper					
Lead	0.0045	0.20	0.20	97.8	70-130

Associated samples MP18448: D81292-1, D81292-2, D81292-3, D81292-4, D81292-5, D81292-6, D81292-7, D81292-8, D81292-9, D81292-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18448 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81292-1 Original	MSD	Spikelot ICPALL2	% Rec	MSD RPD	QC Limit
Copper						
Lead	0.0045	0.19	0.20	92.8	5.1	20

Associated samples MP18448: D81292-1, D81292-2, D81292-3, D81292-4, D81292-5, D81292-6, D81292-7, D81292-8, D81292-9, D81292-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18448 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	BSP Result	Spikelot ICPALL2	% Rec	QC Limits
Copper				
Lead	0.18	0.20	90.0	85-115

Associated samples MP18448: D81292-1, D81292-2, D81292-3, D81292-4, D81292-5, D81292-6, D81292-7, D81292-8, D81292-9, D81292-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18449 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	RL	IDL	MDL	MB raw	final
Copper	0.0020	.00006	.00014		
Lead	0.00050	.0000079	.00001	0.000021	<0.00050

Associated samples MP18449: D81292-11, D81292-12, D81292-13, D81292-14, D81292-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18449 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81293-1 Original	MS	Spikelot ICPALL2	% Rec	QC Limits
Copper					
Lead	0.00076	0.19	0.20	94.6	70-130

Associated samples MP18449: D81292-11, D81292-12, D81292-13, D81292-14, D81292-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18449 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81293-1 Original	MSD	Spikelot ICPALL2	% Rec	MSD RPD	QC Limit
Copper						
Lead	0.00076	0.19	0.20	94.6	0.0	20

Associated samples MP18449: D81292-11, D81292-12, D81292-13, D81292-14, D81292-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D81292
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18449 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	BSP Result	Spikelot ICPALL2	% Rec	QC Limits
Copper				
Lead	0.19	0.20	95.0	85-115

Associated samples MP18449: D81292-11, D81292-12, D81292-13, D81292-14, D81292-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

APPENDIX B
LABORATORY CERTIFICATION

State of New Jersey

Department of Environmental Protection

Certifies That

SGS Accutest Inc. – Wheat Ridge

Laboratory Certification ID # CO007

is hereby approved as a

Nationally Accredited Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List which must accompany this certificate to be valid

having duly met the requirements of the

Regulations Governing the Certification of Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the 2009 TNI Standard approved by the

The NELAC Institute

Expires June 30, 2016

Joseph F. Aiello
Assistant Director

NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

PARS
Environmental
Inc.

LEAD IN DRINKING WATER TESTING REPORT

WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
DUTCH NECK ELEMENTARY SCHOOL
392 VILLAGE ROAD EAST
WEST WINDSOR, NEW JERSEY 08550

PREPARED FOR:

West Windsor-Plainsboro Regional School District
505 Village Road West
PO Box 505
West Windsor, New Jersey 08550

PREPARED BY:

PARS Environmental, Inc.
500 Horizon Drive, Suite 540
Robbinsville, New Jersey 08691
Tel: 609-890-7277
Fax: 609-890-9116

PARS Project No. 565-84

April 2016

TABLE OF CONTENTS

EXECUTIVE SUMMARY

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at the Dutch Neck Elementary School (DNES). PARS conducted the lead in drinking water testing on March 29, 2016 and April 19, 2016. The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the United States Environmental Protection Agency (USEPA) *3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance (USEPA 3Ts)*. PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

FINDINGS

The USEPA National Primary Drinking Water Regulations requires that immediate action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 milligrams per liter (mg/l). Exceedance of the 0.015 mg/l action level was identified in one sample in the DNES. A total of 12 water samples were collected and analyzed. Laboratory analysis revealed that the room 11 drinking water bubbler was above the action level of 0.015 mg/l. The room 11 drinking water bubbler was initially sampled on March 29, 2016, and re-sampled on April 19, 2016. The lead levels decreased from 0.018 mg/l to 0.0039 mg/l in the primary First Draw sample collected. The lead levels further decreased to 0.00066 mg/l in the 30 Second Flush sample collected. The 0.015 mg/l action level was not exceeded in the re-sampling of the room 11 drinking water bubbler.

Based on the laboratory analytical results, no further investigation is warranted at this time. PARS recommends periodic flushing of the school taps and testing per state and federal regulations.

1.0 INTRODUCTION

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at the Dutch Neck Elementary School (DNES). The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the *USEPA 3Ts*. PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

Sampling methodology is described in Section 2.0, the Lead in Drinking Water Findings are discussed in Section 3.0, and the Conclusions and Recommendations are presented in Section 4.0. A list of the sample locations and results are provided in **Table 1**. The Laboratory Analytical Report and Laboratory NELAC Certification are provided in **Appendix A** and **B**, respectively.

This report is intended for the sole use of WWP. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations, is at risk of said user.

2.0 LEAD IN DRINKING WATER SAMPLING

PARS conducted lead in drinking water testing at the DNES on March 29, 2016 and April 19, 2016. The lead in drinking water sampling was conducted by Christa Casciolini, Melissa Konieczny, and Michael Nixon of PARS.

PARS performed lead in drinking water testing at a total of eight (8) drinking water fountains (bubbler and cooler units) and two (2) faucets in the nurse's office and kitchen locations in the DNES.

All samples were collected following the USEPA First Draw sampling protocol. The First Draw sample collection occurred in the morning prior to the facility opening and before any water was drawn in the building, including toilet flushing. The water was unused for six (6) to eight (8) hours prior to collection. Arrangements were made to sample the water outlets prior to the arrival of teachers and students.

The samples were placed in pre-preserved plastic bottles and submitted for laboratory analysis to SGS Accutest for two-week turnaround. SGS Accutest is a New Jersey Department of Environmental Protection (NJDEP) certified laboratory for lead in drinking water (NELAC #CO007 and #12129). All samples were analyzed using USEPA Method 200.8 for the determination of trace elements in waters and wastes by inductively coupled plasma – mass spectrometry (ICP-MS). Chain-of-custody protocols were followed.

3.0 LEAD IN DRINKING WATER FINDINGS

Exceedance of the 0.015 mg/l action level was identified in one sample in the DNES. A total of 12 water samples were collected and analyzed. Laboratory analysis revealed that the room 11 drinking water bubbler was above the action level of 0.015 mg/l. The room 11 drinking water bubbler was initially sampled on March 29, 2016, and re-sampled on April 19, 2016. The lead levels decreased from 0.018 mg/l to 0.0039 mg/l in the primary First Draw sample collected. The lead levels further decreased to 0.00066 mg/l in the 30 Second Flush sample collected. The 0.015 mg/l action level was not exceeded in the re-sampling of the room 11 drinking water bubbler.

Lead in drinking water tabulated results for the DNES are provided in **Table 1**. The laboratory analytical report is included in **Appendix A.** The laboratory certification is included in **Appendix B**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

A total of eight (8) drinking water fountains and two (2) faucets in the nurse's office and kitchen locations were tested at the DNES. The USEPA recommends that action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 mg/l. Exceedance of the 0.015 mg/l action level was identified in one sample in the DNES. A total of 12 water samples were collected and analyzed. Laboratory analysis revealed that the room 11 drinking water bubbler was above the action level of 0.015 mg/l. The room 11 drinking water bubbler was initially sampled on March 29, 2016, and re-sampled on April 19, 2016. The lead levels decreased from 0.018 mg/l to 0.0039 mg/l in the primary First Draw sample collected. The lead levels further decreased to 0.00066 mg/l in the 30 Second Flush sample collected. The 0.015 mg/l action level was not exceeded in the re-sampling of the room 11 drinking water bubbler.

Based on the laboratory analytical results, no further investigation is warranted at this time. PARS recommends periodic flushing of the school taps and testing per state and federal regulations.

-o0o-

PARS appreciates the opportunity to assist West Windsor-Plainsboro Regional School District with this project. Should you have any questions or comments please feel free to contact us at (609) 890-7277.

Respectfully submitted,

PARS ENVIRONMENTAL, INC.

Christa M. Casciolini
Project Geologist

Margaret Halasnik
Principal Industrial Hygienist

TABLE 1
DRINKING WATER RESULTS TABLE

TABLE 1
LEAD IN DRINKING WATER TESTING REPORT
WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
DUTCH NECK ELEMENTARY SCHOOL
APRIL 2016

All samples are primary (first draw) samples. Except for one (1) 30 second flush sample collected on 4/19/16 during re-sampling of the drinking water bubbler in room 11.
All faucets sampled are cold water, unless noted.
EPA Action limit = 0.015 milligrams per liter (mg/l)

School:	**Dutch Neck Elementary School**
Sampling Date:	**3/29/2016 and 4/19/2016**

Exceeds EPA Action Limit (> 0.015 mg/l)
Hit = result > 0.00050 detection limit

03/29/16 Initial Sampling

Accutest Mountain States										4/15/2016 12:15	
Job Number:	**D81295**										
Account:	**PARS Environmental Services**										
Project:	**WWP Regional, West Windsor-Plainsboro, NJ**										
Project Number:	**Dutch Neck Elementary School**										
										Legend:	**Hit**
Client Sample ID:		**DNE-01-NUR-NS-P**	**DNE-01-H2_3-DW-P**	**DNE-01-11-DW-P**	**DNE-01-H12-DW-P**	**DNE-01-KIT-KC-P**	**DNE-01-17-DW-P**	**DNE-01-H301-WC-P**	**DNE-01-302-DW-P**	**DNE-02-H207-WC-P**	**DNE-02-202-DW-P**
Lab Sample ID:		**D81295-1**	**D81295-2**	**D81295-3**	**D81295-4**	**D81295-5**	**D81295-6**	**D81295-7**	**D81295-8**	**D81295-9**	**D81295-10**
Date Sampled:		**3/29/2016**	**3/29/2016**	**3/29/2016**	**3/29/2016**	**3/29/2016**	**3/29/2016**	**3/29/2016**	**3/29/2016**	**3/29/2016**	**3/29/2016**
Matrix:		**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**
Metals Analysis											
Lead	mg/l	0.014	0.002	0.018	0.002	0.00082	0.0018	<0.00050	<0.00050	<0.00050	0.0032

Footnotes:
[a] Analysis performed at Accutest Laboratories, Wheat Ridge, CO.

04/19/16 Resampling

Accutest New Jersey			**Apr 26, 2016 13:40 pm**
Job Number:	**JC18608**		
Account:	**PARS Environmental Services**		
Project:	**WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ**		
Project Number:	**565-84**		
		Legend:	Hit
Client Sample ID:		**DEN-01-11-DW-P**	**DEN-01-11-DW-F**
Lab Sample ID:		**JC18608-1**	**JC18608-2**
Date Sampled:		**4/19/2016**	**4/19/2016**
Matrix:		**Drinking Water**	**Drinking Water**
Metals Analysis			
Lead	mg/l	0.0039	0.00066

TABLE 1
LEAD IN DRINKING WATER TESTING REPORT
WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
DUTCH NECK ELEMENTARY SCHOOL
APRIL 2016

Client Sample ID Format: School-Floor-Room-Outlet-Sample Type

Floor:	**Room:**	**Outlet:**	**Sample Type:**
01 = First floor	### = Room number ###	BF = Bathroom faucet	P = Primary (first draw) sample
02 = Second floor	###-### = Sample between room number ### and room #	CF = Classroom faucet	F = Flush sample
	H### = Hallway by room number ###	DW= Drinking water bubbler	
	BL = Boy's locker room	EC = Home economics room, cold	
	CAF = Cafeteria	KC = Kitchen faucet, cold	
	FR = Faculty room	LC = Lounge faucet, cold	
	GL = Girl's locker room	NS = Nurse's office sink	
	KIT = Kitchen	WC = Water cooler (chiller unit)	
	MGYM = Main gym	TF or TS = Teacher's faucet or Teacher's sink	
	MO = Main office		
	NUR = Nurse's office		
	SGYM = Small gym		
	TGL = Team girl's locker room		
	TL = Teacher's lounge		
	TP = Teacher's prep room		
	PLR = Pool Locker room		

APPENDIX A
LABORATORY ANALYTICAL REPORTS

e-Hardcopy 2.0
Automated Report

Technical Report for

PARS Environmental Services

WWP Regional, West Windsor-Plainsboro, NJ

DNE

SGS Accutest Job Number: D81295

Sampling Date: 03/29/16

Report to:

PARS Environmental, Inc.
500 Horizon Drive Suite 540
Robbinsville, NJ 08691
ccasciolini@ParsEnviro.com

ATTN: Crista Casciolini

Total number of pages in report: **41**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Cristina Araujo 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY
CO (CO00049), EPA 515.4 Provisional

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6

Table of Contents

Sample Summary

PARS Environmental Services

Job No: D81295

WWP Regional, West Windsor-Plainsboro, NJ
Project No: DNE

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
D81295-1	03/29/16	07:51	MK	03/31/16	DW	Drinking Water	DNE-01-NUR-NS-P
D81295-2	03/29/16	08:00	MK	03/31/16	DW	Drinking Water	DNE-01-H2_3-DW-P
D81295-3	03/29/16	08:06	MK	03/31/16	DW	Drinking Water	DNE-01-11-DW-P
D81295-4	03/29/16	08:09	MK	03/31/16	DW	Drinking Water	DNE-01-H12-DW-P
D81295-5	03/29/16	08:11	MK	03/31/16	DW	Drinking Water	DNE-01-KIT-KC-P
D81295-6	03/29/16	08:16	MK	03/31/16	DW	Drinking Water	DNE-01-17-DW-P
D81295-7	03/29/16	08:21	MK	03/31/16	DW	Drinking Water	DNE-01-H301-WC-P
D81295-8	03/29/16	08:23	MK	03/31/16	DW	Drinking Water	DNE-01-302-DW-P
D81295-9	03/29/16	08:32	MK	03/31/16	DW	Drinking Water	DNE-02-H207-WC-P
D81295-10	03/29/16	08:35	MK	03/31/16	DW	Drinking Water	DNE-02-202-DW-P

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	PARS Environmental Services	**Job No**	D81295
Site:	WWP Regional, West Windsor-Plainsboro, NJ	**Report Date**	4/14/2016 3:55:19 PM

On 03/31/2016, 10 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 4.6 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D81295 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Metals By Method EPA 200.8

Matrix: DW **Batch ID:** MP18447

- If required based on the turbidity results, all samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D81295-1MS, D81295-1MSD were used as the QC samples for the metals analysis.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Summary of Hits

Job Number: D81295
Account: PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ
Collected: 03/29/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D81295-1	**DNE-01-NUR-NS-P**					
Lead		0.014	0.00050		mg/l	EPA 200.8
D81295-2	**DNE-01-H2_3-DW-P**					
Lead		0.0020	0.00050		mg/l	EPA 200.8
D81295-3	**DNE-01-11-DW-P**					
Lead		0.018	0.00050		mg/l	EPA 200.8
D81295-4	**DNE-01-H12-DW-P**					
Lead		0.0020	0.00050		mg/l	EPA 200.8
D81295-5	**DNE-01-KIT-KC-P**					
Lead		0.00082	0.00050		mg/l	EPA 200.8
D81295-6	**DNE-01-17-DW-P**					
Lead		0.0018	0.00050		mg/l	EPA 200.8
D81295-7	**DNE-01-H301-WC-P**					
No hits reported in this sample.						
D81295-8	**DNE-01-302-DW-P**					
No hits reported in this sample.						
D81295-9	**DNE-02-H207-WC-P**					
No hits reported in this sample.						
D81295-10	**DNE-02-202-DW-P**					
Lead		0.0032	0.00050		mg/l	EPA 200.8

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	DNE-01-NUR-NS-P		
Lab Sample ID:	D81295-1	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.014	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18447

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	DNE-01-H2_3-DW-P		
Lab Sample ID:	D81295-2	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0020	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18447

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	DNE-01-11-DW-P		
Lab Sample ID:	D81295-3	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.018	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18447

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	DNE-01-H12-DW-P		
Lab Sample ID:	D81295-4	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0020	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18447

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	DNE-01-KIT-KC-P		
Lab Sample ID:	D81295-5	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.00082	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18447

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	DNE-01-17-DW-P		
Lab Sample ID:	D81295-6	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0018	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18447

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	DNE-01-H301-WC-P		
Lab Sample ID:	D81295-7	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18447

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	DNE-01-302-DW-P		
Lab Sample ID:	D81295-8	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18447

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	DNE-02-H207-WC-P		
Lab Sample ID:	D81295-9	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18447

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	DNE-02-202-DW-P		
Lab Sample ID:	D81295-10	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0032	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18447

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS ACCUTEST

CHAIN OF CUSTODY

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

PAGE 1 OF 1

FED-EX Tracking #: | Bottle Order Control #: D81295
SGS Accutest Quote #: | SGS Accutest Job #: D81295

Client / Reporting Information

Company Name: PARS
Street Address: 500 Horizon Dr., Suite 540
City, State, Zip: Robbinsville, NJ 08691
Project Contact: Christa Casciolini E-mail: ccasciolini@parsenviro.com
Phone #: 609-890-7277 Fax #:
Sampler(s) Name(s): Phone #:

Project Information

Project Name: WWP Regional - DNE
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet): DW PIO 200.8

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	DW PIO 200.8	LAB USE ONLY
1	DNE-01-NUR-NS-P		3/29/16	7:51	MK		1			1						X	A3 / 01
2	DNE-01-H2-3-DW-P		3/29/16	8:00	MK		1			1						X	02
3	DNE-01-11-DW-P		3/29/16	8:06	MK		1			1						X	03
4	DNE-01-H12-DW-P		3/29/16	8:09	MK		1			1						X	04
5	DNE-01-KIT-KC-P		3/29/16	8:11	MK		1			1						X	05
6	DNE-01-17-DW-P		3/29/16	8:16	MK		1			1						X	06
7	DNE-01-H301-WC-P		3/29/16	8:21	MK		1			1						X	07
8	DNE-01-302-DW-P		3/29/16	8:23	MK		1			1						X	08
9	DNE-02-H207-WC-P		3/29/16	8:32	MK		1			1						X	09
10	DNE-02-202-DW-P		3/29/16	8:35	MK		1			1						X	10
																	BS

INITIAL ASSESSMENT SB
LABEL VERIFICATION

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [x] other 2 week

Approved By (SGS Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by	Date Time	Received By	Relinquished By	Date Time	Received By
1 (signature)	3/29/16 1605	1 (signature) 3-29-16	2 (signature)	3-29-16 1714	2 (signature)
3 (signature)	3/30/16 1700	3 FedEx	4 FedEx		4 (signature) 3-31-16 1040
5		5	Custody Seal # 701	☐ Intact ☐ Not intact	Preserved where applicable ☑ JK; On Ice ☑; Cooler Temp. 4.6

D81295: Chain of Custody
Page 1 of 2

5.1
5

SGS Accutest Sample Receipt Summary

Job Number: D81295 **Client:** PARS **Project:** WWP REGIONAL DNE

Date / Time Received: 3/31/2016 10:40:00 AM **Delivery Method:** **Airbill #'s:** fx

Cooler Temps (Initial/Adjusted): #1: (4.6/4.6);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Comments

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

D81295: Chain of Custody
Page 2 of 2

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:39	ZZZZZZ	1		
07:42	ZZZZZZ	1		
07:46	MA7209-STD1	1		STDBLK
07:49	MA7209-STD2	1		STD1
07:52	MA7209-STD3	1		STD2
07:55	MA7209-STD4	1		STD3
07:58	MA7209-CRI1	1		Possible analytical problem. See rerun.
08:03	MA7209-CRI2	1		
08:06	MA7209-ICV1	1		
08:09	MA7209-ICB1	1		
08:12	MA7209-CCV1	1		
08:15	MA7209-CCB1	1		
08:18	ZZZZZZ	1		
08:21	MP18448-MB1	1		
08:24	MP18448-B1	1		
08:27	D81292-1	1		(sample used for QC only; not part of login D81295)
08:30	MP18448-S1	1		
08:34	MA7209-CCV2	1		
08:37	MA7209-CCB2	1		
08:40	MP18448-S2	1		
08:43	ZZZZZZ	1		
08:46	ZZZZZZ	1		
08:49	ZZZZZZ	1		
08:52	ZZZZZZ	1		
08:55	ZZZZZZ	1		
08:58	ZZZZZZ	1		
09:01	ZZZZZZ	1		
09:04	ZZZZZZ	1		
09:04	ZZZZZZ	1		
09:07	ZZZZZZ	1		
09:10	MA7209-CCV3	1		
09:13	MA7209-CCB3	1		
09:17	MP18449-MB1	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:20	MP18449-B1	1		
09:23	D81293-1	1		(sample used for QC only; not part of login D81295)
09:26	MP18449-S1	1		
09:29	MP18449-S2	1		
09:32	ZZZZZZ	1		
09:35	ZZZZZZ	1		
09:38	ZZZZZZ	1		
09:41	ZZZZZZ	1		
09:44	ZZZZZZ	1		
09:47	MA7209-CCV4	1		
09:50	MA7209-CCB4	1		
09:54	ZZZZZZ	1		
09:57	ZZZZZZ	1		
10:00	ZZZZZZ	1		
10:03	ZZZZZZ	1		
10:06	ZZZZZZ	1		
10:09	MP18450-MB1	1		
10:12	MP18450-B1	1		
10:15	D81293-6	1		(sample used for QC only; not part of login D81295)
10:18	MP18450-S1	1		
10:21	MP18450-S2	1		
10:24	MA7209-CCV5	1		
10:28	MA7209-CCB5	1		
10:31	ZZZZZZ	1		
10:34	ZZZZZZ	1		
10:37	ZZZZZZ	1		
10:40	ZZZZZZ	1		
10:43	ZZZZZZ	1		
10:46	ZZZZZZ	1		
10:49	ZZZZZZ	1		
10:52	ZZZZZZ	1		
10:55	ZZZZZZ	1		
10:58	MP18451-MB1	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:01	MA7209-CCV6	1		
11:04	MA7209-CCB6	1		
11:07	MP18451-B1	1		
11:10	D81294-1	1		(sample used for QC only; not part of login D81295)
11:14	MP18451-S1	1		
11:17	MP18451-S2	1		
11:20	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:26	ZZZZZZ	1		
11:29	ZZZZZZ	1		
11:32	ZZZZZZ	1		
11:35	ZZZZZZ	1		
11:38	MA7209-CCV7	1		
11:41	MA7209-CCB7	1		
11:44	ZZZZZZ	1		
11:47	ZZZZZZ	1		
11:50	ZZZZZZ	1		
11:53	MP18447-MB1	1		
11:56	MP18447-B1	1		
12:00	D81295-1	1		
12:03	MP18447-S1	1		
12:06	MP18447-S2	1		
12:09	D81295-2	1		
12:12	D81295-3	1		
12:15	MA7209-CCV8	1		
12:18	MA7209-CCB8	1		
12:21	D81295-4	1		
12:24	D81295-5	1		
12:27	D81295-6	1		
12:30	D81295-7	1		
12:33	D81295-8	1		
12:36	D81295-9	1		
12:40	D81295-10	1		

----------> Last reportable sample/prep for job D81295

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:43	MP18452-MB1	1		
12:46	MP18452-B1	1		see rerun
12:49	D81333-1	1		(sample used for QC only; not part of login D81295)
12:52	MA7209-CCV9	1		
12:55	MA7209-CCB9	1		
---------->	Last reportable CCB for job D81295			
12:58	MP18452-S1	1		
13:01	MP18452-S2	1		
13:04	ZZZZZZ	1		
13:07	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:13	ZZZZZZ	1		
13:17	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:23	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:29	MA7209-CCV10	1		
13:32	MA7209-CCB10	1		
13:35	ZZZZZZ	1		
13:38	MA7209-CCV11	1		
13:41	MA7209-CCB11	1		
14:03	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:09	MP18453-MB1	1		
14:12	MP18453-B1	1		
14:15	D81333-6	1		(sample used for QC only; not part of login D81295)
14:26	MP18453-S1	1		
14:29	MP18453-S2	1		
14:32	ZZZZZZ	1		
14:35	ZZZZZZ	1		
14:38	MP18452-B1	1		
14:41	MA7209-CCV12	1		
14:44	MA7209-CCB12	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
07:39	ZZZZZZ	454198	502850
07:42	ZZZZZZ	443803	488302
07:46	MA7209-STD1	440446 R	488787 R
07:49	MA7209-STD2	432812	477471
07:52	MA7209-STD3	444552	471684
07:55	MA7209-STD4	418479	449504
07:58	MA7209-CRI1	No results reported for the elements associated with this internal standard.	
08:03	MA7209-CRI2	427738	455261
08:06	MA7209-ICV1	441305	467474
08:09	MA7209-ICB1	423330	464361
08:12	MA7209-CCV1	437487	468907
08:15	MA7209-CCB1	425164	462506
08:18	ZZZZZZ	393164	392547
08:21	MP18448-MB1	401369	417516
08:24	MP18448-B1	396977	418679
08:27	D81292-1	411118	413248
08:30	MP18448-S1	415297	409788
08:34	MA7209-CCV2	440520	469021
08:37	MA7209-CCB2	411664	454809
08:40	MP18448-S2	408626	403631
08:43	ZZZZZZ	400515	399454
08:46	ZZZZZZ	401357	405168
08:49	ZZZZZZ	403967	405826
08:52	ZZZZZZ	405563	404771
08:55	ZZZZZZ	410066	408196
08:58	ZZZZZZ	404010	402560
09:01	ZZZZZZ	404652	397730
09:04	ZZZZZZ	402293	401894
09:04	ZZZZZZ	402293	401894
09:07	ZZZZZZ	406563	402074
09:10	MA7209-CCV3	439057	470400
09:13	MA7209-CCB3	421464	456896
09:17	MP18449-MB1	400391	403203

INTERNAL STANDARD SUMMARY

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
09:20	MP18449-B1	399236	410408
09:23	D81293-1	404435	404959
09:26	MP18449-S1	401844	403961
09:29	MP18449-S2	401753	404009
09:32	ZZZZZZ	402501	398455
09:35	ZZZZZZ	406017	393104
09:38	ZZZZZZ	401059	401168
09:41	ZZZZZZ	398197	399160
09:44	ZZZZZZ	399848	400904
09:47	MA7209-CCV4	433177	455140
09:50	MA7209-CCB4	417109	449909
09:54	ZZZZZZ	396983	394592
09:57	ZZZZZZ	391415	390231
10:00	ZZZZZZ	400484	395177
10:03	ZZZZZZ	407978	399118
10:06	ZZZZZZ	409640	396550
10:09	MP18450-MB1	415820	418350
10:12	MP18450-B1	408609	405182
10:15	D81293-6	410586	402601
10:18	MP18450-S1	406917	398840
10:21	MP18450-S2	407613	403050
10:24	MA7209-CCV5	432231	449692
10:28	MA7209-CCB5	423323	449467
10:31	ZZZZZZ	401905	390589
10:34	ZZZZZZ	399604	392980
10:37	ZZZZZZ	409739	393477
10:40	ZZZZZZ	402904	397071
10:43	ZZZZZZ	407746	396539
10:46	ZZZZZZ	415698	400216
10:49	ZZZZZZ	406956	400821
10:52	ZZZZZZ	406046	399513
10:55	ZZZZZZ	402207	397845
10:58	MP18451-MB1	411878	406337

INTERNAL STANDARD SUMMARY

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
11:01	MA7209-CCV6	433782	450090
11:04	MA7209-CCB6	420244	441583
11:07	MP18451-B1	410443	398362
11:10	D81294-1	419007	399880
11:14	MP18451-S1	414012	400717
11:17	MP18451-S2	413388	401939
11:20	ZZZZZZ	403070	398111
11:23	ZZZZZZ	407605	386406
11:26	ZZZZZZ	415288	394425
11:29	ZZZZZZ	405192	392371
11:32	ZZZZZZ	410577	397729
11:35	ZZZZZZ	405172	387233
11:38	MA7209-CCV7	440801	447223
11:41	MA7209-CCB7	421386	436272
11:44	ZZZZZZ	399478	386705
11:47	ZZZZZZ	400781	387378
11:50	ZZZZZZ	413019	389909
11:53	MP18447-MB1	417677	411702
11:56	MP18447-B1	407027	396094
12:00	D81295-1	415831	393077
12:03	MP18447-S1	419655	402165
12:06	MP18447-S2	424122	403599
12:09	D81295-2	402781	384413
12:12	D81295-3	403429	387983
12:15	MA7209-CCV8	435341	436507
12:18	MA7209-CCB8	423104	429492
12:21	D81295-4	412393	385949
12:24	D81295-5	407628	383985
12:27	D81295-6	409041	382610
12:30	D81295-7	407799	385156
12:33	D81295-8	406922	386009
12:36	D81295-9	412740	384586
12:40	D81295-10	401709	382824

INTERNAL STANDARD SUMMARY

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
12:43	MP18452-MB1	420241	401814
12:46	MP18452-B1	419395	397055
12:49	D81333-1	409448	385797
12:52	MA7209-CCV9	430672	429843
12:55	MA7209-CCB9	417749	417025
12:58	MP18452-S1	418230	385399
13:01	MP18452-S2	407146	383643
13:04	ZZZZZZ	408302	371466
13:07	ZZZZZZ	403689	379674
13:10	ZZZZZZ	411539	386596
13:13	ZZZZZZ	403197	370721
13:17	ZZZZZZ	416680	381802
13:20	ZZZZZZ	407648	378587
13:23	ZZZZZZ	406024	374405
13:26	ZZZZZZ	408407	372818
13:29	MA7209-CCV10	435942	413205
13:32	MA7209-CCB10	416214	413753
13:35	ZZZZZZ	404822	362076
13:38	MA7209-CCV11	426568	411895
13:41	MA7209-CCB11	409523	407424
14:03	ZZZZZZ	399108	396795
14:06	ZZZZZZ	402218	391683
14:09	MP18453-MB1	378082	358105
14:12	MP18453-B1	386228	358559
14:15	D81333-6	385509	348769
14:26	MP18453-S1	442219	399666
14:29	MP18453-S2	443365	396207
14:32	ZZZZZZ	449246	398780
14:35	ZZZZZZ	444286	403215
14:38	MP18452-B1	454603	416082
14:41	MA7209-CCV12	468425	438157
14:44	MA7209-CCB12	451676	437854

R = Reference for ISTD limits. ! = Outside limits.

INTERNAL STANDARD SUMMARY

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %
Istd#2	Bismuth	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7209 Units: ug/l

Time: / Sample ID:			08:09 ICB1		08:15 CCB1		08:37 CCB2		09:13 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Copper	2.0	.06	anr							
Lead	0.50	.0079	0.15	<0.50	0.083	<0.50	0.12	<0.50	0.067	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7209 Units: ug/l

Time: / Sample ID:			09:50 CCB4		10:28 CCB5		11:04 CCB6		11:41 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Copper	2.0	.06	anr							
Lead	0.50	.0079	0.071	<0.50	0.11	<0.50	0.088	<0.50	0.077	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7209 Units: ug/l

Time:			12:18		12:55	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Copper	2.0	.06	anr			
Lead	0.50	.0079	0.095	<0.50	0.095	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		08:06			08:12			08:34	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	100	102	102.0	50	51.4	102.8	50	52.3	104.6

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		09:10			09:47			10:24	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	50	51.6	103.2	50	52.2	104.4	50	51.5	103.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		11:01			11:38			12:15	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	50	52.1	104.2	50	50.4	100.8	50	51.1	102.2

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		12:52	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Copper	anr		
Lead	50	49.6	99.2

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 50 to 150 % Recovery Run ID: MA7209 Units: ug/l

Time:			08:03	
Sample ID:	CRI	CRIA	CRI2	
Metal	True	True	Results	% Rec
Copper	2.0	2.0	anr	
Lead	0.50	0.50	0.51	102.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18447 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	RL	IDL	MDL	MB raw	final
Copper	0.0020	.00006	.00014		
Lead	0.00050	.0000079	.00001	0.000011	<0.00050

Associated samples MP18447: D81295-1, D81295-2, D81295-3, D81295-4, D81295-5, D81295-6, D81295-7, D81295-8, D81295-9, D81295-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18447 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81295-1 Original	MS	Spikelot ICPALL2	% Rec	QC Limits
Copper					
Lead	0.014	0.18	0.20	83.0	70-130

Associated samples MP18447: D81295-1, D81295-2, D81295-3, D81295-4, D81295-5, D81295-6, D81295-7, D81295-8, D81295-9, D81295-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18447 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81295-1 Original	MSD	Spikelot ICPALL2	% Rec	MSD RPD	QC Limit
Copper						
Lead	0.014	0.17	0.20	78.0	5.7	20

Associated samples MP18447: D81295-1, D81295-2, D81295-3, D81295-4, D81295-5, D81295-6, D81295-7, D81295-8, D81295-9, D81295-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D81295
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18447 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	BSP Result	Spikelot ICPALL2	% Rec	QC Limits
Copper				
Lead	0.19	0.20	95.0	85-115

Associated samples MP18447: D81295-1, D81295-2, D81295-3, D81295-4, D81295-5, D81295-6, D81295-7, D81295-8, D81295-9, D81295-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

e-Hardcopy 2.0
Automated Report

Technical Report for

PARS Environmental Services

WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ

565-84

SGS Accutest Job Number: JC18608

Sampling Date: 04/19/16

Report to:

PARS Environmental, Inc.
500 Horizon Drive Suite 540
Robbinsville, NJ 08691
RTorres@ParsEnviro.com

ATTN: Rafael Torres

Total number of pages in report: **30**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

Sections: 1 2 3 4 5 6

Table of Contents

Sample Summary

PARS Environmental Services

Job No: JC18608

WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ
Project No: 565-84

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JC18608-1	04/19/16	06:10	MN	04/19/16	DW	Drinking Water	DEN-01-11-DW-P
JC18608-2	04/19/16	06:11	MN	04/19/16	DW	Drinking Water	DEN-01-11-DW-F

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	PARS Environmental Services	**Job No**	JC18608
Site:	WWP Schools-Dutch Neck, 321 Village Road East, West Windsor,	**Report Date**	4/25/2016 5:09:16 PM

On 04/19/2016, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 5.6 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JC18608 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

Metals By Method EPA 200.8

Matrix: DW **Batch ID:** MP93239

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC18578-1MS, JC18578-1MSD were used as the QC samples for metals.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JC18608
Account: PARS Environmental Services
Project: WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ
Collected: 04/19/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC18608-1	**DEN-01-11-DW-P**					
Lead		0.0039	0.00050		mg/l	EPA 200.8
JC18608-2	**DEN-01-11-DW-F**					
Lead		0.00066	0.00050		mg/l	EPA 200.8

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	DEN-01-11-DW-P		
Lab Sample ID:	JC18608-1	**Date Sampled:**	04/19/16
Matrix:	DW - Drinking Water	**Date Received:**	04/19/16
		Percent Solids:	n/a
Project:	WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0039	0.015	0.00050	mg/l	1	04/20/16	04/20/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39225
(2) Prep QC Batch: MP93239

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	DEN-01-11-DW-F		
Lab Sample ID:	JC18608-2	**Date Sampled:**	04/19/16
Matrix:	DW - Drinking Water	**Date Received:**	04/19/16
		Percent Solids:	n/a
Project:	WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.00066	0.015	0.00050	mg/l	1	04/20/16	04/20/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39225
(2) Prep QC Batch: MP93239

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ACCUTEST LABORATORIES

DW

CHAIN OF CUSTODY

PAGE ___ OF ___

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking # | Bottle Order Control #

Accutest Quote # | Accutest Job # JC18608

Client / Reporting Information

Company Name: PARS Environmental Inc.
Street Address: 500 Horizon Drive, Suite 540
City State Zip: Robbinsville, NJ 08691
Project Contact: Rafael L. Torres, III | E-mail:
Phone #: 609-890-7277 | Fax #: 609-890-9116
Sampler(s) Name(s): Mike Nixon | Phone #: 609-414-2188

Project Information

Project Name: WWP Schools - Dutch Neck
Street: 321 Village Road East
City State: West Windsor NJ
Project #: 565-84
Client Purchase Order #:
Project Manager: Rafael L. Torres, III

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	PBMS
1	DEN-01-11-DW-P		4/19/16	0610	MN	DW	1			1						1
2	DEN-01-11-DW-F		4/19/16	0611	MN	DW	1			1						1

LAB USE ONLY: AIS

INITIAL ASSESSMENT JH 4/20

LABEL VERIFICATION AM

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [X] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] other

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:
1		4-19-16 1545	1
2	Relinquished By:	Date Time: 4-19-16 1645	Received By: 2
3	Relinquished By:	Date Time:	Received By: 3
4	Relinquished By:	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5

Custody Seal # | [ ] Intact [ ] Not Intact | Preserved where applicable [✓] | On Ice [ ] | Cooler Temp. 5.1 2

JH

JC18608: Chain of Custody
Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: JC18608 **Client:** _____ **Project:** _____

Date / Time Received: 4/19/2016 4:45:00 PM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (5.2);

Cooler Temps (Corrected) °C: Cooler 1: (5.6);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Internal Sample Tracking Chronicle

PARS Environmental Services

Job No: JC18608

WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ
Project No: 565-84

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC18608-1	Collected: 19-APR-16 06:10 By: MN			Received: 19-APR-16	By: AS	
DEN-01-11-DW-P						
JC18608-1	EPA 200.8	20-APR-16 13:17	JO	20-APR-16	JO	PBMS
JC18608-2	Collected: 19-APR-16 06:11 By: MN			Received: 19-APR-16	By: AS	
DEN-01-11-DW-F						
JC18608-2	EPA 200.8	20-APR-16 13:21	JO	20-APR-16	JO	PBMS

SGS Accutest Internal Chain of Custody

Job Number: JC18608
Account: PARS PARS Environmental Services
Project: WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ
Received: 04/19/16

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC18608-1.1	Secured Storage	Sahara Feliciano	04/20/16 08:28	Retrieve from Storage
JC18608-1.1	Sahara Feliciano	Secured Staging Area	04/20/16 08:28	Return to Storage
JC18608-1.1	Secured Staging Area	Jaclyn O'Connor	04/20/16 09:01	Retrieve from Storage
JC18608-1.1	Jaclyn O'Connor	Secured Storage	04/20/16 14:40	Return to Storage
JC18608-1.1	Secured Storage	Christopher Hall	04/20/16 15:46	Retrieve from Storage
JC18608-1.1	Christopher Hall	Secured Staging Area	04/20/16 15:47	Return to Storage
JC18608-1.1	Secured Staging Area	Christopher Hall	04/20/16 15:47	Retrieve from Storage
JC18608-1.1	Shirley Grzybowski	Secured Storage	04/23/16 07:21	Return to Storage
Analyst unavailable for custody transfer.				
JC18608-2.1	Secured Storage	Sahara Feliciano	04/20/16 08:28	Retrieve from Storage
JC18608-2.1	Sahara Feliciano	Secured Staging Area	04/20/16 08:28	Return to Storage
JC18608-2.1	Secured Staging Area	Jaclyn O'Connor	04/20/16 09:01	Retrieve from Storage
JC18608-2.1	Jaclyn O'Connor	Secured Storage	04/20/16 14:40	Return to Storage
JC18608-2.1	Secured Storage	Christopher Hall	04/20/16 15:46	Retrieve from Storage
JC18608-2.1	Christopher Hall	Secured Staging Area	04/20/16 15:47	Return to Storage
JC18608-2.1	Secured Staging Area	Christopher Hall	04/20/16 15:47	Retrieve from Storage
JC18608-2.1	Shirley Grzybowski	Secured Storage	04/23/16 07:21	Return to Storage
Analyst unavailable for custody transfer.				

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC18608
Account: PARS - PARS Environmental Services
Project: WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39225
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:13	MA39225-STD1	1		STDA
10:17	MA39225-STD2	1		STDA
10:20	MA39225-STD3	1		STDA
10:23	MA39225-STD4	1		STDB1
10:26	MA39225-STD5	1		STDB
10:30	MA39225-STD6	1		STDC
10:33	MA39225-STD7	1		STDD
10:36	MA39225-STD8	1		STDE
10:39	MA39225-STD9	1		STDF
10:43	MA39225-STD10	1		STDG
10:46	MA39225-STD11	1		STDH
10:49	MA39225-STD12	1		STDI
10:53	MA39225-STD13	1		STDJ
11:02	ZZZZZZ	1		
11:06	MA39225-ICVA1	1		
11:09	MA39225-ICV1	1		60ppb Al.
11:12	MA39225-ICB1	1		
11:16	MA39225-CRI1	1		
11:19	MA39225-CRIA1	1		0.3ppb Be, 1ppb As and Se
11:22	MA39225-CCVA1	1		
11:26	MA39225-CCB1	1		
11:29	MP93240-MB1	1		
11:32	MP93240-B1	1		
11:35	MP93240-S1	1		To reanalysis, FB used as QC
11:39	MP93240-S2	1		To reanalysis, FB used as QC
11:42	JC18558-2	1		(sample used for QC only; not part of login JC18608)
11:45	ZZZZZZ	1		
11:49	ZZZZZZ	1		
11:52	ZZZZZZ	1		
11:55	MA39225-CCVA2	1		
11:59	MA39225-CCB2	1		
12:03	ZZZZZZ	1		
12:06	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC18608
Account: PARS - PARS Environmental Services
Project: WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39225
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:10	MP93240-B1	2		Ag
12:13	MP93240-S1	2		Not needed
12:16	MP93240-S2	2		Not needed
12:20	MP93240-S1	1		Ag
12:24	MA39225-CCVA3	1		
12:27	MA39225-CCB3	1		
12:30	MP93239-MB1	1		
12:34	MP93239-B1	1		
12:37	MP93239-S1	1		
12:40	MP93239-S2	1		
12:44	ZZZZZZ	1		
12:47	JC18578-1	1		(sample used for QC only; not part of login JC18608)
12:50	ZZZZZZ	1		
12:54	ZZZZZZ	1		
12:57	ZZZZZZ	1		
13:00	MA39225-CCVA4	1		
13:04	MA39225-CCB4	1		
13:07	ZZZZZZ	1		
13:11	ZZZZZZ	1		
13:14	ZZZZZZ	1		
13:17	JC18608-1	1		
13:21	JC18608-2	1		
---------->	Last reportable sample/prep for job JC18608			
13:24	MA39225-CCVA5	1		
13:28	MA39225-CCB5	1		
---------->	Last reportable CCB for job JC18608			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JC18608
Account: PARS - PARS Environmental Services
Project: WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39225
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
10:13	MA39225-STD1	100	100	100	100	100	100	100	100
10:17	MA39225-STD2	100	100	100	100	100	100	100	100
10:20	MA39225-STD3	100	100	100	100	100	100	100	100
10:23	MA39225-STD4	97.136	100.109	99.561	99.894	98.21	99.583	100.206	100.63
10:26	MA39225-STD5	101.693	100.647	101.766	100.965	99.612	100.872	101.65	102.393
10:30	MA39225-STD6	98.284	99.834	101.03	100.644	100.017	100.176	100.852	101.396
10:33	MA39225-STD7	98.599	99.974	100.638	100.73	99.689	99.619	100.899	101.788
10:36	MA39225-STD8	97.958	99.632	100.451	100.08	99.249	100.486	101.413	101.361
10:39	MA39225-STD9	99.138	98.591	99.784	101.28	98.602	99.536	100.539	101.681
10:43	MA39225-STD10	98.083	100.336	100.348	100.016	99.373	100.65	100.264	101.467
10:46	MA39225-STD11	99.312	99.829	100.302	100.779	98.827	100.791	101.614	102.107
10:49	MA39225-STD12	96.135	98.643	99.745	99.27	96.553	98.533	100.237	101.613
10:53	MA39225-STD13	96.667	99.986	101.866	99.976	96.577	99.371	101.404	102.498
11:02	ZZZZZZ	101.15	102.874	102.6	103.465	101.676	101.813	101.364	101.571
11:06	MA39225-ICVA1	99.621	100.65	102.413	102.603	98.268	100.467	101.872	103.022
11:09	MA39225-ICV1	99.284	100.065	100.578	100.934	99.631	100.382	100.699	101.331
11:12	MA39225-ICB1	101.772	101.299	101.574	102.309	100.269	101.212	100.726	101.775
11:16	MA39225-CRI1	103.191	101.487	101.802	102.612	100.562	101.989	102.189	102.51
11:19	MA39225-CRIA1	102.388	100.791	101.076	101.311	101.02	101.674	100.868	101.758
11:22	MA39225-CCVA1	105.243	102.025	102.666	101.204	98.976	100.591	102.794	103.722
11:26	MA39225-CCB1	104.41	100.998	100.111	100.443	100.072	101.211	100.949	102.177
11:29	MP93240-MB1	103.833	102.082	101.447	101.798	100.626	101.429	101.543	102.27
11:32	MP93240-B1	105.038	101.973	101.762	102.449	99.762	101.323	101.722	103.105
11:35	MP93240-S1	No results reported for the elements associated with this internal standard.							
11:39	MP93240-S2	No results reported for the elements associated with this internal standard.							
11:42	JC18558-2	122.105	103.478	102.754	104.284	102.779	103.229	103.53	105.186
11:45	ZZZZZZ	118.515	102.114	102.017	102.763	96.27	101.457	102.957	104.124
11:49	ZZZZZZ	120.827	102.137	102.434	102.788	96.758	101.583	103.919	106.015
11:52	ZZZZZZ	126.237	!a102.526	102.168	102.932	99.78	104.033	105.656	107.127
11:55	MA39225-CCVA2	110.891	100.431	100.322	100.636	96.85	98.51	101.64	102.81
11:59	MA39225-CCB2	110.071	100.531	99.881	99.991	99.176	99.896	99.77	101.414
12:03	ZZZZZZ	117.916	101.317	100.808	101.629	95.472	99.812	101.712	103.33
12:06	ZZZZZZ	121.735	102.325	101.834	102.631	97.801	102.345	104.783	105.508

INTERNAL STANDARD SUMMARY

Login Number: JC18608
Account: PARS - PARS Environmental Services
Project: WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39225
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
12:10	MP93240-B1	108.892	98.815	98.794	99.089	97.406	98.312	98.688	99.524
12:13	MP93240-S1	No results reported for the elements associated with this internal standard.							
12:16	MP93240-S2	No results reported for the elements associated with this internal standard.							
12:20	MP93240-S1	No results reported for the elements associated with this internal standard.							
12:24	MA39225-CCVA3	109.476	97.422	97.657	97.844	94.868	97.472	99.595	100.945
12:27	MA39225-CCB3	106.052	97.307	96.198	96.016	96.516	96.739	97.65	99.734
12:30	MP93239-MB1	107.104	96.636	95.749	95.961	96.2	96.985	97.427	98.175
12:34	MP93239-B1	105.706	97.314	97.781	98.369	95.633	96.475	97.973	99.381
12:37	MP93239-S1	118.238	99.873	99.742	100.837	96.453	99.346	101.996	103.612
12:40	MP93239-S2	117.812	96.894	97.211	98.43	93.906	97.311	100.812	102.342
12:44	ZZZZZZ	110.394	95.257	95.335	96.402	95.165	96.771	97.271	98.386
12:47	JC18578-1	117.767	98.111	97.517	99.116	94.084	96.427	99.447	101.276
12:50	ZZZZZZ	120.903	98.03	98.046	98.192	94.212	98.739	100.707	102.592
12:54	ZZZZZZ	121.069	97.952	98.449	98.978	94.767	98.714	101.634	103.838
12:57	ZZZZZZ	125.345	!a101.104	99.124	101.001	97.389	101.317	103.868	105.776
13:00	MA39225-CCVA4	111.684	95.019	95.504	95.068	93.41	95.257	98.603	100.406
13:04	MA39225-CCB4	108.561	95.146	93.067	94.484	93.779	95.648	95.668	96.727
13:07	ZZZZZZ	115.934	91.858	90.804	91.386	88.169	91.588	96.387	98.4
13:11	ZZZZZZ	126.404	!a98.252	99.178	99.658	97.116	100.844	103.898	106.355
13:14	ZZZZZZ	123.8	97.223	98.112	98.421	95.338	99.116	102.1	104.269
13:17	JC18608-1	122.23	98.942	98.354	99.57	95.146	98.735	103.358	104.843
13:21	JC18608-2	122.261	101.136	101.712	101.294	97.456	100.899	103.808	106.488
13:24	MA39225-CCVA5	112.678	99.422	100.03	99.454	97.33	99.18	103.883	104.777
13:28	MA39225-CCB5	108.781	98.619	99.215	99.4	98.215	98.274	99.497	101.455

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Lithium	60-125 %
Istd#2	Scandium	60-125 %
Istd#3	Germanium (72-1)	60-125 %
Istd#4	Germanium (74-1)	60-125 %
Istd#5	Rhodium	60-125 %
Istd#6	Indium	60-125 %
Istd#7	Terbium	60-125 %
Istd#8	Holmium	60-125 %

(a) No samples reported for the elements associated with this internal standard.

INTERNAL STANDARD SUMMARY

Login Number: JC18608
Account: PARS - PARS Environmental Services
Project: WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39225
Parameters: Pb

Time	Sample Description	Istd#9
10:13	MA39225-STD1	100
10:17	MA39225-STD2	100
10:20	MA39225-STD3	100
10:23	MA39225-STD4	100.54
10:26	MA39225-STD5	101.62
10:30	MA39225-STD6	101.19
10:33	MA39225-STD7	102.137
10:36	MA39225-STD8	102.603
10:39	MA39225-STD9	102.713
10:43	MA39225-STD10	100.454
10:46	MA39225-STD11	101.155
10:49	MA39225-STD12	99.869
10:53	MA39225-STD13	99.487
11:02	ZZZZZZ	100.847
11:06	MA39225-ICVA1	102.055
11:09	MA39225-ICV1	101.34
11:12	MA39225-ICB1	101.642
11:16	MA39225-CRI1	102.242
11:19	MA39225-CRIA1	102.023
11:22	MA39225-CCVA1	101.517
11:26	MA39225-CCB1	102.023
11:29	MP93240-MB1	101.889
11:32	MP93240-B1	102.405
11:35	MP93240-S1	No results reported for the elements associated with this internal standard.
11:39	MP93240-S2	No results reported for the elements associated with this internal standard.
11:42	JC18558-2	105.996
11:45	ZZZZZZ	101.353
11:49	ZZZZZZ	103.168
11:52	ZZZZZZ	110.851
11:55	MA39225-CCVA2	101.56
11:59	MA39225-CCB2	101.351
12:03	ZZZZZZ	99.33
12:06	ZZZZZZ	101.898

INTERNAL STANDARD SUMMARY

Login Number: JC18608
Account: PARS - PARS Environmental Services
Project: WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39225
Parameters: Pb

Time	Sample Description	Istd#9
12:10	MP93240-B1	101.109
12:13	MP93240-S1	No results reported for the elements associated with this internal standard.
12:16	MP93240-S2	No results reported for the elements associated with this internal standard.
12:20	MP93240-S1	No results reported for the elements associated with this internal standard.
12:24	MA39225-CCVA3	99.488
12:27	MA39225-CCB3	99.198
12:30	MP93239-MB1	98.782
12:34	MP93239-B1	100.245
12:37	MP93239-S1	101.457
12:40	MP93239-S2	100.752
12:44	ZZZZZZ	98.931
12:47	JC18578-1	99.818
12:50	ZZZZZZ	101.232
12:54	ZZZZZZ	102.381
12:57	ZZZZZZ	104.805
13:00	MA39225-CCVA4	100.809
13:04	MA39225-CCB4	97.436
13:07	ZZZZZZ	98.517
13:11	ZZZZZZ	105.093
13:14	ZZZZZZ	103.696
13:17	JC18608-1	102.479
13:21	JC18608-2	103.51
13:24	MA39225-CCVA5	103.826
13:28	MA39225-CCB5	102.352

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#9	Bismuth	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC18608
Account: PARS - PARS Environmental Services
Project: WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA39225 Units: ug/l

Time: / Sample ID:			11:12 ICB1		11:26 CCB1		11:59 CCB2		12:27 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	50	.1								
Antimony	2.0	.12	anr							
Arsenic	1.0	.38	anr							
Barium	1.0	.011								
Beryllium	0.30	.004	anr							
Boron	50	3.2								
Cadmium	0.50	.008	anr							
Calcium	250	2.7								
Chromium	4.0	.019								
Cobalt	0.50	.003								
Copper	4.0	.02								
Iron	50	1.1								
Lead	0.50	.009	0.0059	<0.50	0.018	<0.50	0.027	<0.50	0.042	<0.50
Magnesium	250	.17								
Manganese	1.0	.019								
Molybdenum	1.0	.02								
Nickel	4.0	.028								
Potassium	250	2								
Selenium	1.0	.29	anr							
Silver	2.0	.019	anr							
Sodium	250	3.9								
Strontium	1.0	.009								
Thallium	0.50	.016	anr							
Tin	1.0	.039								
Titanium	1.0	.034								
Vanadium	4.0	.11								
Zinc	10	.29								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC18608
Account: PARS - PARS Environmental Services
Project: WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA39225 Units: ug/l

Time: / Sample ID: / Metal	RL	IDL	13:04 CCB4 raw	final	13:28 CCB5 raw	final
Aluminum	50	.1				
Antimony	2.0	.12	anr			
Arsenic	1.0	.38	anr			
Barium	1.0	.011				
Beryllium	0.30	.004	anr			
Boron	50	3.2				
Cadmium	0.50	.008	anr			
Calcium	250	2.7				
Chromium	4.0	.019				
Cobalt	0.50	.003				
Copper	4.0	.02				
Iron	50	1.1				
Lead	0.50	.009	0.036	<0.50	0.037	<0.50
Magnesium	250	.17				
Manganese	1.0	.019				
Molybdenum	1.0	.02				
Nickel	4.0	.028				
Potassium	250	2				
Selenium	1.0	.29	anr			
Silver	2.0	.019	anr			
Sodium	250	3.9				
Strontium	1.0	.009				
Thallium	0.50	.016	anr			
Tin	1.0	.039				
Titanium	1.0	.034				
Vanadium	4.0	.11				
Zinc	10	.29				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC18608
Account: PARS - PARS Environmental Services
Project: WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39225 Units: ug/l

Time:		11:06			11:09			11:22	
Sample ID:	ICVA	ICVA1		ICV	ICV1		CCVA	CCVA1	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	60	57.8	96.3				50	50.6	101.2
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC18608
Account: PARS - PARS Environmental Services
Project: WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39225 Units: ug/l

Time:		11:55			12:24			13:00	
Sample ID:	CCVA	CCVA2		CCVA	CCVA3		CCVA	CCVA4	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	50	47.6	95.2	50	47.7	95.4	50	47.2	94.4
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC18608
Account: PARS - PARS Environmental Services
Project: WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39225 Units: ug/l

Time:		13:24	
Sample ID:	CCVA	CCVA5	
Metal	True	Results	% Rec
Aluminum			
Antimony	anr		
Arsenic	anr		
Barium			
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	50	47.5	95.0
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JC18608
Account: PARS - PARS Environmental Services
Project: WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
QC Limits: 70 to 130 % Recovery Run ID: MA39225 Units: ug/l

Time:			11:16		11:19	
Sample ID:	CRI	CRIA	CRI1		CRIA1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	25	25				
Antimony	2.0	0.25	anr			
Arsenic	0.50	1.0				
Barium	1.0	0.50				
Beryllium	0.50	0.30	anr			
Boron	25	2.5				
Cadmium	0.50	0.25	anr			
Calcium	250	125				
Chromium	1.0	2.0				
Cobalt	0.50	0.25				
Copper	2.0	2.0				
Iron	25	25				
Lead	0.50	0.25	0.50	100.0		
Magnesium	250	125				
Manganese	0.50	0.25				
Molybdenum	1.0	0.50				
Nickel	1.0	2.0				
Potassium	250	125				
Selenium	0.50	1.0	anr			
Silver	0.50	1.0	anr			
Sodium	250	125				
Strontium	5.0	0.50				
Thallium	0.50	0.25	anr			
Tin	5.0	0.50				
Titanium	1.0	0.50				
Vanadium	1.0	2.0				
Zinc	5.0	2.0				

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC18608
Account: PARS - PARS Environmental Services
Project: WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ

QC Batch ID: MP93239 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/20/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	0.050	.0001	.00074		
Antimony	0.0020	.00012	.00021		
Arsenic	0.0010	.00038	.00081		
Barium	0.0010	.000011	.000044		
Beryllium	0.00030	.000004	.000079		
Boron	0.050	.0032			
Cadmium	0.00050	.000008	.000041		
Calcium	0.25	.0027	.0075		
Chromium	0.0040	.000019	.00018		
Cobalt	0.00050	.000003	.000014		
Copper	0.0040	.00002	.0012		
Iron	0.050	.0011	.009		
Lead	0.00050	.000009	.000018	0.000033	<0.00050
Magnesium	0.25	.00017	.00051		
Manganese	0.0010	.000019	.00006		
Molybdenum	0.0010	.00002	.000059		
Nickel	0.0040	.000028	.00023		
Potassium	0.25	.002	.015		
Selenium	0.0010	.00029	.00051		
Silver	0.0020	.000019	.000022		
Sodium	0.25	.0039	.015		
Strontium	0.0010	.000009	.000014		
Thallium	0.00050	.000016	.0001		
Tin	0.0010	.000039	.000043		
Titanium	0.0010	.000034	.00038		
Vanadium	0.0040	.00011	.00082		
Zinc	0.010	.00029	.00061		

Associated samples MP93239: JC18608-1, JC18608-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC18608
Account: PARS - PARS Environmental Services
Project: WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ

QC Batch ID: MP93239 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/20/16

Metal	JC18578-1 Original	MS	Spikelot MPXDW7	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead	0.015	0.11	0.10	95.0	70-130
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP93239: JC18608-1, JC18608-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC18608
Account: PARS - PARS Environmental Services
Project: WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ

QC Batch ID: MP93239 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/20/16

Metal	JC18578-1 Original	MSD	Spikelot MPXDW7	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	0.015	0.11	0.10	95.0	0.0	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP93239: JC18608-1, JC18608-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC18608
Account: PARS - PARS Environmental Services
Project: WWP Schools-Dutch Neck, 321 Village Road East, West Windsor, NJ

QC Batch ID: MP93239
Matrix Type: DRINKING WATER

Methods: EPA 200.8
Units: mg/l

Prep Date: 04/20/16

Metal	BSP Result	Spikelot MPXDW7	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	0.092	0.10	92.0	85-115
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP93239: JC18608-1, JC18608-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

APPENDIX B
LABORATORY CERTIFICATION

State of New Jersey

Department of Environmental Protection

Certifies That

SGS Accutest Inc. – Wheat Ridge

Laboratory Certification ID # CO007

is hereby approved as a

Nationally Accredited Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List which must accompany this certificate to be valid

having duly met the requirements of the

Regulations Governing the Certification of Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the 2009 TNI Standard approved by the

The NELAC Institute

Expires June 30, 2016

Joseph F. Aiello
Assistant Director

NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

State of New Jersey

Department of Environmental Protection

Certifies That

SGS Accutest Inc. - Dayton

Laboratory Certification ID # 12129

is hereby approved as a

Nationally Accredited Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List which must accompany this certificate to be valid

having duly met the requirements of the

Regulations Governing the Certification of Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the 2009 TNI Standard approved by the

The NELAC Institute

Expires June 30, 2016

Michele M. Potte for JFA

Joseph F. Aiello
Assistant Director

NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

PARS
Environmental
Inc.

LEAD IN DRINKING WATER TESTING REPORT

WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
THOMAS GROVER MIDDLE SCHOOL
10 SOUTHFIELD ROAD
WEST WINDSOR, NEW JERSEY 08550

PREPARED FOR:

West Windsor-Plainsboro Regional School District
505 Village Road West
PO Box 505
West Windsor, New Jersey 08550

PREPARED BY:

PARS Environmental, Inc.
500 Horizon Drive, Suite 540
Robbinsville, New Jersey 08691
Tel: 609-890-7277
Fax: 609-890-9116

PARS Project No. 565-84

April 2016

TABLE OF CONTENTS

EXECUTIVE SUMMARY

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at the Thomas Grover Middle School (TGMS). PARS conducted the lead in drinking water testing on March 30, 2016 and April 20, 2016. The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the United States Environmental Protection Agency (USEPA) *3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance (USEPA 3Ts)*. PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

FINDINGS

The USEPA National Primary Drinking Water Regulations requires that immediate action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 milligrams per liter (mg/l). Exceedance of the 0.015 mg/l action level was identified in one sample in the TGMS. A total of 17 water samples were collected and analyzed. Laboratory analysis revealed that the room A233 classroom faucet was above the action level of 0.015 mg/l. The room A233 classroom faucet was initially sampled on March 30, 2016, and re-sampled on April 20, 2016. The lead levels decreased from 0.025 mg/l to 0.011 mg/l in the primary First Draw sample collected. The lead levels further decreased to 0.007 mg/l in the 30 Second Flush sample collected. The 0.015 mg/l action level was not exceeded in the re-sampling of the room A233 classroom faucet.

Based on the laboratory analytical results, no further investigation is warranted at this time. PARS recommends periodic flushing of the school taps and testing per state and federal regulations.

1.0 INTRODUCTION

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at the Thomas Grover Middle School (TGMS). The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the *USEPA 3Ts*. PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

Sampling methodology is described in Section 2.0, the Lead in Drinking Water Findings are discussed in Section 3.0, and the Conclusions and Recommendations are presented in Section 4.0. A list of the sample locations and results are provided in **Table 1**. The Laboratory Analytical Report and Laboratory NELAC Certification are provided in **Appendix A** and **B**, respectively.

This report is intended for the sole use of WWP. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations, is at risk of said user.

2.0 LEAD IN DRINKING WATER SAMPLING

PARS conducted lead in drinking water testing at the TGMS on March 30, 2016 and April 20, 2016. The lead in drinking water sampling was conducted by Christa Casciolini, Melissa Konieczny, and Rafael Torres of PARS.

PARS performed lead in drinking water testing at a total of seven (7) drinking water fountains (bubbler and cooler units) and eight (8) faucets in the nurse's office, kitchen, teacher's lounge, and classroom locations in the TGMS.

All samples were collected following the USEPA First Draw sampling protocol. The First Draw sample collection occurred in the morning prior to the facility opening and before any water was drawn in the building, including toilet flushing. The water was unused for six (6) to eight (8) hours prior to collection. Arrangements were made to sample the water outlets prior to the arrival of teachers and students.

The samples were placed in pre-preserved plastic bottles and submitted for laboratory analysis to SGS Accutest for two-week turnaround. SGS Accutest is a New Jersey Department of Environmental Protection (NJDEP) certified laboratory for lead in drinking water (NELAC #CO007 and #12129). All samples were analyzed using USEPA Method 200.8 for the determination of trace elements in waters and wastes by inductively coupled plasma – mass spectrometry (ICP-MS). Chain-of-custody protocols were followed.

3.0 LEAD IN DRINKING WATER FINDINGS

Exceedance of the 0.015 mg/l action level was identified in one sample in the TGMS. A total of 17 water samples were collected and analyzed. Laboratory analysis revealed that the room A233 classroom faucet was above the action level of 0.015 mg/l. The room A233 classroom faucet was initially sampled on March 30, 2016, and re-sampled on April 20, 2016. The lead levels decreased from 0.025 mg/l to 0.011 mg/l in the primary First Draw sample collected. The lead levels further decreased to 0.007 mg/l in the 30 Second Flush sample collected. The 0.015 mg/l action level was not exceeded in the re-sampling of the room A233 classroom faucet.

Lead in drinking water tabulated results for the TGMS are provided in **Table 1**. The laboratory analytical report is included in **Appendix A.** The laboratory certification is included in **Appendix B**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

A total of seven (7) drinking water fountains (bubbler and cooler units) and eight (8) faucets in the nurse's office, kitchen, teacher's lounge, and classroom locations were tested in the TGMS. The USEPA recommends that action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 mg/l. Exceedance of the 0.015 mg/l action level was identified in one sample in the TGMS. A total of 17 water samples were collected and analyzed. Laboratory analysis revealed that the room A233 classroom faucet was above the action level of 0.015 mg/l. The room A233 classroom faucet was initially sampled on March 30, 2016, and re-sampled on April 20, 2016. The lead levels decreased from 0.025 mg/l to 0.011 mg/l in the primary First Draw sample collected. The lead levels further decreased to 0.007 mg/l in the 30 Second Flush sample collected. The 0.015 mg/l action level was not exceeded in the re-sampling of the room A233 classroom faucet.

Based on the laboratory analytical results, no further investigation is warranted at this time. PARS recommends periodic flushing of the school taps and testing per state and federal regulations.

-o0o-

PARS appreciates the opportunity to assist West Windsor-Plainsboro Regional School District with this project. Should you have any questions or comments please feel free to contact us at (609) 890-7277.

Respectfully submitted,

PARS ENVIRONMENTAL, INC.

Christa M. Casciolini
Project Geologist

Margaret Halasnik
Principal Industrial Hygienist

TABLE 1
DRINKING WATER RESULTS TABLE

TABLE 1
LEAD IN DRINKING WATER TESTING REPORT
WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
THOMAS GROVER MIDDLE SCHOOL
APRIL 2016

All samples are primary (first draw) samples. Except for one (1) 30 second flush sample collected on 4/20/16 during re-sampling of the room A233 classroom faucet.
All faucets sampled are cold water, unless noted.
EPA Action limit = 0.015 milligrams per liter (mg/l)

School:	**Thomas Grover Middle School**
Sampling Date:	**3/30/2016**

Exceeds EPA Action Limit (> 0.015 mg/l)
Hit = result > 0.00050 detection limit

03/30/16 Initial Sampling

Accutest Mountain States										**4/15/2016 12:18**	
Job Number:	**D81293**										
Account:	**PARS Environmental Services**										
Project:	**WWP Regional, West Windsor-Plainsboro, NJ**										
Project Number:	**Grover Middle School**										
										Legend:	Hit
Client Sample ID:		**TGMS-01-NWR-DW-P**	**TGMS-01-C148-WC P**	**TGMS-01-C130-WC P**	**TGMS-01-KIT-KC-P**	**TGMS-01-C106-KC-P**	**TGMS-01-A157-EC-P**	**TGMS-01-A113-CF-P**	**TGMS-01-A122_A120-WC-P**	**TGMS-01-A134-CF-P**	**TGMS-01-A133-CF-P**
Lab Sample ID:		**D81293-1**	**D81293-2**	**D81293-3**	**D81293-4**	**D81293-5**	**D81293-6**	**D81293-7**	**D81293-8**	**D81293-9**	**D81293-10**
Date Sampled:		**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**
Matrix:		**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**
Metals Analysis											
Lead	mg/l	0.00076	<0.00050	<0.00050	<0.00050	0.00091	0.0011	<0.00050	<0.00050	0.0013	0.0018
Client Sample ID:		**TGMS-01-E143_E142-WC-P**	**TGMS-01-E102-CF-P**	**TGMS-02-A211-CF-P**	**TGMS-02-A222_A219-WC-P**	**TGMS-02-A233-CF-P**					
Lab Sample ID:		**D81293-11**	**D81293-12**	**D81293-13**	**D81293-14**	**D81293-15**					
Date Sampled:		**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**					
Matrix:		**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**					
Metals Analysis											
Lead	mg/l	<0.00050	0.0017	0.00068	<0.00050	0.025					

TABLE 1
LEAD IN DRINKING WATER TESTING REPORT
WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
THOMAS GROVER MIDDLE SCHOOL
APRIL 2016

All samples are primary (first draw) samples. Except for one (1) 30 second flush sample collected on 4/20/16 during re-sampling of the room A233 classroom faucet.
All faucets sampled are cold water, unless noted.
EPA Action limit = 0.015 milligrams per liter (mg/l)

School:	**Thomas Grover Middle School**
Sampling Date:	**4/20/2016**

Exceeds EPA Action Limit (> 0.015 mg/l)
Hit = result > 0.00050 detection limit

04/20/16 Resampling

Accutest New Jersey			**Apr 26, 2016 13:45 pm**
Job Number:	**JC18920**		
Account:	**PARS Environmental Services**		
Project:	**WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ**		
Project Number:	**565-84**		
		Legend:	Hit
Client Sample ID:		**TGMS-02-A233-CF-P**	**TGMS-02-A233-CF-F**
Lab Sample ID:		**JC18920-1**	**JC18920-2**
Date Sampled:		**4/20/2016**	**4/20/2016**
Matrix:		**Drinking Water**	**Drinking Water**
Metals Analysis			
Lead	mg/l	0.011	0.007

Client Sample ID Format: School-Floor-Room-Outlet-Sample Type

Floor:
- 01 = First floor
- 02 = Second floor

Room:
- ### = Room number ###
- ###-### = Sample between room number ### and room #
- H### = Hallway by room number ###
- BL = Boy's locker room
- CAF = Cafeteria
- FR = Faculty room
- GL = Girl's locker room
- KIT = Kitchen
- MGYM = Main gym
- MO = Main office
- NUR = Nurse's office
- SGYM = Small gym
- TGL = Team girl's locker room
- TL = Teacher's lounge
- TP = Teacher's prep room
- PLR = Pool Locker room

Outlet:
- BF = Bathroom faucet
- CF = Classroom faucet
- DW= Drinking water bubbler
- EC = Home economics room, cold
- KC = Kitchen faucet, cold
- LC = Lounge faucet, cold
- NS = Nurse's office sink
- WC = Water cooler (chiller unit)
- TF or TS = Teacher's faucet or Teacher's sink

Sample Type:
- P = Primary (first draw) sample
- F = Flush sample

APPENDIX A
LABORATORY ANALYTICAL REPORTS

e-Hardcopy 2.0
Automated Report

Technical Report for

PARS Environmental Services

WWP Regional, West Windsor-Plainsboro, NJ

TGMS

SGS Accutest Job Number: D81293

Sampling Date: 03/30/16

Report to:

PARS Environmental, Inc.
500 Horizon Drive Suite 540
Robbinsville, NJ 08691
ccasciolini@ParsEnviro.com

ATTN: Crista Casciolini

Total number of pages in report: **51**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Cristina Araujo 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY
CO (CO00049), EPA 515.4 Provisional

Sections: 1 2 3 4 5 6

Table of Contents

Sample Summary

PARS Environmental Services

Job No: D81293

WWP Regional, West Windsor-Plainsboro, NJ
Project No: TGMS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D81293-1	03/30/16	06:41	CC	03/31/16	DW	Drinking Water	TGMS-01-NWR-DW-P
D81293-2	03/30/16	06:51	CC	03/31/16	DW	Drinking Water	TGMS-01-C148-WC-P
D81293-3	03/30/16	06:58	CC	03/31/16	DW	Drinking Water	TGMS-01-C130-WC-P
D81293-4	03/30/16	07:05	CC	03/31/16	DW	Drinking Water	TGMS-01-KIT-KC-P
D81293-5	03/30/16	07:11	CC	03/31/16	DW	Drinking Water	TGMS-01-C106-KC-P
D81293-6	03/30/16	07:18	CC	03/31/16	DW	Drinking Water	TGMS-01-A157-EC-P
D81293-7	03/30/16	07:29	CC	03/31/16	DW	Drinking Water	TGMS-01-A113-CF-P
D81293-8	03/30/16	07:35	CC	03/31/16	DW	Drinking Water	TGMS-01-A122_A120-WC-P
D81293-9	03/30/16	07:39	CC	03/31/16	DW	Drinking Water	TGMS-01-A134-CF-P
D81293-10	03/30/16	07:46	CC	03/31/16	DW	Drinking Water	TGMS-01-A133-CF-P
D81293-11	03/30/16	07:51	CC	03/31/16	DW	Drinking Water	TGMS-01-E143_E142-WC-P
D81293-12	03/30/16	07:54	CC	03/31/16	DW	Drinking Water	TGMS-01-E102-CF-P
D81293-13	03/30/16	08:01	CC	03/31/16	DW	Drinking Water	TGMS-02-A211-CF-P

Sample Summary
(continued)

PARS Environmental Services

Job No: D81293

WWP Regional, West Windsor-Plainsboro, NJ
Project No: TGMS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
D81293-14	03/30/16	08:06	CC	03/31/16	DW	Drinking Water	TGMS-02-A222_A219-WC-P
D81293-15	03/30/16	08:09	CC	03/31/16	DW	Drinking Water	TGMS-02-A233-CF-P

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	PARS Environmental Services	**Job No**	D81293
Site:	WWP Regional, West Windsor-Plainsboro, NJ	**Report Date**	4/14/2016 3:54:29 PM

On 03/31/2016, 15 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 1.9 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D81293 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Metals By Method EPA 200.8

Matrix: DW **Batch ID:** MP18449

- If required based on the turbidity results, all samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D81293-1MS, D81293-1MSD were used as the QC samples for the metals analysis.

Matrix: DW **Batch ID:** MP18450

- If required based on the turbidity results, all samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D81293-6MS, D81293-6MSD were used as the QC samples for the metals analysis.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Summary of Hits

Job Number: D81293
Account: PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ
Collected: 03/30/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D81293-1	**TGMS-01-NWR-DW-P**					
Lead		0.00076	0.00050		mg/l	EPA 200.8
D81293-2	**TGMS-01-C148-WC-P**					
No hits reported in this sample.						
D81293-3	**TGMS-01-C130-WC-P**					
No hits reported in this sample.						
D81293-4	**TGMS-01-KIT-KC-P**					
No hits reported in this sample.						
D81293-5	**TGMS-01-C106-KC-P**					
Lead		0.00091	0.00050		mg/l	EPA 200.8
D81293-6	**TGMS-01-A157-EC-P**					
Lead		0.0011	0.00050		mg/l	EPA 200.8
D81293-7	**TGMS-01-A113-CF-P**					
No hits reported in this sample.						
D81293-8	**TGMS-01-A122_A120-WC-P**					
No hits reported in this sample.						
D81293-9	**TGMS-01-A134-CF-P**					
Lead		0.0013	0.00050		mg/l	EPA 200.8
D81293-10	**TGMS-01-A133-CF-P**					
Lead		0.0018	0.00050		mg/l	EPA 200.8
D81293-11	**TGMS-01-E143_E142-WC-P**					
No hits reported in this sample.						

Summary of Hits

Job Number: D81293
Account: PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ
Collected: 03/30/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D81293-12	**TGMS-01-E102-CF-P**					
Lead		0.0017	0.00050		mg/l	EPA 200.8
D81293-13	**TGMS-02-A211-CF-P**					
Lead		0.00068	0.00050		mg/l	EPA 200.8
D81293-14	**TGMS-02-A222_A219-WC-P**					
No hits reported in this sample.						
D81293-15	**TGMS-02-A233-CF-P**					
Lead		0.025	0.00050		mg/l	EPA 200.8

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TGMS-01-NWR-DW-P		
Lab Sample ID:	D81293-1	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.00076	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18449

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TGMS-01-C148-WC-P		
Lab Sample ID:	D81293-2	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18449

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TGMS-01-C130-WC-P		
Lab Sample ID:	D81293-3	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18449

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TGMS-01-KIT-KC-P		
Lab Sample ID:	D81293-4	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18449

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TGMS-01-C106-KC-P		
Lab Sample ID:	D81293-5	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.00091	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18449

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TGMS-01-A157-EC-P		
Lab Sample ID:	D81293-6	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0011	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18450

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TGMS-01-A113-CF-P		
Lab Sample ID:	D81293-7	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18450

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TGMS-01-A122_A120-WC-P		
Lab Sample ID:	D81293-8	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18450

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TGMS-01-A134-CF-P		
Lab Sample ID:	D81293-9	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0013	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18450

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TGMS-01-A133-CF-P		
Lab Sample ID:	D81293-10	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0018	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18450

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TGMS-01-E143_E142-WC-P		
Lab Sample ID:	D81293-11	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18450

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TGMS-01-E102-CF-P		
Lab Sample ID:	D81293-12	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0017	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18450

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TGMS-02-A211-CF-P		
Lab Sample ID:	D81293-13	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.00068	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18450

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TGMS-02-A222_A219-WC-P		
Lab Sample ID:	D81293-14	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18450

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TGMS-02-A233-CF-P		
Lab Sample ID:	D81293-15	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.025	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18450

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

SGS ACCUTEST

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: D81293

Client / Reporting Information

Company Name: PARS Environmental
Street Address: 500 Horizon Dr, suite 540
City: Robbinsville, State: NJ, Zip: 08691
Project Contact: Christa Cusciolini, E-mail: ccusciolini@PARSEnviro.com
Phone #: 609-890-7277, Fax #:
Sampler(s) Name(s): Phone #:

Project Information

Project Name: WWP Regional - TGMS
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (If different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

DW
Pb
200.8

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
	TGMS-01-NAR-DW-P		3/30/16	6:41	CC		1			1						01
	TGMS-01-C148-WC-P			6:51	CC		1			1						02
	TGMS-01-C130-WC-P			6:58	CC		1			1						03
	TGMS-01-KIT-KC-P			7:05	CC		1			1						04
	TGMS-01-C106-KC-P			7:11	CC		1			1						05
	TGMS-01-A157-EC-P			7:18	CC		1			1						06
	TGMS-01-A113-CF-P			7:24	CC		1			1						07
	TGMS-01-A122_A120-WC-P			7:35	CC		1			1						08
	TGMS-01-A134-CF-P			7:39	CC		1			1						09
	TGMS-01-A133-CF-P			7:46	CC		1			1						10
	TGMS-01-E143_E142-WC-P			7:51	CC		1			1						11
	TGMS-01-E102-CF-P			7:54	CC		1			1						12

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [x] Other 2 week

Approved By (SGS Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		3/30/16	1 3-30-16	2	3-30-16 1636	2 3/31/16
3			3	4		4
5			5	Custody Seal # FX Intact / Not Intact	Preserved where applicable: TBR On Ice	Cooler Temp. 1.9

SGS ACCUTEST

CHAIN OF CUSTODY

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

PAGE 2 OF 2

FED-EX Tracking #: | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: D81293

Client / Reporting Information

Company Name: PARS Environmental
Street Address: 500 Horizon Dr, Suite 540
City: Robbinsville State: NJ Zip: 08691
Project Contact: Christa Cassiolini E-mail: ccassiolini@parsenviro.com
Phone #: 609-890-7277 Fax #:
Sampler(s) Name(s): Phone #:

Project Information

Project Name: WWP Regional - TGMS
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

DW
Pb
200.8

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
	TGMS-02-A211-CF-P		3/30/16	8:01	CC		1			1						13
	TGMS-02-A222-A219-WC-P		"	8:06	CC		1			1						14
	TGMS-02-A233-CF-P		"	8:09	CC		1			1						15
																BB
																MM

Turnaround Time (Business days)

Approved By (SGS Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [x] other 2 week

Emergency & Rush T/A data available VIA Labtrack

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery. 1638

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Christa Cassiolini	3/30/16	1 [illegible] 3-30-16	2 [illegible]	3-30-16	2 [illegible] 3/31 1050
3		3	4		4
5		5	Custody Seal # FX	Intact / Not Intact	Preserved where applicable	Cooler Temp. 1.9

SGS Accutest Sample Receipt Summary

Job Number: D81293 **Client:** PARS **Project:** WWP REGIONAL TGMS

Date / Time Received: 3/31/2016 10:40:00 AM **Delivery Method:** **Airbill #'s:** fx

Cooler Temps (Initial/Adjusted): #1: (1.9/1.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Comments

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

D81293: Chain of Custody
Page 3 of 3

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:39	ZZZZZZ	1		
07:42	ZZZZZZ	1		
07:46	MA7209-STD1	1		STDBLK
07:49	MA7209-STD2	1		STD1
07:52	MA7209-STD3	1		STD2
07:55	MA7209-STD4	1		STD3
07:58	MA7209-CRI1	1		Possible analytical problem. See rerun.
08:03	MA7209-CRI2	1		
08:06	MA7209-ICV1	1		
08:09	MA7209-ICB1	1		
08:12	MA7209-CCV1	1		
08:15	MA7209-CCB1	1		
08:18	ZZZZZZ	1		
08:21	MP18448-MB1	1		
08:24	MP18448-B1	1		
08:27	D81292-1	1		(sample used for QC only; not part of login D81293)
08:30	MP18448-S1	1		
08:34	MA7209-CCV2	1		
08:37	MA7209-CCB2	1		
08:40	MP18448-S2	1		
08:43	ZZZZZZ	1		
08:46	ZZZZZZ	1		
08:49	ZZZZZZ	1		
08:52	ZZZZZZ	1		
08:55	ZZZZZZ	1		
08:58	ZZZZZZ	1		
09:01	ZZZZZZ	1		
09:04	ZZZZZZ	1		
09:04	ZZZZZZ	1		
09:07	ZZZZZZ	1		
09:10	MA7209-CCV3	1		
09:13	MA7209-CCB3	1		
09:17	MP18449-MB1	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:20	MP18449-B1	1		
09:23	D81293-1	1		
09:26	MP18449-S1	1		
09:29	MP18449-S2	1		
09:32	ZZZZZZ	1		
09:35	ZZZZZZ	1		
09:38	ZZZZZZ	1		
09:41	ZZZZZZ	1		
09:44	ZZZZZZ	1		
09:47	MA7209-CCV4	1		
09:50	MA7209-CCB4	1		
09:54	ZZZZZZ	1		
09:57	D81293-2	1		
10:00	D81293-3	1		
10:03	D81293-4	1		
10:06	D81293-5	1		
10:09	MP18450-MB1	1		
10:12	MP18450-B1	1		
10:15	D81293-6	1		
10:18	MP18450-S1	1		
10:21	MP18450-S2	1		
10:24	MA7209-CCV5	1		
10:28	MA7209-CCB5	1		
10:31	D81293-7	1		
10:34	D81293-8	1		
10:37	D81293-9	1		
10:40	D81293-10	1		
10:43	D81293-11	1		
10:46	D81293-12	1		
10:49	D81293-13	1		
10:52	D81293-14	1		
10:55	D81293-15	1		
---------->	Last reportable sample/prep for job D81293			
10:58	MP18451-MB1	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:01	MA7209-CCV6	1		
11:04	MA7209-CCB6	1		
---------->	Last reportable CCB for job D81293			
11:07	MP18451-B1	1		
11:10	D81294-1	1		(sample used for QC only; not part of login D81293)
11:14	MP18451-S1	1		
11:17	MP18451-S2	1		
11:20	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:26	ZZZZZZ	1		
11:29	ZZZZZZ	1		
11:32	ZZZZZZ	1		
11:35	ZZZZZZ	1		
11:38	MA7209-CCV7	1		
11:41	MA7209-CCB7	1		
11:44	ZZZZZZ	1		
11:47	ZZZZZZ	1		
11:50	ZZZZZZ	1		
11:53	MP18447-MB1	1		
11:56	MP18447-B1	1		
12:00	D81295-1	1		(sample used for QC only; not part of login D81293)
12:03	MP18447-S1	1		
12:06	MP18447-S2	1		
12:09	ZZZZZZ	1		
12:12	ZZZZZZ	1		
12:15	MA7209-CCV8	1		
12:18	MA7209-CCB8	1		
12:21	ZZZZZZ	1		
12:24	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:40	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:43	MP18452-MB1	1		
12:46	MP18452-B1	1		see rerun
12:49	D81333-1	1		(sample used for QC only; not part of login D81293)
12:52	MA7209-CCV9	1		
12:55	MA7209-CCB9	1		
12:58	MP18452-S1	1		
13:01	MP18452-S2	1		
13:04	ZZZZZZ	1		
13:07	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:13	ZZZZZZ	1		
13:17	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:23	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:29	MA7209-CCV10	1		
13:32	MA7209-CCB10	1		
13:35	ZZZZZZ	1		
13:38	MA7209-CCV11	1		
13:41	MA7209-CCB11	1		
14:03	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:09	MP18453-MB1	1		
14:12	MP18453-B1	1		
14:15	D81333-6	1		(sample used for QC only; not part of login D81293)
14:26	MP18453-S1	1		
14:29	MP18453-S2	1		
14:32	ZZZZZZ	1		
14:35	ZZZZZZ	1		
14:38	MP18452-B1	1		
14:41	MA7209-CCV12	1		
14:44	MA7209-CCB12	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
07:39	ZZZZZZ	454198	502850
07:42	ZZZZZZ	443803	488302
07:46	MA7209-STD1	440446 R	488787 R
07:49	MA7209-STD2	432812	477471
07:52	MA7209-STD3	444552	471684
07:55	MA7209-STD4	418479	449504
07:58	MA7209-CRI1	No results reported for the elements associated with this internal standard.	
08:03	MA7209-CRI2	427738	455261
08:06	MA7209-ICV1	441305	467474
08:09	MA7209-ICB1	423330	464361
08:12	MA7209-CCV1	437487	468907
08:15	MA7209-CCB1	425164	462506
08:18	ZZZZZZ	393164	392547
08:21	MP18448-MB1	401369	417516
08:24	MP18448-B1	396977	418679
08:27	D81292-1	411118	413248
08:30	MP18448-S1	415297	409788
08:34	MA7209-CCV2	440520	469021
08:37	MA7209-CCB2	411664	454809
08:40	MP18448-S2	408626	403631
08:43	ZZZZZZ	400515	399454
08:46	ZZZZZZ	401357	405168
08:49	ZZZZZZ	403967	405826
08:52	ZZZZZZ	405563	404771
08:55	ZZZZZZ	410066	408196
08:58	ZZZZZZ	404010	402560
09:01	ZZZZZZ	404652	397730
09:04	ZZZZZZ	402293	401894
09:04	ZZZZZZ	402293	401894
09:07	ZZZZZZ	406563	402074
09:10	MA7209-CCV3	439057	470400
09:13	MA7209-CCB3	421464	456896
09:17	MP18449-MB1	400391	403203

INTERNAL STANDARD SUMMARY

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
09:20	MP18449-B1	399236	410408
09:23	D81293-1	404435	404959
09:26	MP18449-S1	401844	403961
09:29	MP18449-S2	401753	404009
09:32	ZZZZZZ	402501	398455
09:35	ZZZZZZ	406017	393104
09:38	ZZZZZZ	401059	401168
09:41	ZZZZZZ	398197	399160
09:44	ZZZZZZ	399848	400904
09:47	MA7209-CCV4	433177	455140
09:50	MA7209-CCB4	417109	449909
09:54	ZZZZZZ	396983	394592
09:57	D81293-2	391415	390231
10:00	D81293-3	400484	395177
10:03	D81293-4	407978	399118
10:06	D81293-5	409640	396550
10:09	MP18450-MB1	415820	418350
10:12	MP18450-B1	408609	405182
10:15	D81293-6	410586	402601
10:18	MP18450-S1	406917	398840
10:21	MP18450-S2	407613	403050
10:24	MA7209-CCV5	432231	449692
10:28	MA7209-CCB5	423323	449467
10:31	D81293-7	401905	390589
10:34	D81293-8	399604	392980
10:37	D81293-9	409739	393477
10:40	D81293-10	402904	397071
10:43	D81293-11	407746	396539
10:46	D81293-12	415698	400216
10:49	D81293-13	406956	400821
10:52	D81293-14	406046	399513
10:55	D81293-15	402207	397845
10:58	MP18451-MB1	411878	406337

INTERNAL STANDARD SUMMARY

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
11:01	MA7209-CCV6	433782	450090
11:04	MA7209-CCB6	420244	441583
11:07	MP18451-B1	410443	398362
11:10	D81294-1	419007	399880
11:14	MP18451-S1	414012	400717
11:17	MP18451-S2	413388	401939
11:20	ZZZZZZ	403070	398111
11:23	ZZZZZZ	407605	386406
11:26	ZZZZZZ	415288	394425
11:29	ZZZZZZ	405192	392371
11:32	ZZZZZZ	410577	397729
11:35	ZZZZZZ	405172	387233
11:38	MA7209-CCV7	440801	447223
11:41	MA7209-CCB7	421386	436272
11:44	ZZZZZZ	399478	386705
11:47	ZZZZZZ	400781	387378
11:50	ZZZZZZ	413019	389909
11:53	MP18447-MB1	417677	411702
11:56	MP18447-B1	407027	396094
12:00	D81295-1	415831	393077
12:03	MP18447-S1	419655	402165
12:06	MP18447-S2	424122	403599
12:09	ZZZZZZ	402781	384413
12:12	ZZZZZZ	403429	387983
12:15	MA7209-CCV8	435341	436507
12:18	MA7209-CCB8	423104	429492
12:21	ZZZZZZ	412393	385949
12:24	ZZZZZZ	407628	383985
12:27	ZZZZZZ	409041	382610
12:30	ZZZZZZ	407799	385156
12:33	ZZZZZZ	406922	386009
12:36	ZZZZZZ	412740	384586
12:40	ZZZZZZ	401709	382824

INTERNAL STANDARD SUMMARY

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
12:43	MP18452-MB1	420241	401814
12:46	MP18452-B1	419395	397055
12:49	D81333-1	409448	385797
12:52	MA7209-CCV9	430672	429843
12:55	MA7209-CCB9	417749	417025
12:58	MP18452-S1	418230	385399
13:01	MP18452-S2	407146	383643
13:04	ZZZZZZ	408302	371466
13:07	ZZZZZZ	403689	379674
13:10	ZZZZZZ	411539	386596
13:13	ZZZZZZ	403197	370721
13:17	ZZZZZZ	416680	381802
13:20	ZZZZZZ	407648	378587
13:23	ZZZZZZ	406024	374405
13:26	ZZZZZZ	408407	372818
13:29	MA7209-CCV10	435942	413205
13:32	MA7209-CCB10	416214	413753
13:35	ZZZZZZ	404822	362076
13:38	MA7209-CCV11	426568	411895
13:41	MA7209-CCB11	409523	407424
14:03	ZZZZZZ	399108	396795
14:06	ZZZZZZ	402218	391683
14:09	MP18453-MB1	378082	358105
14:12	MP18453-B1	386228	358559
14:15	D81333-6	385509	348769
14:26	MP18453-S1	442219	399666
14:29	MP18453-S2	443365	396207
14:32	ZZZZZZ	449246	398780
14:35	ZZZZZZ	444286	403215
14:38	MP18452-B1	454603	416082
14:41	MA7209-CCV12	468425	438157
14:44	MA7209-CCB12	451676	437854

R = Reference for ISTD limits. ! = Outside limits.

INTERNAL STANDARD SUMMARY

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %
Istd#2	Bismuth	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7209 Units: ug/l

Time: / Sample ID:			08:09 ICB1		08:15 CCB1		08:37 CCB2		09:13 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Copper	2.0	.06	anr							
Lead	0.50	.0079	0.15	<0.50	0.083	<0.50	0.12	<0.50	0.067	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7209 Units: ug/l

Time:			09:50		10:28		11:04	
Sample ID:			CCB4		CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final
Copper	2.0	.06	anr					
Lead	0.50	.0079	0.071	<0.50	0.11	<0.50	0.088	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		08:06			08:12			08:34	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	100	102	102.0	50	51.4	102.8	50	52.3	104.6

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		09:10			09:47			10:24	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	50	51.6	103.2	50	52.2	104.4	50	51.5	103.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		11:01	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Copper	anr		
Lead	50	52.1	104.2

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 50 to 150 % Recovery Run ID: MA7209 Units: ug/l

Time:			08:03	
Sample ID:	CRI	CRIA	CRI2	
Metal	True	True	Results	% Rec
Copper	2.0	2.0	anr	
Lead	0.50	0.50	0.51	102.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18449 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	RL	IDL	MDL	MB raw	final
Copper	0.0020	.00006	.00014		
Lead	0.00050	.0000079	.00001	0.000021	<0.00050

Associated samples MP18449: D81293-1, D81293-2, D81293-3, D81293-4, D81293-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18449 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81293-1 Original	MS	Spikelot ICPALL2	% Rec	QC Limits
Copper					
Lead	0.00076	0.19	0.20	94.6	70-130

Associated samples MP18449: D81293-1, D81293-2, D81293-3, D81293-4, D81293-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18449 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81293-1 Original	MSD	Spikelot ICPALL2	% Rec	MSD RPD	QC Limit
Copper						
Lead	0.00076	0.19	0.20	94.6	0.0	20

Associated samples MP18449: D81293-1, D81293-2, D81293-3, D81293-4, D81293-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18449 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	BSP Result	Spikelot ICPALL2	% Rec	QC Limits
Copper				
Lead	0.19	0.20	95.0	85-115

Associated samples MP18449: D81293-1, D81293-2, D81293-3, D81293-4, D81293-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18450 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	RL	IDL	MDL	MB raw	final
Copper	0.0020	.00006	.00014		
Lead	0.00050	.0000079	.00001	0.0000040	<0.00050

Associated samples MP18450: D81293-6, D81293-7, D81293-8, D81293-9, D81293-10, D81293-11, D81293-12, D81293-13, D81293-14, D81293-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18450 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81293-6 Original	MS	Spikelot ICPALL2	% Rec	QC Limits
Copper					
Lead	0.0011	0.20	0.20	99.5	70-130

Associated samples MP18450: D81293-6, D81293-7, D81293-8, D81293-9, D81293-10, D81293-11, D81293-12, D81293-13, D81293-14, D81293-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18450 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81293-6 Original	MSD	Spikelot ICPALL2	% Rec	MSD RPD	QC Limit
Copper						
Lead	0.0011	0.17	0.20	84.5	16.2	20

Associated samples MP18450: D81293-6, D81293-7, D81293-8, D81293-9, D81293-10, D81293-11, D81293-12, D81293-13, D81293-14, D81293-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D81293
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18450 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	BSP Result	Spikelot ICPALL2	% Rec	QC Limits
Copper				
Lead	0.19	0.20	95.0	85-115

Associated samples MP18450: D81293-6, D81293-7, D81293-8, D81293-9, D81293-10, D81293-11, D81293-12, D81293-13, D81293-14, D81293-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

e-Hardcopy 2.0
Automated Report

Technical Report for

PARS Environmental Services

WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

565-84

SGS Accutest Job Number: JC18920

Sampling Date: 04/20/16

Report to:

PARS Environmental, Inc.
500 Horizon Drive Suite 540
Robbinsville, NJ 08691
RTorres@ParsEnviro.com

ATTN: Rafael Torres

Total number of pages in report: **41**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

Sections: 1 2 3 4 5 6

Table of Contents

Sample Summary

PARS Environmental Services

Job No: JC18920

WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ
Project No: 565-84

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC18920-1	04/20/16	05:56	MN	04/22/16	DW	Drinking Water	TGMS-02-A233-CF-P
JC18920-2	04/20/16	05:57	MN	04/22/16	DW	Drinking Water	TGMS-02-A233-CF-F

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	PARS Environmental Services	**Job No**	JC18920
Site:	WWP Schools-Grover Middle, 10 Southfield Road, West Windsor,	**Report Date**	5/2/2016 4:01:52 PM

On 04/22/2016, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 5.6 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JC18920 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

Metals By Method EPA 200.8

Matrix: DW **Batch ID:** MP93316

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC18920-1MS, JC18920-1MSD were used as the QC samples for metals.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JC18920
Account: PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ
Collected: 04/20/16

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC18920-1	**TGMS-02-A233-CF-P**					
Lead		0.011	0.00050		mg/l	EPA 200.8
JC18920-2	**TGMS-02-A233-CF-F**					
Lead		0.0070	0.00050		mg/l	EPA 200.8

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TGMS-02-A233-CF-P		
Lab Sample ID:	JC18920-1	**Date Sampled:**	04/20/16
Matrix:	DW - Drinking Water	**Date Received:**	04/22/16
		Percent Solids:	n/a
Project:	WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.011	0.015	0.00050	mg/l	1	04/25/16	04/25/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39257
(2) Prep QC Batch: MP93316

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	TGMS-02-A233-CF-F		
Lab Sample ID:	JC18920-2	**Date Sampled:**	04/20/16
Matrix:	DW - Drinking Water	**Date Received:**	04/22/16
		Percent Solids:	n/a
Project:	WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0070	0.015	0.00050	mg/l	1	04/25/16	04/25/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39257
(2) Prep QC Batch: MP93316

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ACCUTEST LABORATORIES

DW

CHAIN OF CUSTODY

PAGE 1 OF 1

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # JC18920

Client / Reporting Information

Company Name: PARS Environmental Inc.
Street Address: 500 Horizon Drive, Suite 540
City State Zip: Robbinsville, NJ 08691
Project Contact: Rafael L. Torres, III E-mail:
Phone #: 609-890-7277 Fax #: 609-890-9116
Sampler(s) Name(s): Rafael L. Torres, III Phone #: 609-254-8884

Project Information

Project Name: WWP Schools - Grover Middle
Street: 10 Southfield Road
City State: West Windsor NJ
Project #: 565-84
Client Purchase Order #:
Project Manager: Rafael L. Torres, III

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	PBMS	LAB USE ONLY
1	TGMS-02-A233-CF-P		4/20/16	0556	MN	DW	1			1						1	A23
2	TGMS-02-A233-CF-F		4/20/16	0557	MN	DW	1			1						1	

INITIAL ASSESSMENT
LABEL VERIFICATION

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [x] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] other

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		4/20/16	1	2	4-22-16 710	2
3	Relinquished by Sampler:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal # ☐ Intact ☐ Not intact	Preserved where applicable	On Ice ☑ Cooler Temp. 5.2

IPL

5.1 5

SGS Accutest Sample Receipt Summary

Job Number: JC18920 **Client:** _____ **Project:** _____

Date / Time Received: 4/22/2016 5:10:00 PM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (5.2);

Cooler Temps (Corrected) °C: Cooler 1: (5.6);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

JC18920: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

PARS Environmental Services

Job No: JC18920

WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ
Project No: 565-84

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC18920-1	Collected: 20-APR-16 05:56 By: MN			Received: 22-APR-16	By: AS	
	TGMS-02-A233-CF-P					
JC18920-1	EPA 200.8	25-APR-16 14:09	JO	25-APR-16	JO	PBMS
JC18920-2	Collected: 20-APR-16 05:57 By: MN			Received: 22-APR-16	By: AS	
	TGMS-02-A233-CF-F					
JC18920-2	EPA 200.8	25-APR-16 14:13	JO	25-APR-16	JO	PBMS

SGS Accutest Internal Chain of Custody

Job Number: JC18920
Account: PARS PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ
Received: 04/22/16

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC18920-1.1	Secured Storage	Alfredo Crespo	04/25/16 10:51	Retrieve from Storage
JC18920-1.1	Alfredo Crespo	Secured Staging Area	04/25/16 10:51	Return to Storage
JC18920-1.1	Secured Staging Area	Jaclyn O'Connor	04/25/16 10:54	Retrieve from Storage
JC18920-1.1	Jaclyn O'Connor	Secured Storage	04/25/16 15:00	Return to Storage
JC18920-1.1	Secured Storage	Alfredo Crespo	04/25/16 15:04	Retrieve from Storage
JC18920-1.1	Alfredo Crespo	Secured Staging Area	04/25/16 15:04	Return to Storage
JC18920-1.1	Secured Staging Area	Lucas Schneider	04/25/16 15:23	Retrieve from Storage
JC18920-1.1	Lucas Schneider	Secured Storage	04/25/16 23:42	Return to Storage
JC18920-2.1	Secured Storage	Alfredo Crespo	04/25/16 10:51	Retrieve from Storage
JC18920-2.1	Alfredo Crespo	Secured Staging Area	04/25/16 10:51	Return to Storage
JC18920-2.1	Secured Staging Area	Jaclyn O'Connor	04/25/16 10:54	Retrieve from Storage
JC18920-2.1	Jaclyn O'Connor	Secured Storage	04/25/16 15:00	Return to Storage
JC18920-2.1	Secured Storage	Alfredo Crespo	04/25/16 15:04	Retrieve from Storage
JC18920-2.1	Alfredo Crespo	Secured Staging Area	04/25/16 15:04	Return to Storage
JC18920-2.1	Secured Staging Area	Lucas Schneider	04/25/16 15:23	Retrieve from Storage
JC18920-2.1	Lucas Schneider	Secured Storage	04/25/16 23:42	Return to Storage

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:11	MA39257-STD1	1		STDA
09:15	MA39257-STD2	1		STDA
09:20	MA39257-STD3	1		STDA
09:24	MA39257-STD4	1		STDA
09:29	MA39257-STD5	1		STDA
09:33	MA39257-STD6	1		STDA
09:38	MA39257-STD7	1		STDB
09:42	MA39257-STD8	1		STDC
09:46	MA39257-STD9	1		STDD
09:51	MA39257-STD10	1		STDE
09:55	MA39257-STD11	1		STDF
10:00	MA39257-STD12	1		STDG
10:04	MA39257-STD13	1		STDH
10:08	MA39257-STD14	1		STDI
10:13	MA39257-STD15	1		STDJ
10:23	MA39257-STD16	1		STDA
10:28	MA39257-ICVA1	1		
10:32	MA39257-ICV1	1		60ppb Al.
10:36	MA39257-ICB1	1		
10:41	MA39257-CRI1	1		
10:45	MA39257-ICSA1	1		
10:50	MA39257-ICSAB1	1		
10:55	ZZZZZZ	1		
10:59	ZZZZZZ	1		
11:04	ZZZZZZ	1		
11:13	ZZZZZZ	1		
11:18	ZZZZZZ	1		
11:28	MA39257-CCVA1	1		
11:34	MA39257-CCB1	1		
11:38	ZZZZZZ	1		
11:42	ZZZZZZ	1		
11:47	ZZZZZZ	1		
11:51	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:56	ZZZZZZ	1		
12:00	ZZZZZZ	1		
12:05	ZZZZZZ	1		
12:09	ZZZZZZ	1		
12:13	MA39257-CCVA2	1		
12:18	MA39257-CCB2	1		
12:22	ZZZZZZ	2		
12:27	ZZZZZZ	2		
12:31	ZZZZZZ	1		
12:36	MA39257-CRI2	1		
12:40	ZZZZZZ	5		
12:44	ZZZZZZ	5		
12:49	ZZZZZZ	1		
12:53	MA39257-CRI3	1		
12:58	MA39257-CCVA3	1		
13:02	MA39257-CCB3	1		
13:07	ZZZZZZ	1		
13:11	ZZZZZZ	10		
13:15	ZZZZZZ	10		
13:20	ZZZZZZ	1		
13:24	ZZZZZZ	1		
13:29	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:38	MA39257-CRI4	1		
13:42	MA39257-CCVA4	1		
13:46	MA39257-CCB4	1		
13:51	MP93316-MB1	1		
13:55	MP93316-B1	1		
14:00	MP93316-S1	1		
14:04	MP93316-S2	1		
14:09	JC18920-1	1		
14:13	JC18920-2	1		
---------->	Last reportable sample/prep for job JC18920			
14:17	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:22	ZZZZZZ	1		
14:26	ZZZZZZ	1		
14:31	MA39257-CCVA5	1		
14:35	MA39257-CCB5	1		
---------->	Last reportable CCB for job JC18920			
14:40	MP93268-MB1	1		
14:44	MP93268-B1	1		
14:48	MP93268-B1	2		Ag
14:53	MP93268-S1	1		
14:57	MP93268-S1	2		Ag
15:02	MP93268-S2	1		
15:06	MP93268-S2	2		Ag
15:10	ZZZZZZ	1		
15:15	ZZZZZZ	1		
15:19	MA39257-CCVA6	1		
15:24	MA39257-CCB6	1		
15:28	JC18553-2	1		(sample used for QC only; not part of login JC18920)
15:33	ZZZZZZ	1		
15:37	ZZZZZZ	1		
15:42	ZZZZZZ	1		
15:46	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:55	ZZZZZZ	1		
15:59	ZZZZZZ	1		
16:04	ZZZZZZ	1		
16:08	ZZZZZZ	1		
16:12	MA39257-CCVA7	1		
16:17	MA39257-CCB7	1		
16:21	MP93282-MB1	1		
16:26	MP93282-B1	1		
16:30	MP93282-B1	2		Ag
16:35	MP93282-S1	1		
16:39	MP93282-S1	2		Ag
16:44	MP93282-S2	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:48	MP93282-S2	2		AG
16:52	ZZZZZZ	1		
16:57	ZZZZZZ	1		
17:01	MA39257-CCVA8	1		
17:06	MA39257-CCB8	1		
17:10	JC18565-1	1		(sample used for QC only; not part of login JC18920)
17:15	ZZZZZZ	1		
17:19	ZZZZZZ	1		
17:23	ZZZZZZ	1		
17:28	ZZZZZZ	1		
17:32	ZZZZZZ	1		
17:37	ZZZZZZ	1		
17:41	ZZZZZZ	1		
17:46	MA39257-CCVA9	1		
17:50	MA39257-CCB9	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
09:11	MA39257-STD1	100	100	100	100	100	100	100	100
09:15	MA39257-STD2	100	100	100	100	100	100	100	100
09:20	MA39257-STD3	100	100	100	100	100	100	100	100
09:24	MA39257-STD4	100	100	100	100	100	100	100	100
09:29	MA39257-STD5	100	100	100	100	100	100	100	100
09:33	MA39257-STD6	100	100	100	100	100	100	100	100
09:38	MA39257-STD7	100.588	100.562	98.932	98.74	100.682	99.852	100.258	100.691
09:42	MA39257-STD8	102.257	101.111	100.026	99.342	101.212	100.181	98.994	100.468
09:46	MA39257-STD9	101.484	100.13	99.555	98.973	101.122	99.864	100.649	100.625
09:51	MA39257-STD10	101.84	99.549	98.606	99.708	100.358	99.329	100.137	100.527
09:55	MA39257-STD11	102.133	99.745	98.388	98.103	100.038	98.669	99.766	100.405
10:00	MA39257-STD12	102.391	101.245	99.856	99.485	101.213	99.245	100.652	100.522
10:04	MA39257-STD13	101.204	100.121	97.728	98.275	99.11	97.293	98.933	98.524
10:08	MA39257-STD14	101.365	99.896	97.769	97.498	99.54	97.592	97.718	97.883
10:13	MA39257-STD15	99.988	99.93	97.856	96.928	98.774	96.63	97.416	95.987
10:23	MA39257-STD16	100	100	100	100	100	100	100	100
10:28	MA39257-ICVA1	98.742	100.021	100.715	101.086	100.76	100.7	101.606	97.915
10:32	MA39257-ICV1	97.88	98.588	97.524	99.223	98.357	98.475	99.567	98.712
10:36	MA39257-ICB1	99.107	98.583	97.866	100.455	98.946	98.585	100.699	99.08
10:41	MA39257-CRI1	97.596	98.302	98.28	99.985	99.157	98.563	100.256	99.112
10:45	MA39257-ICSA1	94.127	98.343	101.986	105.814	94.97	97.511	99.957	87.732
10:50	MA39257-ICSAB1	98.716	107.72	111.407	112.099	102.505	103.821	103.749	92.78
10:55	ZZZZZZ	108.625	113.709	111.975	109.066	112.575	109.499	107.054	108.404
10:59	ZZZZZZ	105.392	111.722	111.465	111.083	111.004	109.886	107.896	105.38
11:04	ZZZZZZ	105.005	108.694	108.252	109.337	107.475	107.175	108.533	104.826
11:13	ZZZZZZ	104.413	109.795	108.662	108.462	109.139	108.783	106.969	104.224
11:18	ZZZZZZ	104.196	107.798	107.595	106.418	106.826	106.9	104.534	102.696
11:28	MA39257-CCVA1	104.408	107.865	107.871	106.513	106.141	106.474	104.677	101.452
11:34	MA39257-CCB1	104.738	107.759	107.526	111.896	106.471	105.778	109.985	104.358
11:38	ZZZZZZ	No results reported for the elements associated with this internal standard.							
11:42	ZZZZZZ	No results reported for the elements associated with this internal standard.							
11:47	ZZZZZZ	101.891	106.802	106.056	106.869	105.631	104.554	105.248	102.095
11:51	ZZZZZZ	104.372	108.34	107.543	107.653	107.842	105.948	104.98	103.522

INTERNAL STANDARD SUMMARY

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
11:56	ZZZZZZ	102.385	106.806	105.444	104.841	105.757	103.965	103.248	103.363
12:00	ZZZZZZ	100.867	104.749	103.036	103.604	105.048	102.752	102.17	101.426
12:05	ZZZZZZ	99.641	104.978	103.438	105.401	104.236	102.255	102.534	101.349
12:09	ZZZZZZ	102.613	107.276	105.531	105.992	105.422	103.898	104.135	103.02
12:13	MA39257-CCVA2	102.165	106.109	104.777	105.556	105.264	104.282	103.132	100.944
12:18	MA39257-CCB2	104.638	106.513	104.928	106.069	104.966	103.614	103.902	103.813
12:22	ZZZZZZ	103.342	105.339	103.632	105.008	104.324	102.801	103.654	102.773
12:27	ZZZZZZ	101.26	104.097	102.433	103.064	103.463	100.721	101.559	100.151
12:31	ZZZZZZ	99.837	101.785	100.315	101.782	101.313	99.87	100.204	99.766
12:36	MA39257-CRI2	97.602	101.671	99.866	101.218	100.947	99.532	100.059	98.72
12:40	ZZZZZZ	98.621	101.843	101.166	103.921	100.513	99.471	102.079	97.284
12:44	ZZZZZZ	99.551	103.092	101.979	103.516	101.485	100.679	102.385	98.186
12:49	ZZZZZZ	98.415	102.561	99.786	101.181	101.989	99.653	99.542	99.847
12:53	MA39257-CRI3	97.324	100.314	98.347	99.036	101.077	98.938	99.173	98.789
12:58	MA39257-CCVA3	95.529	101.325	99.701	99.338	100.458	99.027	97.134	97.204
13:02	MA39257-CCB3	96.898	99.516	97.991	98.58	98.903	97.36	98.007	97.07
13:07	ZZZZZZ	96.893	100.789	97.588	97.623	100.235	98.278	97.918	97.382
13:11	ZZZZZZ	94.625	99.568	97.214	97.629	100.626	97.936	97.049	96.477
13:15	ZZZZZZ	94.758	98.585	97.243	98.407	99.25	96.975	97.416	96.791
13:20	ZZZZZZ	94.082	98.06	95.973	97.694	98.214	96.284	97.249	96.023
13:24	ZZZZZZ	94.627	98.85	96.778	99.248	98.361	96.291	98.33	96.588
13:29	ZZZZZZ	95.275	97.887	95.285	97.989	98.23	96.071	97.107	97.232
13:33	ZZZZZZ	93.787	97.155	96.248	97.378	97.718	96.459	96.613	95.467
13:38	MA39257-CRI4	94.277	97.68	96.454	96.824	98.34	95.295	97.003	96.323
13:42	MA39257-CCVA4	93.631	97.526	97.27	96.817	97.705	96.328	96.97	95.443
13:46	MA39257-CCB4	94.074	97.885	95.962	97.12	97.174	95.273	95.568	96.519
13:51	MP93316-MB1	94.075	99.216	95.881	92.44	98.383	95.708	93.248	96.852
13:55	MP93316-B1	94.089	98.583	95.701	96.862	98.769	96.548	97.089	94.829
14:00	MP93316-S1	90.807	97.598	95.865	95.687	98.747	97.175	95.936	93.386
14:04	MP93316-S2	90.451	97.946	97.377	96.725	99.192	98.769	96.31	93.057
14:09	JC18920-1	92.101	99.727	98.035	97.235	99.701	98.533	96.123	93.038
14:13	JC18920-2	94.279	100.518	99.673	99.151	100.329	98.669	98.061	94.128
14:17	ZZZZZZ	94.973	101.699	99.486	99.034	100.481	98.935	97.392	94.904

INTERNAL STANDARD SUMMARY

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
14:22	ZZZZZZ	95.294	101.499	100.374	99.449	100.25	99.848	98.294	93.958
14:26	ZZZZZZ	98.888	101.526	99.759	100.237	100.269	97.19	98.179	98.016
14:31	MA39257-CCVA5	95.825	99.441	97.275	98.616	98.813	97.691	96.532	95.307
14:35	MA39257-CCB5	93.938	97.253	96.519	96.666	97.269	96.107	95.754	95.04
14:40	MP93268-MB1	94.743	97.693	96.799	97.833	97.931	96.744	97.27	95.481
14:44	MP93268-B1	93.576	96.984	96.024	96.697	98.092	97.431	97.328	95.078
14:48	MP93268-B1	93.265	96.828	95.171	97.74	97.065	96.505	97.117	94.969
14:53	MP93268-S1	92.972	96.758	94.733	95.326	96.94	95.338	95.673	93.426
14:57	MP93268-S1	93.112	96.591	94.331	96.324	97.067	95.19	96.393	94.022
15:02	MP93268-S2	92.685	96.985	94.705	95.661	97.353	95.48	95.981	94.019
15:06	MP93268-S2	92.484	95.625	93.622	95.352	96.087	95.444	95.796	93.864
15:10	ZZZZZZ	92.103	95.537	93.263	95.232	96.385	93.795	95.088	95.117
15:15	ZZZZZZ	91.646	97.95	96.797	96.973	99.343	97.142	96.228	93.319
15:19	MA39257-CCVA6	92.497	96.016	94.988	96.294	96.399	94.496	95.038	93.117
15:24	MA39257-CCB6	86.121	90.554	93.764	96.934	89.512	93.977	94.837	88.777
15:28	JC18553-2	93.28	96.784	94.978	96.727	96.603	95.996	96.845	94.144
15:33	ZZZZZZ	92.881	98.834	96.75	97.98	97.07	96.676	96.393	92.624
15:37	ZZZZZZ	94.677	100.472	95.978	98.079	98.345	96.403	96.199	94.372
15:42	ZZZZZZ	92.33	100.935	95.876	96.553	95.979	93.114	94.526	90.315
15:46	ZZZZZZ	93.13	101.615	96.831	98.114	95.707	94.076	95.402	89.905
15:50	ZZZZZZ	97.068	99.181	97.022	97.555	98.901	96.048	97.61	95.476
15:55	ZZZZZZ	95.437	98.79	96.249	97.287	98.003	96.111	96.876	94.496
15:59	ZZZZZZ	96.029	98.838	96.377	98.236	98.992	96.413	97.457	94.774
16:04	ZZZZZZ	95.724	97.493	96.129	97.743	97.945	95.383	97.022	94.833
16:08	ZZZZZZ	95.399	97.767	95.569	97.613	98.051	95.708	97.906	95.525
16:12	MA39257-CCVA7	93.65	96.284	94.106	94.174	96.36	93.539	93.813	92.868
16:17	MA39257-CCB7	93.236	94.994	93.849	95.531	95.039	93.082	94.885	93.395
16:21	MP93282-MB1	94.696	96.052	94.852	96.561	96.39	95.029	96.33	94.902
16:26	MP93282-B1	94.163	96.671	94.559	95.969	96.496	95.149	95.214	93.303
16:30	MP93282-B1	94.026	96.324	93.431	95.237	96.77	94.027	96.648	93.833
16:35	MP93282-S1	92.556	96.653	94.099	96.182	94.969	93.346	94.058	87.946
16:39	MP93282-S1	95.823	99.887	96.796	98.26	98.748	96.76	97.3	92.782
16:44	MP93282-S2	94.223	98.401	94.228	96.097	96.602	93.153	94.683	89.354

INTERNAL STANDARD SUMMARY

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
16:48	MP93282-S2	94.098	97.91	95.148	95.795	96.323	93.342	94.456	90.821
16:52	ZZZZZZ	95.864	96.878	94.215	96.018	96.949	94.884	95.062	95.088
16:57	ZZZZZZ	94.914	97.52	94.99	95.953	97.098	94.847	95.928	94.284
17:01	MA39257-CCVA8	92.304	95.65	92.269	93.936	95.065	93.41	92.186	91.451
17:06	MA39257-CCB8	94.069	95.354	92.947	94.042	94.542	92.174	93.485	93.317
17:10	JC18565-1	94.269	95.752	93.781	95.887	96.662	93.288	94.88	94.003
17:15	ZZZZZZ	95.365	95.544	91.864	94.634	95.452	92.915	94.51	92.592
17:19	ZZZZZZ	94.469	96.058	92.912	95.747	96.532	93.547	95.435	92.767
17:23	ZZZZZZ	90.495	95.616	93.226	95.36	92.497	90.615	91.546	86.047
17:28	ZZZZZZ	92.545	96.901	92.636	94.064	94.339	90.68	91.044	86.005
17:32	ZZZZZZ	95.655	98.055	94.482	95.871	97.427	93.625	94.41	93.953
17:37	ZZZZZZ	92.681	96.603	93.593	95.64	93.653	91.201	91.997	86.349
17:41	ZZZZZZ	96.787	98.667	95.51	97.519	98.419	94.827	96.986	95.875
17:46	MA39257-CCVA9	94.16	95.047	92.044	92.438	95.057	92.14	92.153	91.583
17:50	MA39257-CCB9	91.763	94.197	90.452	91.494	93.653	91.211	90.988	91.727

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Lithium	60-125 %
Istd#2	Scandium (45-1)	60-125 %
Istd#3	Scandium (45-2)	60-125 %
Istd#4	Scandium (45-3)	60-125 %
Istd#5	Germanium (74-1)	60-125 %
Istd#6	Germanium (74-2)	60-125 %
Istd#7	Germanium (74-3)	60-125 %
Istd#8	Rhodium (103-1)	60-125 %

INTERNAL STANDARD SUMMARY

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
09:11	MA39257-STD1	100	100	100	100	100	100	100	100
09:15	MA39257-STD2	100	100	100	100	100	100	100	100
09:20	MA39257-STD3	100	100	100	100	100	100	100	100
09:24	MA39257-STD4	100	100	100	100	100	100	100	100
09:29	MA39257-STD5	100	100	100	100	100	100	100	100
09:33	MA39257-STD6	100	100	100	100	100	100	100	100
09:38	MA39257-STD7	99.49	99.036	101.362	100.354	101.067	100.723	98.983	100.211
09:42	MA39257-STD8	100.25	98.991	100.825	101.032	101.992	101.032	98.66	100.65
09:46	MA39257-STD9	99.944	99.005	100.24	99.983	101.084	101.14	99.55	99.766
09:51	MA39257-STD10	99.82	99.961	99.985	99.881	100.523	100.947	99.865	99.661
09:55	MA39257-STD11	99.24	98.965	99.414	99.281	101.673	100.657	99.377	100.003
10:00	MA39257-STD12	99.758	99.706	102.115	101.533	102.036	102.605	100.892	101.095
10:04	MA39257-STD13	97.975	98.153	99.138	98.083	100.545	99.314	99.622	100.152
10:08	MA39257-STD14	96.497	96.101	99.862	97.723	101.954	99.597	98.826	101.445
10:13	MA39257-STD15	94.799	94.314	97.141	96.946	100.704	99.006	97.989	99.491
10:23	MA39257-STD16	100	100	100	100	100	100	100	100
10:28	MA39257-ICVA1	98.648	98.466	98.68	99.463	100.47	100.068	101.859	100.783
10:32	MA39257-ICV1	98.486	99.709	98.873	98.608	98.209	98.015	100.31	98.526
10:36	MA39257-ICB1	99.263	100.543	99.816	98.603	100.008	98.898	101.318	100.866
10:41	MA39257-CRI1	99.331	100.003	99.403	98.887	99.536	99.129	101.453	100.624
10:45	MA39257-ICSA1	86.642	88.726	91.294	92.565	94.786	92.688	94.145	95.693
10:50	MA39257-ICSAB1	89.734	91.175	96.708	96.616	97.295	95.059	95.293	96.776
10:55	ZZZZZZ	103.733	101.166	107.272	105.604	103.523	100.753	97.906	103.541
10:59	ZZZZZZ	103.143	101.783	106.214	105.777	105.749	102.992	101.412	106.158
11:04	ZZZZZZ	103.205	103.738	105.348	104.361	103.453	100.68	100.901	102.521
11:13	ZZZZZZ	103.017	101.058	104.762	104.801	104.205	103.76	101.44	104.708
11:18	ZZZZZZ	101.651	99.954	103.153	102.691	103.209	101.806	100.173	104.616
11:28	MA39257-CCVA1	100.974	99.129	102.656	102.493	102.814	101.361	99.428	102.89
11:34	MA39257-CCB1	103.782	107.116	104.202	103.684	102.282	101.016	104.471	103.309
11:38	ZZZZZZ	No results reported for the elements associated with this internal standard.							
11:42	ZZZZZZ	No results reported for the elements associated with this internal standard.							
11:47	ZZZZZZ	101.318	99.974	101.727	100.646	98.431	97.61	97.194	99.152
11:51	ZZZZZZ	102.559	101.377	103.676	102.427	100.237	99.396	98.228	101.25

INTERNAL STANDARD SUMMARY

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
11:56	ZZZZZZ	100.734	99.58	103.272	101.18	100.512	97.442	96.683	99.939
12:00	ZZZZZZ	99.19	98.622	100.343	98.797	98.232	95.746	95.169	98.252
12:05	ZZZZZZ	98.692	99.073	100.033	99.175	97.601	95.426	96.458	98.614
12:09	ZZZZZZ	101.671	100.845	102.581	101.43	99.438	97.305	98.483	100.467
12:13	MA39257-CCVA2	98.581	98.402	101.365	99.823	100.899	98.432	98.718	100.606
12:18	MA39257-CCB2	102.344	101.967	102.867	100.825	100.453	98.299	99.968	101.833
12:22	ZZZZZZ	100.106	100.182	101.353	100.022	101.026	97.675	98.479	101.294
12:27	ZZZZZZ	98.981	98.774	99.961	98.745	97.595	95.556	96.613	98.459
12:31	ZZZZZZ	97.388	97.202	99.365	96.704	97.064	94.109	95.798	97.009
12:36	MA39257-CRI2	97.543	96.966	99.126	97.474	96.874	95.226	96.13	96.704
12:40	ZZZZZZ	97.486	97.522	96.703	96.806	95.306	94.148	95.212	95.29
12:44	ZZZZZZ	97.915	98.004	97.797	97.084	96.169	93.646	96.307	96.403
12:49	ZZZZZZ	98.183	97.103	98.734	97.725	96.949	94.802	95.766	97.537
12:53	MA39257-CRI3	96.828	96.77	98.774	96.958	96.613	94.318	95.793	96.695
12:58	MA39257-CCVA3	94.274	93.847	97.41	96.635	96.841	94.65	95.366	97.359
13:02	MA39257-CCB3	95.986	94.854	97.719	96.974	95.905	93.617	93.992	95.812
13:07	ZZZZZZ	95.408	95.291	98.132	95.595	96.538	94.732	95.387	96.626
13:11	ZZZZZZ	95.963	94.364	97.198	96.98	96.53	95.473	95.528	97.155
13:15	ZZZZZZ	94.967	93.982	96.964	96.493	96.372	94.369	96.016	96.875
13:20	ZZZZZZ	95.03	95.074	96.482	95.35	94.459	92.485	94.987	95.952
13:24	ZZZZZZ	95.869	96.838	96.924	96.268	95.085	93.751	95.742	95.487
13:29	ZZZZZZ	94.644	95.17	96.335	95.124	95.032	92.887	94.685	95.574
13:33	ZZZZZZ	94.279	94.621	95.917	95.181	94.549	91.56	93.843	94.012
13:38	MA39257-CRI4	95.195	94.491	96.125	96.507	95.221	93.185	94.985	95.227
13:42	MA39257-CCVA4	93.301	92.621	96.559	95.235	95.713	93.576	94.574	95.52
13:46	MA39257-CCB4	94.335	95.114	96.175	95.233	94.2	92.511	93.95	94.402
13:51	MP93316-MB1	94.844	89.156	96.702	95.809	94.569	91.984	89.04	95.08
13:55	MP93316-B1	93.976	94.293	95.735	95.688	94.799	93.169	95.033	95.59
14:00	MP93316-S1	91.467	90.448	95.304	95.693	96.751	94.187	95.082	97.267
14:04	MP93316-S2	91.656	90.186	95.251	96.737	95.651	94.573	95.018	95.56
14:09	JC18920-1	91.091	90.664	96.823	97.495	96.719	94.696	95.204	96.059
14:13	JC18920-2	91.372	90.058	96.599	98.546	96.657	94.605	95.867	96.734
14:17	ZZZZZZ	92.086	90.622	96.865	98.727	96.079	94.369	94.062	97.208

INTERNAL STANDARD SUMMARY

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
14:22	ZZZZZZ	91.982	91.052	97.306	98.547	95.891	94.984	95.071	96.525
14:26	ZZZZZZ	95.155	95.146	96.809	96.95	93.571	92.325	94.35	94.27
14:31	MA39257-CCVA5	95.047	93.7	95.748	95.775	95.809	94.208	96.117	96.298
14:35	MA39257-CCB5	94.067	93.261	95.44	95.418	93.196	92.427	93.823	93.152
14:40	MP93268-MB1	95.103	95.634	97.017	96.329	93.457	92.61	95.053	94.337
14:44	MP93268-B1	94.449	93.898	95.701	96.088	94.155	93.962	95.215	94.577
14:48	MP93268-B1	95.089	93.647	95.057	95.563	94.249	93.685	95.563	94.868
14:53	MP93268-S1	93.321	92.152	94.875	94.841	94.69	93.478	94.506	94.783
14:57	MP93268-S1	93.858	93.581	94.506	95.739	93.238	93.037	94.498	93.476
15:02	MP93268-S2	93.732	92.304	94.802	94.773	93.986	93.077	93.89	94.883
15:06	MP93268-S2	93.517	92.656	94.714	94.697	94.138	92.677	93.4	94.168
15:10	ZZZZZZ	93.34	93.321	95.432	94.098	92.836	90.74	93.202	94.118
15:15	ZZZZZZ	90.693	90.228	96.196	96.538	96.055	93.982	95.731	96.018
15:19	MA39257-CCVA6	91.733	91.913	93.182	94.162	93.013	92.37	94.238	93.916
15:24	MA39257-CCB6	93.2	93.291	89.257	93.576	88.08	91.032	93.762	88.2
15:28	JC18553-2	93.91	93.199	95.359	96.336	94.53	92.271	94.387	94.451
15:33	ZZZZZZ	91.787	92.049	94.814	95.925	94.42	93.249	94.732	94.465
15:37	ZZZZZZ	92.677	92.59	96.783	95.673	95.837	92.664	95.069	96.516
15:42	ZZZZZZ	87.369	87.554	92.343	92.383	92.61	90.408	92.669	93.01
15:46	ZZZZZZ	88.592	88.511	92.562	92.471	92.85	90.619	93.158	92.615
15:50	ZZZZZZ	94.593	94.223	95.879	96.781	94.38	93.212	95.021	94.528
15:55	ZZZZZZ	93.629	93.653	96.391	96.215	93.917	92.857	94.856	93.822
15:59	ZZZZZZ	93.674	93.026	96.18	95.974	94.247	92.26	93.96	94.403
16:04	ZZZZZZ	94.349	93.846	96.158	96.019	93.39	91.884	94.973	93.42
16:08	ZZZZZZ	93.858	95.282	96.376	95.388	94.122	92.624	95.236	94.093
16:12	MA39257-CCVA7	91.061	90.028	93.839	92.892	93.73	91.421	92.424	94.163
16:17	MA39257-CCB7	92.209	92.997	94.341	93.372	92.234	90.396	92.653	92.443
16:21	MP93282-MB1	93.762	94.315	94.244	93.445	93.762	91.271	94.483	93.186
16:26	MP93282-B1	92.964	92.649	93.808	94.379	93.052	92.065	94.075	93.459
16:30	MP93282-B1	92.971	93.519	94.869	94.09	93.468	92.011	94.496	93.938
16:35	MP93282-S1	86.244	86.702	89.974	89.58	91.899	89.995	91.336	92.583
16:39	MP93282-S1	90.484	90.766	93.565	93.425	93.84	92.548	94.478	93.856
16:44	MP93282-S2	87.072	86.817	91.132	90.078	91.138	90.1	91.421	93.172

INTERNAL STANDARD SUMMARY

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
16:48	MP93282-S2	88.543	88.502	91.868	91.092	92.641	89.982	92.265	93.003
16:52	ZZZZZZ	93.156	93.22	94.908	94.594	92.784	91.231	93.027	93.264
16:57	ZZZZZZ	92.949	93.673	94.572	93.038	92.011	90.715	93.324	92.605
17:01	MA39257-CCVA8	89.883	89.205	93.144	92.558	91.957	91.07	92.051	93.256
17:06	MA39257-CCB8	91.22	91.824	92.889	92.254	91.368	89.286	91.843	91.211
17:10	JC18565-1	92.572	93.512	93.823	92.989	91.683	90.409	93.296	92.509
17:15	ZZZZZZ	90.792	92.611	94.218	92.901	92.833	90.386	93.133	92.888
17:19	ZZZZZZ	92.029	92.054	93.86	93.259	92.587	90.475	92.799	92.856
17:23	ZZZZZZ	84.023	84.567	88.065	87.952	89.307	87.272	89.973	90.345
17:28	ZZZZZZ	84.381	83.893	88.187	88.196	89.032	87.167	89.369	90.09
17:32	ZZZZZZ	92.25	93.063	93.441	92.594	90.659	89.52	92.361	92.421
17:37	ZZZZZZ	84.619	85.02	88.546	88.698	89.181	87.409	89.857	90.337
17:41	ZZZZZZ	93.218	94.066	95.444	94.708	92.704	90.936	93.489	93.289
17:46	MA39257-CCVA9	90.419	90.183	92.636	92.055	93.03	90.446	92.792	93.938
17:50	MA39257-CCB9	90.222	88.584	92.274	91.643	90.357	88.695	88.995	90.372

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#9	Rhodium (103-2)	60-125 %
Istd#10	Rhodium (103-3)	60-125 %
Istd#11	Indium (115-1)	60-125 %
Istd#12	Indium (115-2)	60-125 %
Istd#13	Terbium (159-1)	60-125 %
Istd#14	Terbium (159-2)	60-125 %
Istd#15	Terbium (159-3)	60-125 %
Istd#16	Holmium (165-1)	60-125 %

INTERNAL STANDARD SUMMARY

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#17	Istd#18	Istd#19
09:11	MA39257-STD1	100	100	100
09:15	MA39257-STD2	100	100	100
09:20	MA39257-STD3	100	100	100
09:24	MA39257-STD4	100	100	100
09:29	MA39257-STD5	100	100	100
09:33	MA39257-STD6	100	100	100
09:38	MA39257-STD7	100.716	100.142	100.493
09:42	MA39257-STD8	101.299	102.384	102.182
09:46	MA39257-STD9	100.935	101.291	101.871
09:51	MA39257-STD10	101.142	100.701	101.818
09:55	MA39257-STD11	100.103	101.935	101.312
10:00	MA39257-STD12	101.935	101.097	101.01
10:04	MA39257-STD13	99.959	99.466	98.782
10:08	MA39257-STD14	100.432	99.102	97.975
10:13	MA39257-STD15	99.401	95.989	96.591
10:23	MA39257-STD16	100	100	100
10:28	MA39257-ICVA1	99.683	98.85	97.232
10:32	MA39257-ICV1	97.937	99.221	97.345
10:36	MA39257-ICB1	98.952	100.384	99.028
10:41	MA39257-CRI1	98.309	100.649	98.219
10:45	MA39257-ICSA1	92.665	88.373	84.368
10:50	MA39257-ICSAB1	94.29	88.673	85.193
10:55	ZZZZZZ	99.261	100.811	96.467
10:59	ZZZZZZ	102.913	101.727	98.682
11:04	ZZZZZZ	99.342	100.883	98.007
11:13	ZZZZZZ	103.172	100.381	98.222
11:18	ZZZZZZ	101.155	99.673	97.157
11:28	MA39257-CCVA1	101.322	98.592	97.384
11:34	MA39257-CCB1	100.029	100.599	98.427
11:38	ZZZZZZ	No results reported for the elements associated with this internal standard.		
11:42	ZZZZZZ	No results reported for the elements associated with this internal standard.		
11:47	ZZZZZZ	96.706	97.984	95.27
11:51	ZZZZZZ	98.24	100.012	96.744

INTERNAL STANDARD SUMMARY

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#17	Istd#18	Istd#19
11:56	ZZZZZZ	96.673	99.064	95.546
12:00	ZZZZZZ	95.229	97.181	93.797
12:05	ZZZZZZ	94.613	96.4	93.323
12:09	ZZZZZZ	96.619	98.353	96.123
12:13	MA39257-CCVA2	97.626	97.459	94.353
12:18	MA39257-CCB2	98.418	99.914	96.626
12:22	ZZZZZZ	97.079	99.631	96.074
12:27	ZZZZZZ	95.476	97.73	94.254
12:31	ZZZZZZ	93.84	95.375	92.215
12:36	MA39257-CRI2	94.021	95.092	92.011
12:40	ZZZZZZ	93.253	96.885	93.713
12:44	ZZZZZZ	93.244	95.673	92.768
12:49	ZZZZZZ	94.316	95.669	92.431
12:53	MA39257-CRI3	93.331	95.777	92.405
12:58	MA39257-CCVA3	93.701	94.529	90.272
13:02	MA39257-CCB3	92.741	94.957	91.782
13:07	ZZZZZZ	93.676	95.521	92.532
13:11	ZZZZZZ	95.182	95.535	92.864
13:15	ZZZZZZ	93.899	95.262	92.073
13:20	ZZZZZZ	92.031	94.277	90.854
13:24	ZZZZZZ	92.821	94.802	91.894
13:29	ZZZZZZ	91.686	94.799	90.521
13:33	ZZZZZZ	90.59	92.921	90.524
13:38	MA39257-CRI4	92.326	94.165	91.41
13:42	MA39257-CCVA4	93.096	92.584	90.038
13:46	MA39257-CCB4	91.601	93.311	90.683
13:51	MP93316-MB1	91.785	94.895	91.081
13:55	MP93316-B1	92.649	93.657	92.137
14:00	MP93316-S1	94.349	91.47	89.54
14:04	MP93316-S2	94.065	90.908	88.575
14:09	JC18920-1	94.064	90.686	88.897
14:13	JC18920-2	93.967	90.83	89.128
14:17	ZZZZZZ	94.329	90.499	89.412

INTERNAL STANDARD SUMMARY

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#17	Istd#18	Istd#19
14:22	ZZZZZZ	94.439	88.692	88.537
14:26	ZZZZZZ	90.828	94.611	91.47
14:31	MA39257-CCVA5	94.119	93.202	91.099
14:35	MA39257-CCB5	91.456	93.006	90.812
14:40	MP93268-MB1	92.316	94.79	92.892
14:44	MP93268-B1	93.501	94.19	92.569
14:48	MP93268-B1	93.035	93.818	92.291
14:53	MP93268-S1	92.579	93.818	91.087
14:57	MP93268-S1	92.482	92.935	91.181
15:02	MP93268-S2	92.711	92.034	90.448
15:06	MP93268-S2	91.48	92.549	90.061
15:10	ZZZZZZ	90.315	92.608	89.215
15:15	ZZZZZZ	93.242	91.919	89.158
15:19	MA39257-CCVA6	92.34	90.168	88.782
15:24	MA39257-CCB6	89.673	86.627	89.312
15:28	JC18553-2	92.322	94.087	92.699
15:33	ZZZZZZ	92.623	93.171	91.137
15:37	ZZZZZZ	92.719	94.427	90.449
15:42	ZZZZZZ	90.112	88.617	85.047
15:46	ZZZZZZ	90.148	88.306	85.274
15:50	ZZZZZZ	92.733	94.205	92.051
15:55	ZZZZZZ	92.845	94.503	92.71
15:59	ZZZZZZ	91.629	93.615	90.965
16:04	ZZZZZZ	91.52	93.711	92.077
16:08	ZZZZZZ	92.415	93.365	92.161
16:12	MA39257-CCVA7	90.782	91.315	88.06
16:17	MA39257-CCB7	89.366	91.276	88.17
16:21	MP93282-MB1	91.1	93.653	90.167
16:26	MP93282-B1	92.476	91.68	90.478
16:30	MP93282-B1	91.665	93.349	90.165
16:35	MP93282-S1	89.774	85.816	83.4
16:39	MP93282-S1	92.157	89.671	87.068
16:44	MP93282-S2	89.542	86.253	83.76

INTERNAL STANDARD SUMMARY

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#17	Istd#18	Istd#19
16:48	MP93282-S2	90.288	87.835	85.832
16:52	ZZZZZZ	90.632	91.667	89.537
16:57	ZZZZZZ	90.419	92.299	89.7
17:01	MA39257-CCVA8	90.006	89.567	87.41
17:06	MA39257-CCB8	88.639	89.434	87.245
17:10	JC18565-1	89.916	92.102	89.453
17:15	ZZZZZZ	90.356	93.273	90.377
17:19	ZZZZZZ	89.96	91.927	88.943
17:23	ZZZZZZ	86.813	83.144	80.617
17:28	ZZZZZZ	87.064	83.366	80.131
17:32	ZZZZZZ	89.576	91.074	88.38
17:37	ZZZZZZ	87.072	84.073	80.782
17:41	ZZZZZZ	90.189	92.321	88.342
17:46	MA39257-CCVA9	90.008	90.445	87.533
17:50	MA39257-CCB9	88.25	89.782	86.959

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#17	Holmium (165-2)	60-125 %
Istd#18	Bismuth (209-1)	60-125 %
Istd#19	Bismuth (209-2)	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
QC Limits: result < RL Run ID: MA39257 Units: ug/l

Time: / Sample ID:			10:36 ICB1		11:34 CCB1		12:18 CCB2		13:02 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	25	.34								
Antimony	2.0	.12	anr							
Arsenic	0.50	.025	anr							
Barium	1.0	.011								
Beryllium	0.50	.004	anr							
Boron	25	3.2								
Cadmium	0.50	.011	anr							
Calcium	250	2.7								
Chromium	1.0	.016	anr							
Cobalt	0.50	.003								
Copper	2.0	.1	anr							
Iron	25	.51	anr							
Lead	0.50	.009	-0.0015	<0.50	0.0080	<0.50	0.016	<0.50	0.0096	<0.50
Magnesium	250	.39								
Manganese	1.0	.02	anr							
Molybdenum	1.0	.02								
Nickel	1.0	.025	anr							
Potassium	250	4.9								
Selenium	0.50	.031	anr							
Silver	0.50	.019	anr							
Sodium	250	8.7								
Strontium	5.0	.009								
Thallium	0.50	.016	anr							
Tin	5.0	.019								
Titanium	1.0	.047								
Vanadium	1.0	.045								
Zinc	5.0	.11	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
QC Limits: result < RL Run ID: MA39257 Units: ug/l

Time:			13:46		14:35	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Aluminum	25	.34				
Antimony	2.0	.12	anr			
Arsenic	0.50	.025	anr			
Barium	1.0	.011				
Beryllium	0.50	.004	anr			
Boron	25	3.2				
Cadmium	0.50	.011	anr			
Calcium	250	2.7				
Chromium	1.0	.016	anr			
Cobalt	0.50	.003				
Copper	2.0	.1	anr			
Iron	25	.51	anr			
Lead	0.50	.009	0.024	<0.50	0.024	<0.50
Magnesium	250	.39				
Manganese	1.0	.02	anr			
Molybdenum	1.0	.02				
Nickel	1.0	.025	anr			
Potassium	250	4.9				
Selenium	0.50	.031	anr			
Silver	0.50	.019	anr			
Sodium	250	8.7				
Strontium	5.0	.009				
Thallium	0.50	.016	anr			
Tin	5.0	.019				
Titanium	1.0	.047				
Vanadium	1.0	.045				
Zinc	5.0	.11	anr			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA39257 Units: ug/l

Time:		10:28			10:32			11:28	
Sample ID:	ICVA	ICVA1		ICV	ICV1		CCVA	CCVA1	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	60	57.9	96.5				50	50.3	100.6
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA39257 Units: ug/l

Time:		12:13			12:58			13:42	
Sample ID:	CCVA	CCVA2		CCVA	CCVA3		CCVA	CCVA4	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	50	49.7	99.4	50	49.4	98.8	50	49.7	99.4
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA39257 Units: ug/l

Time:		14:31	
Sample ID:	CCVA	CCVA5	
Metal	True	Results	% Rec
Aluminum			
Antimony	anr		
Arsenic	anr		
Barium			
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	50	49.4	98.8
Magnesium			
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 70 to 130 % Recovery Run ID: MA39257 Units: ug/l

Time:			10:41		12:36		12:53		13:38	
Sample ID:	CRI	CRIA	CRI1		CRI2		CRI3		CRI4	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	25	25								
Antimony	2.0	0.25	anr							
Arsenic	0.50	0.50	anr							
Barium	1.0	0.50								
Beryllium	0.50	0.25	anr							
Boron	25	2.5								
Cadmium	0.50	0.25	anr							
Calcium	250	125								
Chromium	1.0	2.0	anr							
Cobalt	0.50	0.25								
Copper	2.0	2.0	anr							
Iron	25	25	anr							
Lead	0.50	0.25	0.50	100.0	0.50	100.0	0.48	96.0	0.50	100.0
Magnesium	250	125								
Manganese	0.50	0.25	anr							
Molybdenum	1.0	0.50								
Nickel	1.0	2.0	anr							
Potassium	250	125								
Selenium	0.50	0.50	anr							
Silver	0.50	1.0	anr							
Sodium	250	125								
Strontium	5.0	0.50								
Thallium	0.50	0.25	anr							
Tin	5.0	0.50								
Titanium	1.0	0.50								
Vanadium	1.0	2.0								
Zinc	5.0	2.0	anr							

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 80 to 120 % Recovery Run ID: MA39257 Units: ug/l

Time:			10:45		10:50	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	100000	100000	97500	97.5	99600	99.6
Antimony			-0.033		-0.050	
Arsenic		20	0.11		18.4	92.0
Barium			0.13		0.16	
Beryllium			0.011		0.0079	
Boron			3.6		1.6	
Cadmium		20	0.80		18.9	94.5
Calcium	100000	100000	94300	94.3	96900	96.9
Chromium		20	1.2		19.2	96.0
Cobalt		20	0.024		17.5	87.5
Copper		20	0.61		16.9	84.5
Iron	100000	100000	87600	87.6	87500	87.5
Lead			0.20		0.21	
Magnesium	100000	100000	90800	90.8	92600	92.6
Manganese		20	0.34		18.8	94.0
Molybdenum	2000	2000	1880	94.0	1930	96.5
Nickel		20	0.22		16.9	84.5
Potassium	100000	100000	99600	99.6	103000	103.0
Selenium		20	0.027		18.1	90.5
Silver		20	0.024		19.1	95.5
Sodium	100000	100000	95300	95.3	97000	97.0
Strontium			0.73		0.75	
Thallium			0.017		0.0040	
Tin			0.16		0.12	
Titanium	2000	2000	2000	100.0	2030	101.5
Vanadium		20	0.10		20.3	101.5
Zinc		20	1.1		17.1	85.5

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

QC Batch ID: MP93316 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/25/16

Metal	RL	IDL	MDL	MB raw	final
Antimony	0.0020	.00012	.00021		
Barium	0.0010	.000011	.000044		
Beryllium	0.00030	.000004	.000079		
Boron	0.050	.0032			
Calcium	0.25	.0027	.0075		
Lead	0.00050	.000009	.000018	0.000012	<0.00050
Molybdenum	0.0010	.00002	.000059		
Silver	0.0020	.000019	.000022		
Strontium	0.0010	.000009	.000014		
Thallium	0.00050	.000016	.0001		
Tin	0.0010	.000039	.000043		

Associated samples MP93316: JC18920-1, JC18920-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

QC Batch ID: MP93316 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/25/16

Metal	JC18920-1 Original	MS	Spikelot MPXDW7	% Rec	QC Limits
Antimony					
Barium					
Beryllium					
Boron					
Calcium					
Lead	0.011	0.11	0.10	99.0	70-130
Molybdenum					
Silver					
Strontium					
Thallium					
Tin					

Associated samples MP93316: JC18920-1, JC18920-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

QC Batch ID: MP93316 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/25/16

Metal	JC18920-1 Original	MSD	Spikelot MPXDW7	% Rec	MSD RPD	QC Limit
Antimony						
Barium						
Beryllium						
Boron						
Calcium						
Lead	0.011	0.11	0.10	99.0	0.0	20
Molybdenum						
Silver						
Strontium						
Thallium						
Tin						

Associated samples MP93316: JC18920-1, JC18920-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC18920
Account: PARS - PARS Environmental Services
Project: WWP Schools-Grover Middle, 10 Southfield Road, West Windsor, NJ

QC Batch ID: MP93316
Matrix Type: DRINKING WATER

Methods: EPA 200.8
Units: mg/l

Prep Date: 04/25/16

Metal	BSP Result	Spikelot MPXDW7	% Rec	QC Limits
Antimony				
Barium				
Beryllium				
Boron				
Calcium				
Lead	0.094	0.10	94.0	85-115
Molybdenum				
Silver				
Strontium				
Thallium				
Tin				

Associated samples MP93316: JC18920-1, JC18920-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

APPENDIX B
LABORATORY CERTIFICATION

State of New Jersey

Department of Environmental Protection

Certifies That

SGS Accutest Inc. – Wheat Ridge

Laboratory Certification ID # CO007

is hereby approved as a

Nationally Accredited Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List which must accompany this certificate to be valid

having duly met the requirements of the

Regulations Governing the Certification of Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the 2009 TNI Standard approved by the

The NELAC Institute

Expires June 30, 2016

Joseph F. Aiello
Assistant Director

NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

State of New Jersey

Department of Environmental Protection

Certifies That

SGS Accutest Inc. - Dayton

Laboratory Certification ID # 12129

is hereby approved as a

Nationally Accredited Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List which must accompany this certificate to be valid

having duly met the requirements of the

Regulations Governing the Certification of Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the 2009 TNI Standard approved by the

The NELAC Institute

Expires June 30, 2016

Michele M. Potte for JFA

Joseph F. Aiello
Assistant Director

NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

PARS
Environmental
Inc.

LEAD IN DRINKING WATER TESTING REPORT

WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
HIGH SCHOOL NORTH
90 GROVERS MILL ROAD
PLAINSBORO, NEW JERSEY 08536

PREPARED FOR:

West Windsor-Plainsboro Regional School District
505 Village Road West
PO Box 505
West Windsor, New Jersey 08550

PREPARED BY:

PARS Environmental, Inc.
500 Horizon Drive, Suite 540
Robbinsville, New Jersey 08691
Tel: 609-890-7277
Fax: 609-890-9116

PARS Project No. 565-84

April 2016

TABLE OF CONTENTS

EXECUTIVE SUMMARY

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at High School North (HSN). PARS conducted the lead in drinking water testing on March 31, 2016. The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the United States Environmental Protection Agency (USEPA) *3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance (USEPA 3Ts).* PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

FINDINGS

The USEPA National Primary Drinking Water Regulations requires that immediate action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 milligrams per liter (mg/l). Exceedance of the 0.015 mg/l action level was not identified in HSN. A total of 15 water samples were collected and analyzed.

Based on the laboratory analytical results, no further investigation is warranted at this time. PARS recommends periodic testing per state and federal regulations.

1.0 INTRODUCTION

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at High School North (HSN). The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the *USEPA 3Ts*. PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

Sampling methodology is described in Section 2.0, the Lead in Drinking Water Findings are discussed in Section 3.0, and the Conclusions and Recommendations are presented in Section 4.0. A list of the sample locations and results are provided in **Table 1**. The Laboratory Analytical Report and Laboratory NELAC Certification are provided in **Appendix A** and **B**, respectively.

This report is intended for the sole use of WWP. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations, is at risk of said user.

2.0 LEAD IN DRINKING WATER SAMPLING

PARS conducted lead in drinking water testing at the HSN on March 31, 2016. The lead in drinking water sampling was conducted by Christa Casciolini and Melissa Konieczny of PARS.

PARS performed lead in drinking water testing at a total of nine (9) drinking water fountains (bubbler and cooler units) and six (6) faucets in the nurse's office, home economics, teacher's room, classroom, and kitchen locations in the HSN.

All samples were collected following the USEPA First Draw sampling protocol. The First Draw sample collection occurred in the morning prior to the facility opening and before any water was drawn in the building, including toilet flushing. The water was unused for six (6) to eight (8) hours prior to collection. Arrangements were made to sample the water outlets prior to the arrival of teachers and students.

The samples were placed in pre-preserved plastic bottles and submitted for laboratory analysis to SGS Accutest for two-week turnaround. SGS Accutest is a New Jersey Department of Environmental Protection (NJDEP) certified laboratory for lead in drinking water (NELAC #CO007). All samples were analyzed using USEPA Method 200.8 for the determination of trace elements in waters and wastes by inductively coupled plasma – mass spectrometry (ICP-MS). Chain-of-custody protocols were followed.

3.0 LEAD IN DRINKING WATER FINDINGS

Based on the laboratory analytical results, lead concentrations exceeding 0.015 mg/l action level were not identified in the 15 water samples collected at HSN.

Lead in drinking water tabulated results for HSN are provided in **Table 1**. The laboratory analytical report is included in **Appendix A.** The laboratory certification is included in **Appendix B**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

A total of nine (9) drinking water fountains and six (6) faucets in the nurse's office, home economics, teacher's room, classroom, and kitchen locations were tested at the HSN. The USEPA recommends that action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 mg/l. None of the 15 outlets sampled in the HSN exceeded the 0.015 mg/l action level.

Based on the laboratory analytical results, no further investigation is warranted at this time. PARS recommends periodic testing per state and federal regulations.

-o0o-

PARS appreciates the opportunity to assist West Windsor-Plainsboro Regional School District with this project. Should you have any questions or comments please feel free to contact us at (609) 890-7277.

Respectfully submitted,

PARS ENVIRONMENTAL, INC.

Christa M. Casciolini
Project Geologist

Margaret Halasnik
Principal Industrial Hygienist

TABLE 1
DRINKING WATER RESULTS TABLE

TABLE 1
LEAD IN DRINKING WATER TESTING REPORT
WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
NORTH HIGH SCHOOL
APRIL 2016

All samples are primary (first draw) samples.
All faucets sampled are cold water, unless noted.
EPA Action limit = 0.015 milligrams per liter (mg/l)

School:	**North High School**
Sampling Date:	**3/31/2016**

Exceeds EPA Action Limit (> 0.015 mg/l)
Hit = result > 0.00050 detection limit

Accutest Mountain States											**Apr 15, 2016 16:53 pm**
Job Number:	**D81334**										
Account:	**PARS Environmental Services**										
Project:	**WWP Regional, West Windsor-Plainsboro, NJ**										
Project Number:	**NHS**										
										Legend:	Hit
Client Sample ID:		**NHS-01-HTHE-DW-P**	**NHS-01-NVR-NS-P**	**NHS-01-105-EC-P**	**NHS-01-111-CF-P**	**NHS-01-A109-TF-P**	**NHS-01-KIT-KC-P**	**NHS-01-MGYM-DW-P**	**NHS-01-402-DW-P**	**NHS-01-SGYM-DW-P**	**NHS-01-BL-DW-P**
Lab Sample ID:		**D81334-1**	**D81334-2**	**D81334-3**	**D81334-4**	**D81334-5**	**D81334-6**	**D81334-7**	**D81334-8**	**D81334-9**	**D81334-10**
Date Sampled:		**3/31/2016**	**3/31/2016**	**3/31/2016**	**3/31/2016**	**3/31/2016**	**3/31/2016**	**3/31/2016**	**3/31/2016**	**3/31/2016**	**3/31/2016**
Matrix:		**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**
Metals Analysis											
Lead	mg/l	0.001	0.0011	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050

Client Sample ID:		**NHS-01-TGL-DW-P**	**NHS-02-HA211-DW-P**	**NHS-02-A208-TF-P**	**NHS-02-HA203-DW-P**	**NHS-02-H207-DW-P**					
Lab Sample ID:		**D81334-11**	**D81334-12**	**D81334-13**	**D81334-14**	**D81334-15**					
Date Sampled:		**3/31/2016**	**3/31/2016**	**3/31/2016**	**3/31/2016**	**3/31/2016**					
Matrix:		**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**					
Metals Analysis											
Lead	mg/l	<0.00050	<0.00050	<0.00050	<0.00050	0.00099					

Client Sample ID Format: School-Floor-Room-Outlet-Sample Type

Floor:
- 01 = First floor
- 02 = Second floor

Room:
- ### = Room number ###
- ###-### = Sample between room number ### and room #
- H### = Hallway by room number ###
- BL = Boy's locker room
- CAF = Cafeteria
- FR = Faculty room
- GL = Girl's locker room
- KIT = Kitchen
- MGYM = Main gym
- MO = Main office
- NUR = Nurse's office
- SGYM = Small gym
- TGL = Team girl's locker room
- TL = Teacher's lounge
- TP = Teacher's prep room
- PLR = Pool Locker room

Outlet:
- BF = Bathroom faucet
- CF = Classroom faucet
- DW= Drinking water bubbler
- EC = Home economics room, cold
- KC = Kitchen faucet, cold
- LC = Lounge faucet, cold
- NS = Nurse's office sink
- WC = Water cooler (chiller unit)
- TF or TS = Teacher's faucet or Teacher's sink

Sample Type:
- P = Primary (first draw) sample
- F = Flush sample

APPENDIX A
LABORATORY ANALYTICAL REPORT

e-Hardcopy 2.0
Automated Report

Technical Report for

PARS Environmental Services

WWP Regional, West Windsor-Plainsboro, NJ

NHS

SGS Accutest Job Number: D81334

Sampling Date: 03/31/16

Report to:

PARS Environmental, Inc.
500 Horizon Drive Suite 540
Robbinsville, NJ 08691
ccasciolini@ParsEnviro.com

ATTN: Crista Casciolini

Total number of pages in report: **46**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Cristina Araujo 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY
CO (CO00049), EPA 515.4 Provisional

Sections: 1 2 3 4 5 6

Table of Contents

Sample Summary

PARS Environmental Services

Job No: D81334

WWP Regional, West Windsor-Plainsboro, NJ
Project No: NHS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D81334-1	03/31/16	06:49	MK	04/01/16	DW	Drinking Water	NHS-01-HTHE-DW-P
D81334-2	03/31/16	06:53	MK	04/01/16	DW	Drinking Water	NHS-01-NVR-NS-P
D81334-3	03/31/16	06:56	MK	04/01/16	DW	Drinking Water	NHS-01-105-EC-P
D81334-4	03/31/16	07:00	MK	04/01/16	DW	Drinking Water	NHS-01-111-CF-P
D81334-5	03/31/16	07:04	MK	04/01/16	DW	Drinking Water	NHS-01-A109-TF-P
D81334-6	03/31/16	07:14	MK	04/01/16	DW	Drinking Water	NHS-01-KIT-KC-P
D81334-7	03/31/16	07:19	MK	04/01/16	DW	Drinking Water	NHS-01-MGYM-DW-P
D81334-8	03/31/16	07:23	MK	04/01/16	DW	Drinking Water	NHS-01-402-DW-P
D81334-9	03/31/16	07:25	MK	04/01/16	DW	Drinking Water	NHS-01-SGYM-DW-P
D81334-10	03/31/16	07:29	MK	04/01/16	DW	Drinking Water	NHS-01-BL-DW-P
D81334-11	03/31/16	07:36	MK	04/01/16	DW	Drinking Water	NHS-01-TGL-DW-P
D81334-12	03/31/16	07:44	MK	04/01/16	DW	Drinking Water	NHS-02-HA211-DW-P
D81334-13	03/31/16	07:47	MK	04/01/16	DW	Drinking Water	NHS-02-A208-TF-P

Sample Summary
(continued)

PARS Environmental Services

Job No: D81334

WWP Regional, West Windsor-Plainsboro, NJ
Project No: NHS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D81334-14	03/31/16	07:52	MK	04/01/16	DW	Drinking Water	NHS-02-HA203-DW-P
D81334-15	03/31/16	07:54	MK	04/01/16	DW	Drinking Water	NHS-02-H207-DW-P

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	PARS Environmental Services	**Job No**	D81334
Site:	WWP Regional, West Windsor-Plainsboro, NJ	**Report Date**	4/15/2016 4:50:17 PM

On 04/01/2016, 15 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 2.4 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D81334 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Metals By Method EPA 200.8

Matrix: DW **Batch ID:** MP18454

- If required based on the turbidity results, all samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D81334-1MS, D81334-1MSD were used as the QC samples for the metals analysis.

Matrix: DW **Batch ID:** MP18455

- If required based on the turbidity results, all samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D81334-11MS, D81334-11MSD were used as the QC samples for the metals analysis.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Summary of Hits

Job Number: D81334
Account: PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ
Collected: 03/31/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D81334-1	**NHS-01-HTHE-DW-P**					
Lead		0.0010	0.00050		mg/l	EPA 200.8
D81334-2	**NHS-01-NVR-NS-P**					
Lead		0.0011	0.00050		mg/l	EPA 200.8
D81334-3	**NHS-01-105-EC-P**					
No hits reported in this sample.						
D81334-4	**NHS-01-111-CF-P**					
No hits reported in this sample.						
D81334-5	**NHS-01-A109-TF-P**					
No hits reported in this sample.						
D81334-6	**NHS-01-KIT-KC-P**					
No hits reported in this sample.						
D81334-7	**NHS-01-MGYM-DW-P**					
No hits reported in this sample.						
D81334-8	**NHS-01-402-DW-P**					
No hits reported in this sample.						
D81334-9	**NHS-01-SGYM-DW-P**					
No hits reported in this sample.						
D81334-10	**NHS-01-BL-DW-P**					
No hits reported in this sample.						
D81334-11	**NHS-01-TGL-DW-P**					
No hits reported in this sample.						

Summary of Hits

Job Number: D81334
Account: PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ
Collected: 03/31/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D81334-12	**NHS-02-HA211-DW-P**					
No hits reported in this sample.						
D81334-13	**NHS-02-A208-TF-P**					
No hits reported in this sample.						
D81334-14	**NHS-02-HA203-DW-P**					
No hits reported in this sample.						
D81334-15	**NHS-02-H207-DW-P**					
Lead		0.00099	0.00050		mg/l	EPA 200.8

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	NHS-01-HTHE-DW-P		
Lab Sample ID:	D81334-1	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0010	0.015	0.00050	mg/l	1	04/13/16	04/15/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7216
(2) Prep QC Batch: MP18454

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	NHS-01-NVR-NS-P		
Lab Sample ID:	D81334-2	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0011	0.015	0.00050	mg/l	1	04/13/16	04/15/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7216
(2) Prep QC Batch: MP18454

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	NHS-01-105-EC-P		
Lab Sample ID:	D81334-3	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/15/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7216
(2) Prep QC Batch: MP18454

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	NHS-01-111-CF-P		
Lab Sample ID:	D81334-4	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/15/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7216
(2) Prep QC Batch: MP18454

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	NHS-01-A109-TF-P		
Lab Sample ID:	D81334-5	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/15/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7216
(2) Prep QC Batch: MP18454

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	NHS-01-KIT-KC-P		
Lab Sample ID:	D81334-6	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/15/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7216
(2) Prep QC Batch: MP18454

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	NHS-01-MGYM-DW-P		
Lab Sample ID:	D81334-7	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/15/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7216
(2) Prep QC Batch: MP18454

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	NHS-01-402-DW-P		
Lab Sample ID:	D81334-8	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/15/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7216
(2) Prep QC Batch: MP18454

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	NHS-01-SGYM-DW-P		
Lab Sample ID:	D81334-9	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/15/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7216
(2) Prep QC Batch: MP18454

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	NHS-01-BL-DW-P		
Lab Sample ID:	D81334-10	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/15/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7216
(2) Prep QC Batch: MP18454

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	NHS-01-TGL-DW-P		
Lab Sample ID:	D81334-11	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/15/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7216
(2) Prep QC Batch: MP18455

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	NHS-02-HA211-DW-P		
Lab Sample ID:	D81334-12	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/15/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7216
(2) Prep QC Batch: MP18455

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	NHS-02-A208-TF-P		
Lab Sample ID:	D81334-13	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/15/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7216
(2) Prep QC Batch: MP18455

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	NHS-02-HA203-DW-P		
Lab Sample ID:	D81334-14	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/15/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7216
(2) Prep QC Batch: MP18455

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	NHS-02-H207-DW-P		
Lab Sample ID:	D81334-15	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.00099	0.015	0.00050	mg/l	1	04/13/16	04/15/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7216
(2) Prep QC Batch: MP18455

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest Job #: D81334

Client / Reporting Information

Company Name: PARS
Street Address: 500 Horizon Dr, Suite 540
City, State, Zip: Robbinsville, NJ 08691
Project Contact: Christa Casciolini
E-mail: ccasciolini@parsenviro.com
Phone #: 609-890-7277
Fax #:
Sampler(s) Name(s):
Phone #:

Project Information

Project Name: WWP Regional - NHS
Street:
City:
State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City:
State:
Zip:
Attention:

Requested Analysis (see TEST CODE sheet): DW Pb 200.8

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	DW Pb 200.8	LAB USE ONLY
	NHS-01-HTHE-DW-P		3/31/16	6:49	MK		1			1						X	01
	NHS-01-NUR-NS-P		3/31/16	6:53	MK		1			1						X	02
	NHS-01-105-EC-P		3/31/16	6:56	MK		1			1						X	03
	NHS-01-111-CF-P		3/31/16	7:00	MK		1			1						X	04
	NHS-01-A109-TF-P		3/31/16	7:04	MK		1			1						X	05
	NHS-01-KIT-KC-P		3/31/16	7:14	MK		1			1						X	06
	NHS-01-MGYM-DW-P		3/31/16	7:19	MK		1			1						X	07
	NHS-01-402-DW-P		3/31/16	7:23	MK		1			1						X	08
	NHS-01-SGYM-DW-P		3/31/16	7:25	MK		1			1						X	09
	NHS-01-BL-DW-P		3/31/16	7:29	MK		1			1						X	10
	NHS-01-TGL-DW-P		3/31/16	7:36	MK		1			1						X	11
	NHS-02-HA211-DW-P		3/31/16	7:44	MK		1			1						X	12

Turnaround Time (Business days)

- ☐ Std. 10 Business Days
- ☐ 5 Day RUSH
- ☐ 3 Day EMERGENCY
- ☐ 2 Day EMERGENCY
- ☐ 1 Day EMERGENCY
- ☒ other 2week

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- ☐ Commercial "A" (Level 1)
- ☐ Commercial "B" (Level 2)
- ☐ FULLT1 (Level 3+4)
- ☐ NJ Reduced
- ☐ Commercial "C"
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☐ EDD Format
- ☐ Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1 [signature]	Date Time: 3/31/16 1350	Received By: 1 [signature]	Relinquished By: 2 [signature]	Date Time: 3-31 1615	Received By: 2 [signature] 4/1/16 0950
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # FX	☑ Intact ☐ Not intact	Preserved where applicable ☑ TK Ilo On Ice ☐ Cooler Temp. 3.4 .5 SP 2.4

D81334: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

PAGE 2 OF 2

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #:

Client / Reporting Information

Company Name: PARS
Street Address: 500 Horizon Dr, Suite 540
City: Robbinsville State: NJ Zip: 08691
Project Contact: Christa Cassolino E-mail: ccassolino@parsenviro.com
Phone #: 609-890-7297 Fax #:
Sampler(s) Name(s): Phone #:

Project Information

Project Name: WWP Regional - NHS
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

DW
PO
WWP

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
	NHS-02-A208-TF-P		3/31/16	7:47	MK		1			1						13
	NHS-02-HA203-DW-P		3/31/16	7:52	MK		1			1						14
	NHS-02-H207-DW-P		3/31/16	7:54	MK		1			1						15
																16
																17

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [x] other 2week

Emergency & Rush T/A data available VIA Labtink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		3/31/16 1350		2	3-31-16 15:15	2
3	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	[x] Intact [ ] Not Intact	Preserved where applicable: On Ice: Cooler Temp: 0.4

FX

SGS Accutest Sample Receipt Summary

Job Number: D81334 **Client:** PARS **Project:** WWP REGIONAL NHS

Date / Time Received: 4/1/2016 9:50:00 AM **Delivery Method:** **Airbill #'s:** fx

Cooler Temps (Initial/Adjusted): #1: (2.4/2.4);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Bar Therm;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Comments

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

D81334: Chain of Custody
Page 3 of 3

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81334
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041516DW.REP Date Analyzed: 04/15/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7216
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:15	ZZZZZZ	1		
13:18	ZZZZZZ	1		
13:21	MA7216-STD1	1		STDBLK
13:25	MA7216-STD2	1		STD1
13:28	MA7216-STD3	1		STD2
13:31	MA7216-STD4	1		STD3
13:34	MA7216-CRI1	1		Possible analytical problem. See rerun.
13:38	MA7216-CRI2	1		
13:41	MA7216-ICV1	1		
13:44	MA7216-CCV1	1		
13:47	MA7216-CCB1	1		
13:50	MP18454-MB1	1		
13:53	MP18454-B1	1		
13:56	D81334-1	1		
13:59	MP18454-S1	1		
14:03	MP18454-S2	1		
14:06	D81334-2	1		
14:09	MA7216-CCV2	1		
14:12	MA7216-CCB2	1		
14:15	D81334-3	1		
14:18	D81334-4	1		
14:21	D81334-5	1		
14:24	D81334-6	1		
14:27	D81334-7	1		
14:30	D81334-8	1		
14:33	D81334-9	1		
14:36	D81334-10	1		
14:39	MP18455-MB1	1		
14:42	MP18455-B1	1		
14:45	MA7216-CCV3	1		
14:49	MA7216-CCB3	1		
14:52	D81334-11	1		
14:55	MP18455-S1	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81334
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041516DW.REP Date Analyzed: 04/15/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7216
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:58	MP18455-S2	1		
15:01	D81334-12	1		
15:04	D81334-13	1		
15:07	D81334-14	1		
15:10	D81334-15	1		
15:13	MP18420-MB1	1		
15:16	MP18420-B1	1		
15:19	D81332-1	1		(sample used for QC only; not part of login D81334)
15:22	MA7216-CCV4	1		
15:25	MA7216-CCB4	1		
15:28	MP18420-S1	1		
15:32	MP18420-S2	1		
15:35	ZZZZZZ	1		
15:38	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:44	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:53	ZZZZZZ	1		
15:56	ZZZZZZ	1		
15:59	MA7216-CCV5	1		
16:02	MA7216-CCB5	1		
16:05	ZZZZZZ	1		
16:08	MP18455-B1	1		not needed
---------->	Last reportable sample/prep for job D81334			
16:11	MA7216-CCV6	1		
16:14	MA7216-CCB6	1		
---------->	Last reportable CCB for job D81334			
	Refer to raw data for calibration curve and standards.			

INTERNAL STANDARD SUMMARY

Login Number: D81334
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041516DW.REP Date Analyzed: 04/15/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7216
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
13:15	ZZZZZZ	308573	283629
13:18	ZZZZZZ	301829	278572
13:21	MA7216-STD1	310219 R	281224 R
13:25	MA7216-STD2	307897	280508
13:28	MA7216-STD3	301836	268974
13:31	MA7216-STD4	284337	258740
13:34	MA7216-CRI1	282156	260836
13:38	MA7216-CRI2	288754	264238
13:41	MA7216-ICV1	290200	263206
13:44	MA7216-CCV1	297691	265137
13:47	MA7216-CCB1	280480	259905
13:50	MP18454-MB1	268704	242373
13:53	MP18454-B1	274899	244638
13:56	D81334-1	283537	241275
13:59	MP18454-S1	275239	241090
14:03	MP18454-S2	282711	243100
14:06	D81334-2	276656	240772
14:09	MA7216-CCV2	295575	265356
14:12	MA7216-CCB2	281422	261298
14:15	D81334-3	270406	235770
14:18	D81334-4	266242	232292
14:21	D81334-5	274439	235624
14:24	D81334-6	275101	234138
14:27	D81334-7	271084	232843
14:30	D81334-8	273609	237108
14:33	D81334-9	273463	237830
14:36	D81334-10	274890	237775
14:39	MP18455-MB1	273673	246249
14:42	MP18455-B1	275348	242993
14:45	MA7216-CCV3	291939	261555
14:49	MA7216-CCB3	283723	259344
14:52	D81334-11	279251	239717
14:55	MP18455-S1	276956	237711

INTERNAL STANDARD SUMMARY

Login Number: D81334
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041516DW.REP Date Analyzed: 04/15/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7216
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
14:58	MP18455-S2	273457	236414
15:01	D81334-12	276113	235837
15:04	D81334-13	270539	233115
15:07	D81334-14	265399	228594
15:10	D81334-15	271497	229627
15:13	MP18420-MB1	291933	266736
15:16	MP18420-B1	292365	257488
15:19	D81332-1	285547	246735
15:22	MA7216-CCV4	286445	255320
15:25	MA7216-CCB4	284968	254427
15:28	MP18420-S1	287581	242101
15:32	MP18420-S2	282270	241352
15:35	ZZZZZZ	283786	243611
15:38	ZZZZZZ	282865	242231
15:41	ZZZZZZ	284932	242502
15:44	ZZZZZZ	285616	245237
15:47	ZZZZZZ	280270	239525
15:50	ZZZZZZ	284212	244954
15:53	ZZZZZZ	275732	240262
15:56	ZZZZZZ	275932	242536
15:59	MA7216-CCV5	285476	251655
16:02	MA7216-CCB5	288647	258346
16:05	ZZZZZZ	283060	242354
16:08	MP18455-B1	286573	252956
16:11	MA7216-CCV6	288157	254846
16:14	MA7216-CCB6	279843	255953

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %
Istd#2	Bismuth	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81334
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041516DW.REP Date Analyzed: 04/15/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7216 Units: ug/l

Time: / Sample ID:			13:47 CCB1		14:12 CCB2		14:49 CCB3		15:25 CCB4	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Copper	2.0	.06	anr							
Lead	0.50	.0079	0.090	<0.50	0.074	<0.50	0.16	<0.50	0.075	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81334
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041516DW.REP Date Analyzed: 04/15/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7216 Units: ug/l

Time:			16:02		16:14	
Sample ID:			CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final
Copper	2.0	.06	anr			
Lead	0.50	.0079	0.057	<0.50	0.11	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81334
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041516DW.REP Date Analyzed: 04/15/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7216 Units: ug/l

Time:		13:41			13:44			14:09	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	100	98.2	98.2	50	51.6	103.2	50	51.3	102.6

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81334
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041516DW.REP Date Analyzed: 04/15/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7216 Units: ug/l

Time:		14:45			15:22			15:59	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	50	51.1	102.2	50	50.9	101.8	50	51.1	102.2

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81334
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041516DW.REP Date Analyzed: 04/15/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7216 Units: ug/l

Time:		16:11	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Copper	anr		
Lead	50	50.7	101.4

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: D81334
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041516DW.REP Date Analyzed: 04/15/16 Methods: EPA 200.8
QC Limits: 50 to 150 % Recovery Run ID: MA7216 Units: ug/l

Time:			13:34		13:38	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Copper	2.0	2.0	anr			
Lead	0.50	0.50	0.72	144.0	0.54	108.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D81334
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18454 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	RL	IDL	MDL	MB raw	MB final
Copper	0.0020	.00006	.00014		
Lead	0.00050	.0000079	.00001	0.000037	<0.00050

Associated samples MP18454: D81334-1, D81334-2, D81334-3, D81334-4, D81334-5, D81334-6, D81334-7, D81334-8, D81334-9, D81334-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81334
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18454 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81334-1 Original	MS	Spikelot ICPALL2	% Rec	QC Limits
Copper					
Lead	0.0010	0.19	0.20	94.5	70-130

Associated samples MP18454: D81334-1, D81334-2, D81334-3, D81334-4, D81334-5, D81334-6, D81334-7, D81334-8, D81334-9, D81334-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81334
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18454 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81334-1 Original	MSD	Spikelot ICPALL2	% Rec	MSD RPD	QC Limit
Copper						
Lead	0.0010	0.19	0.20	94.5	17.1	20

Associated samples MP18454: D81334-1, D81334-2, D81334-3, D81334-4, D81334-5, D81334-6, D81334-7, D81334-8, D81334-9, D81334-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D81334
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18454 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	BSP Result	Spikelot ICPALL2	% Rec	QC Limits
Copper				
Lead	0.19	0.20	95.0	85-115

Associated samples MP18454: D81334-1, D81334-2, D81334-3, D81334-4, D81334-5, D81334-6, D81334-7, D81334-8, D81334-9, D81334-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D81334
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18455 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	RL	IDL	MDL	MB raw	final
Copper	0.0020	.00006	.00014		
Lead	0.00050	.0000079	.00001	0.000030	<0.00050

Associated samples MP18455: D81334-11, D81334-12, D81334-13, D81334-14, D81334-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81334
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18455 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81334-11 Original	MS	Spikelot ICPALL2	% Rec	QC Limits
Copper					
Lead	0.00033	0.17	0.20	84.8	70-130

Associated samples MP18455: D81334-11, D81334-12, D81334-13, D81334-14, D81334-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81334
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18455 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81334-11 Original	MSD	Spikelot ICPALL2	% Rec	MSD RPD	QC Limit
Copper						
Lead	0.00033	0.19	0.20	94.8	11.1	20

Associated samples MP18455: D81334-11, D81334-12, D81334-13, D81334-14, D81334-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D81334
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18455 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	BSP Result	Spikelot ICPALL2	% Rec	QC Limits
Copper				
Lead	0.18	0.20	90.0	85-115

Associated samples MP18455: D81334-11, D81334-12, D81334-13, D81334-14, D81334-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

APPENDIX B
LABORATORY CERTIFICATION

State of New Jersey

Department of Environmental Protection

Certifies That

SGS Accutest Inc. – Wheat Ridge

Laboratory Certification ID # CO007

is hereby approved as a

Nationally Accredited Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List which must accompany this certificate to be valid

having duly met the requirements of the

Regulations Governing the Certification of Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the 2009 TNI Standard approved by the

The NELAC Institute

Expires June 30, 2016

Joseph F. Aiello
Assistant Director

NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

PARS
Environmental
Inc.

LEAD IN DRINKING WATER TESTING REPORT

WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
HIGH SCHOOL SOUTH
346 CLARKSVILLE ROAD
WEST WINDSOR, NEW JERSEY 08550

PREPARED FOR:

West Windsor-Plainsboro Regional School District
505 Village Road West
PO Box 505
West Windsor, New Jersey 08550

PREPARED BY:

PARS Environmental, Inc.
500 Horizon Drive, Suite 540
Robbinsville, New Jersey 08691
Tel: 609-890-7277
Fax: 609-890-9116

PARS Project No. 565-84

April 2016

TABLE OF CONTENTS

EXECUTIVE SUMMARY

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at the High School South (HSS). PARS conducted the lead in drinking water testing on March 30, 2016 and April 20, 2016. The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the United States Environmental Protection Agency (USEPA) *3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance (USEPA 3Ts)*. PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

FINDINGS

The USEPA National Primary Drinking Water Regulations requires that immediate action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 milligrams per liter (mg/l). Exceedance of the 0.015 mg/l action level was identified in one sample in the HSS. A total of 17 water samples were collected and analyzed. Laboratory analysis revealed that the hallway by room C1 water cooler was above the action level of 0.015 mg/l. The hallway by room C1 water cooler was initially sampled on March 31, 2016, and re-sampled on April 20, 2016. The lead levels decreased from 0.058 mg/l to 0.012 mg/l in the primary First Draw sample collected. The lead levels further decreased to 0.0027 mg/l in the 15 minute Flush sample collected. The 0.015 mg/l action level was not exceeded in the re-sampling of the hallway by room C1 water cooler.

Based on the laboratory analytical results, no further investigation is warranted at this time. PARS recommends periodic flushing of the school taps and testing per state and federal regulations.

1.0 INTRODUCTION

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at the High School South (HSS). The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the *USEPA 3Ts*. PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

Sampling methodology is described in Section 2.0, the Lead in Drinking Water Findings are discussed in Section 3.0, and the Conclusions and Recommendations are presented in Section 4.0. A list of the sample locations and results are provided in **Table 1**. The Laboratory Analytical Report and Laboratory NELAC Certification are provided in **Appendix A** and **B**, respectively.

This report is intended for the sole use of WWP. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations, is at risk of said user.

2.0 LEAD IN DRINKING WATER SAMPLING

PARS conducted lead in drinking water testing at the HSS on March 31, 2016 and April 20, 2016. The lead in drinking water sampling was conducted by Christa Casciolini, Melissa Konieczny, and Michael Nixon of PARS.

PARS performed lead in drinking water testing at a total of eight (8) drinking water fountains (bubbler and cooler units) and seven (7) faucets in the nurse's office, kitchen, teacher's lounge, teacher's prep room, home economics, and classroom locations in the HSS.

All samples were collected following the USEPA First Draw sampling protocol. The First Draw sample collection occurred in the morning prior to the facility opening and before any water was drawn in the building, including toilet flushing. The water was unused for six (6) to eight (8) hours prior to collection. Arrangements were made to sample the water outlets prior to the arrival of teachers and students.

The samples were placed in pre-preserved plastic bottles and submitted for laboratory analysis to SGS Accutest for two-week turnaround. SGS Accutest is a New Jersey Department of Environmental Protection (NJDEP) certified laboratory for lead in drinking water (NELAC #CO007 and #12129). All samples were analyzed using USEPA Method 200.8 for the determination of trace elements in waters and wastes by inductively coupled plasma – mass spectrometry (ICP-MS). Chain-of-custody protocols were followed.

3.0 LEAD IN DRINKING WATER FINDINGS

Exceedance of the 0.015 mg/l action level was identified in one sample in the HSS. A total of 17 water samples were collected and analyzed. Laboratory analysis revealed that the hallway by room C1 water cooler was above the action level of 0.015 mg/l. The hallway by room C1 water cooler was initially sampled on March 31, 2016, and re-sampled on April 20, 2016. The lead levels decreased from 0.058 mg/l to 0.012 mg/l in the primary First Draw sample collected. The lead levels further decreased to 0.0027 mg/l in the 15 minute Flush sample collected. The 0.015 mg/l action level was not exceeded in the re-sampling of the hallway by room C1 water cooler.

Lead in drinking water tabulated results for the HSS are provided in **Table 1**. The laboratory analytical report is included in **Appendix A.** The laboratory certification is included in **Appendix B**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

A total of s eight (8) drinking water fountains (bubbler and cooler units) and seven (7) faucets in the nurse's office, kitchen, teacher's lounge, teacher's prep room, home economics, and classroom locations were tested in the HSS. The USEPA recommends that action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 mg/l. Exceedance of the 0.015 mg/l action level was identified in one sample in the HSS. A total of 17 water samples were collected and analyzed. Laboratory analysis revealed that the hallway by room C1 water cooler was above the action level of 0.015 mg/l. The hallway by room C1 water cooler was initially sampled on March 31, 2016, and re-sampled on April 20, 2016. The lead levels decreased from 0.058 mg/l to 0.012 mg/l in the primary First Draw sample collected. The lead levels further decreased to 0.0027 mg/l in the 15 minute Flush sample collected. The 0.015 mg/l action level was not exceeded in the re-sampling of the hallway by room C1 water cooler.

Based on the laboratory analytical results, no further investigation is warranted at this time. PARS recommends periodic flushing of the school taps and testing per state and federal regulations.

-o0o-

PARS appreciates the opportunity to assist West Windsor-Plainsboro Regional School District with this project. Should you have any questions or comments please feel free to contact us at (609) 890-7277.

Respectfully submitted,

PARS ENVIRONMENTAL, INC.

Christa M. Casciolini
Project Geologist

Margaret Halasnik
Principal Industrial Hygienist

TABLE 1
DRINKING WATER RESULTS TABLE

TABLE 1
LEAD IN DRINKING WATER TESTING REPORT
WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
HIGH SCHOOL SOUTH
APRIL 2016

All samples are primary (first draw) samples. Except for one (1) 15 minute flush sample collected on 4/20/16 during re-sampling of the hallway water cooler by room C1.
All faucets sampled are cold water, unless noted.
EPA Action limit = 0.015 milligrams per liter (mg/l)

School:	**High School South**
Sampling Date:	**3/30/2016**

Exceeds EPA Action Limit (> 0.015 mg/l)
Hit = result > 0.00050 detection limit

03/31/16 Initial Sampling

Accutest Mountain States											**4/15/2016 12:17**
Job Number:	**D81333**										
Account:	**PARS Environmental Services**										
Project:	**WWP Regional, West Windsor-Plainsboro, NJ**										
Project Number:	**High School South**										
										Legend:	Hit
Client Sample ID:		**SHS-01-NOR-NS-P**	**SHS-01-H900-WC-**	**SHS-01-H700A-WC-P**	**SHS-02-TP-TF-P**	**SHS-01-401-EC-P**	**SHS-01-KIT-KS-P**	**SHS-01-TL-TF-P**	**SHS-01-PLR-WC-P**	**SHS-01-MGYM-WC-P**	**SHS-01-92-CF-P**
Lab Sample ID:		**D81333-1**	**D81333-2**	**D81333-3**	**D81333-4**	**D81333-5**	**D81333-6**	**D81333-7**	**D81333-8**	**D81333-9**	**D81333-10**
Date Sampled:		**3/31/2016**	**3/31/2016**	**3/31/2016**	**3/31/2016**	**3/31/2016**	**3/31/2016**	**3/31/2016**	**3/31/2016**	**3/31/2016**	**3/31/2016**
Matrix:		**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**
Metals Analysis											
Lead	mg/l	0.0018	0.0017	0.00099	0.0011	0.0018	0.0014	0.0016	<0.00050	0.0013	0.009
Client Sample ID:		**SHS-01-H96-WC-P**	**SHS-01-H101-WC-P**	**SHS-01-108-CF-P**	**SHS-02-H204-WC-P**	**SHS-01-HC1-WC-P**					
Lab Sample ID:		**D81333-11**	**D81333-12**	**D81333-13**	**D81333-14**	**D81333-15**					
Date Sampled:		**3/31/2016**	**3/31/2016**	**3/31/2016**	**3/31/2016**	**3/31/2016**					
Matrix:		**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**					
Metals Analysis											
Lead	mg/l	<0.00050	<0.00050	0.00068	<0.00050	0.058					

TABLE 1
LEAD IN DRINKING WATER TESTING REPORT
WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
HIGH SCHOOL SOUTH
APRIL 2016

All samples are primary (first draw) samples. Except for one (1) 30 second flush sample collected on 4/20/16 during re-sampling of the room A233 classroom faucet.
All faucets sampled are cold water, unless noted.
EPA Action limit = 0.015 milligrams per liter (mg/l)

School:	**High School South**
Sampling Date:	**4/20/2016**

Exceeds EPA Action Limit (> 0.015 mg/l)
Hit = result > 0.00050 detection limit

04/20/16 Resampling

Accutest New Jersey			**Apr 26, 2016 13:47 pm**
Job Number:	**JC18921**		
Account:	**PARS Environmental Services**		
Project:	**WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ**		
Project Number:	**565-84**		
		Legend:	Hit
Client Sample ID:		**SHS-01-HC1-WC-P**	**SHS-01-HC1-WC-F**
Date Sampled:		**4/20/2016**	**4/20/2016**
Matrix:		**Drinking Water**	**Drinking Water**
Metals Analysis			
Lead	mg/l	0.012	0.0027

Client Sample ID Format: School-Floor-Room-Outlet-Sample Type

Floor:
- 01 = First floor
- 02 = Second floor

Room:
- ### = Room number ###
- ###-### = Sample between room number ### and room #
- H### = Hallway by room number ###
- BL = Boy's locker room
- CAF = Cafeteria
- FR = Faculty room
- GL = Girl's locker room
- KIT = Kitchen
- MGYM = Main gym
- MO = Main office
- NUR = Nurse's office
- SGYM = Small gym
- TGL = Team girl's locker room
- TL = Teacher's lounge
- TP = Teacher's prep room
- PLR = Pool Locker room

Outlet:
- BF = Bathroom faucet
- CF = Classroom faucet
- DW= Drinking water bubbler
- EC = Home economics room, cold
- KC = Kitchen faucet, cold
- LC = Lounge faucet, cold
- NS = Nurse's office sink
- WC = Water cooler (chiller unit)
- TF or TS = Teacher's faucet or Teacher's sink

Sample Type:
- P = Primary (first draw) sample
- F = Flush sample

APPENDIX A
LABORATORY ANALYTICAL REPORTS

e-Hardcopy 2.0
Automated Report

Technical Report for

PARS Environmental Services

WWP Regional, West Windsor-Plainsboro, NJ

SHS

SGS Accutest Job Number: D81333

Sampling Date: 03/31/16

Report to:

PARS Environmental, Inc.
500 Horizon Drive Suite 540
Robbinsville, NJ 08691
ccasciolini@ParsEnviro.com

ATTN: Crista Casciolini

Total number of pages in report: **58**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Cristina Araujo 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY
CO (CO00049), EPA 515.4 Provisional

Sections: 1 2 3 4 5 6

Table of Contents

Sample Summary

PARS Environmental Services

Job No: D81333

WWP Regional, West Windsor-Plainsboro, NJ
Project No: SHS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D81333-1	03/31/16	08:27	MK	04/01/16	DW	Drinking Water	SHS-01-NOR-NS-P
D81333-2	03/31/16	08:37	MK	04/01/16	DW	Drinking Water	SHS-01-H900-WC-P
D81333-3	03/31/16	08:40	MK	04/01/16	DW	Drinking Water	SHS-01-H700A-WC-P
D81333-4	03/31/16	08:45	MK	04/01/16	DW	Drinking Water	SHS-02-TP-TF-P
D81333-5	03/31/16	08:53	MK	04/01/16	DW	Drinking Water	SHS-01-401-EC-P
D81333-6	03/31/16	08:58	MK	04/01/16	DW	Drinking Water	SHS-01-KIT-KS-P
D81333-7	03/31/16	09:03	MK	04/01/16	DW	Drinking Water	SHS-01-TL-TF-P
D81333-8	03/31/16	09:08	MK	04/01/16	DW	Drinking Water	SHS-01-PLR-WC-P
D81333-9	03/31/16	09:12	MK	04/01/16	DW	Drinking Water	SHS-01-MGYM-WC-P
D81333-10	03/31/16	09:17	MK	04/01/16	DW	Drinking Water	SHS-01-92-CF-P
D81333-11	03/31/16	09:20	MK	04/01/16	DW	Drinking Water	SHS-01-H96-WC-P
D81333-12	03/31/16	09:26	MK	04/01/16	DW	Drinking Water	SHS-01-H101-WC-P
D81333-13	03/31/16	09:28	MK	04/01/16	DW	Drinking Water	SHS-01-108-CF-P

Sample Summary
(continued)

PARS Environmental Services

Job No: D81333

WWP Regional, West Windsor-Plainsboro, NJ
Project No: SHS

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D81333-14	03/31/16	09:33	MK	04/01/16	DW	Drinking Water	SHS-02-H204-WC-P
D81333-15	03/31/16	09:40	MK	04/01/16	DW	Drinking Water	SHS-01-HC1-WC-P

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	PARS Environmental Services	**Job No**	D81333
Site:	WWP Regional, West Windsor-Plainsboro, NJ	**Report Date**	4/14/2016 7:52:06 PM

On 04/01/2016, 15 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 2.1 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D81333 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Metals By Method EPA 200.8

Matrix: DW **Batch ID:** MP18452

- If required based on turbidity results, all samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D81333-1MS, D81333-1MSD were used as the QC samples for the metals analysis.

Matrix: DW **Batch ID:** MP18453

- If required based on turbidity results, all samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D81333-6MS, D81333-6MSD were used as the QC samples for the metals analysis.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Summary of Hits

Job Number: D81333
Account: PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ
Collected: 03/31/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D81333-1	**SHS-01-NOR-NS-P**					
Lead		0.0018	0.00050		mg/l	EPA 200.8
D81333-2	**SHS-01-H900-WC-P**					
Lead		0.0017	0.00050		mg/l	EPA 200.8
D81333-3	**SHS-01-H700A-WC-P**					
Lead		0.00099	0.00050		mg/l	EPA 200.8
D81333-4	**SHS-02-TP-TF-P**					
Lead		0.0011	0.00050		mg/l	EPA 200.8
D81333-5	**SHS-01-401-EC-P**					
Lead		0.0018	0.00050		mg/l	EPA 200.8
D81333-6	**SHS-01-KIT-KS-P**					
Lead		0.0014	0.00050		mg/l	EPA 200.8
D81333-7	**SHS-01-TL-TF-P**					
Lead		0.0016	0.00050		mg/l	EPA 200.8
D81333-8	**SHS-01-PLR-WC-P**					
No hits reported in this sample.						
D81333-9	**SHS-01-MGYM-WC-P**					
Lead		0.0013	0.00050		mg/l	EPA 200.8
D81333-10	**SHS-01-92-CF-P**					
Lead		0.0090	0.00050		mg/l	EPA 200.8
D81333-11	**SHS-01-H96-WC-P**					
No hits reported in this sample.						

Summary of Hits

Job Number: D81333
Account: PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ
Collected: 03/31/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D81333-12	**SHS-01-H101-WC-P**					
No hits reported in this sample.						
D81333-13	**SHS-01-108-CF-P**					
Lead		0.00068	0.00050		mg/l	EPA 200.8
D81333-14	**SHS-02-H204-WC-P**					
No hits reported in this sample.						
D81333-15	**SHS-01-HC1-WC-P**					
Lead		0.058	0.00050		mg/l	EPA 200.8

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SHS-01-NOR-NS-P		
Lab Sample ID:	D81333-1	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0018	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18452

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	SHS-01-H900-WC-P		
Lab Sample ID:	D81333-2	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0017	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18452

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	SHS-01-H700A-WC-P		
Lab Sample ID:	D81333-3	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.00099	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18452

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	SHS-02-TP-TF-P		
Lab Sample ID:	D81333-4	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0011	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18452

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	SHS-01-401-EC-P		
Lab Sample ID:	D81333-5	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0018	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18452

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	SHS-01-KIT-KS-P		
Lab Sample ID:	D81333-6	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0014	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18453

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	SHS-01-TL-TF-P		
Lab Sample ID:	D81333-7	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0016	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18453

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	SHS-01-PLR-WC-P		
Lab Sample ID:	D81333-8	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18453

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	SHS-01-MGYM-WC-P		
Lab Sample ID:	D81333-9	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0013	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18453

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	SHS-01-92-CF-P		
Lab Sample ID:	D81333-10	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0090	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18453

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	SHS-01-H96-WC-P		
Lab Sample ID:	D81333-11	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18453

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	SHS-01-H101-WC-P		
Lab Sample ID:	D81333-12	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18453

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	SHS-01-108-CF-P		
Lab Sample ID:	D81333-13	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.00068	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18453

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	SHS-02-H204-WC-P		
Lab Sample ID:	D81333-14	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18453

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	SHS-01-HC1-WC-P		
Lab Sample ID:	D81333-15	**Date Sampled:**	03/31/16
Matrix:	DW - Drinking Water	**Date Received:**	04/01/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.058	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18453

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

PAGE 1 OF 2

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: D81333

Client / Reporting Information

Company Name: PARS
Street Address: 500 Horizon Dr, Suite 540
City: Robbinsville State: NJ Zip: 08691
Project Contact: Christa Casciolini E-mail: ccasciolini@parsenviro.com
Phone #: 609-890-7277 Fax #:
Sampler(s) Name(s): Phone #:

Project Information

Project Name: WWP Regional - SHS
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

DW PO 2008

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB-Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
	SHS-01-NOR-NS-P		3/31/16	8:27	MK		1			1						01
	SHS-01-H900-WC-P		3/31/16	8:37	MK		1			1						02
	SHS-01-H700A-WC-P		3/31/16	8:40	MK		1			1						03
	SHS-02-TP-TF-P		3/31/16	8:45	MK		1			1						04
	SHS-01-401-EC-P		3/31/16	8:53	MK		1			1						05
	SHS-01-KIT-KS-P		3/31/16	8:58	MK		1			1						06
	SHS-01-TL-TF-P		3/31/16	9:03	MK		1			1						07
	SHS-01-PLR-WC-P		3/31/16	9:08	MK		1			1						08
	SHS-01-MGYM-WC-P		3/31/16	9:12	MK		1			1						09
	SHS-01-92-CF-P		3/31/16	9:17	MK		1			1						10
	SHS-01-H96-WC-P		3/31/16	9:20	MK		1			1						11
	SHS-01-H101-WC-P		3/31/16	9:26	MK		1			1						12

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [x] other 2 week

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULL T1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		3/31/16 1350			3-1-16 1615	
2						
3						
4						
5						

Custody Seal #: Intact / Not Intact — Preserved where applicable — On Ice — Cooler Temp: 0.1 °C

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # D81333

Client / Reporting Information

Company Name: PARS
Street Address: 500 Horizon Dr, Suite 540
City / State / Zip: Robbinsville, NJ 08691
Project Contact: Christa Cascioli / E-mail: ccascioli@parsenviro.com
Phone #: 609-890-7277
Fax #:
Sampler(s) Name(s): / Phone #:

Project Information

Project Name: WWP-Regional-SHS
Street:
City: / State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (If different from Report to): Company Name / Street Address / City / State / Zip / Attention:

Requested Analysis (see TEST CODE sheet): DW Pb 200.8

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	DW Pb 200.8	LAB USE ONLY
	SHS-01-108-CF-P		3/31/16	9:28	MK		1			1						X	13
	SHS-02-H204-WC-P		3/31/16	9:33	MK		1			1						X	14
	SHS-01-HC1-WC-P		3/31/16	9:40	MK		1			1						X	15

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL - Sludge, SED - Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB - Field Blank, EB - Equipment Blank, RB - Rinse Blank, TB - Trip Blank

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [x] other 2 week

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	3/31/16 1350	1 [signature]	2 [signature]	3-31-16 15	2 [signature] 4/1/16 0950
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	☐ Intact ☐ Not Intact	Preserved where applicable ☐ On Ice ☐ Cooler Temp. 0.9°C

D81333: Chain of Custody
Page 2 of 3

SGS Accutest Sample Receipt Summary

Job Number: D81333 **Client:** PARS **Project:** WWP REGIONAL SHS

Date / Time Received: 4/1/2016 9:50:00 AM **Delivery Method:** **Airbill #'s:** fx

Cooler Temps (Initial/Adjusted): #1: (2.1/2.1);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Bar Therm;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Comments

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:39	ZZZZZZ	1		
07:42	ZZZZZZ	1		
07:46	MA7209-STD1	1		STDBLK
07:49	MA7209-STD2	1		STD1
07:52	MA7209-STD3	1		STD2
07:55	MA7209-STD4	1		STD3
07:58	MA7209-CRI1	1		Possible analytical problem. See rerun.
08:03	MA7209-CRI2	1		
08:06	MA7209-ICV1	1		
08:09	MA7209-ICB1	1		
08:12	MA7209-CCV1	1		
08:15	MA7209-CCB1	1		
08:18	ZZZZZZ	1		
08:21	MP18448-MB1	1		
08:24	MP18448-B1	1		
08:27	D81292-1	1		(sample used for QC only; not part of login D81333)
08:30	MP18448-S1	1		
08:34	MA7209-CCV2	1		
08:37	MA7209-CCB2	1		
08:40	MP18448-S2	1		
08:43	ZZZZZZ	1		
08:46	ZZZZZZ	1		
08:49	ZZZZZZ	1		
08:52	ZZZZZZ	1		
08:55	ZZZZZZ	1		
08:58	ZZZZZZ	1		
09:01	ZZZZZZ	1		
09:04	ZZZZZZ	1		
09:04	ZZZZZZ	1		
09:07	ZZZZZZ	1		
09:10	MA7209-CCV3	1		
09:13	MA7209-CCB3	1		
09:17	MP18449-MB1	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:20	MP18449-B1	1		
09:23	D81293-1	1		(sample used for QC only; not part of login D81333)
09:26	MP18449-S1	1		
09:29	MP18449-S2	1		
09:32	ZZZZZZ	1		
09:35	ZZZZZZ	1		
09:38	ZZZZZZ	1		
09:41	ZZZZZZ	1		
09:44	ZZZZZZ	1		
09:47	MA7209-CCV4	1		
09:50	MA7209-CCB4	1		
09:54	ZZZZZZ	1		
09:57	ZZZZZZ	1		
10:00	ZZZZZZ	1		
10:03	ZZZZZZ	1		
10:06	ZZZZZZ	1		
10:09	MP18450-MB1	1		
10:12	MP18450-B1	1		
10:15	D81293-6	1		(sample used for QC only; not part of login D81333)
10:18	MP18450-S1	1		
10:21	MP18450-S2	1		
10:24	MA7209-CCV5	1		
10:28	MA7209-CCB5	1		
10:31	ZZZZZZ	1		
10:34	ZZZZZZ	1		
10:37	ZZZZZZ	1		
10:40	ZZZZZZ	1		
10:43	ZZZZZZ	1		
10:46	ZZZZZZ	1		
10:49	ZZZZZZ	1		
10:52	ZZZZZZ	1		
10:55	ZZZZZZ	1		
10:58	MP18451-MB1	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:01	MA7209-CCV6	1		
11:04	MA7209-CCB6	1		
11:07	MP18451-B1	1		
11:10	D81294-1	1		(sample used for QC only; not part of login D81333)
11:14	MP18451-S1	1		
11:17	MP18451-S2	1		
11:20	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:26	ZZZZZZ	1		
11:29	ZZZZZZ	1		
11:32	ZZZZZZ	1		
11:35	ZZZZZZ	1		
11:38	MA7209-CCV7	1		
11:41	MA7209-CCB7	1		
11:44	ZZZZZZ	1		
11:47	ZZZZZZ	1		
11:50	ZZZZZZ	1		
11:53	MP18447-MB1	1		
11:56	MP18447-B1	1		
12:00	D81295-1	1		(sample used for QC only; not part of login D81333)
12:03	MP18447-S1	1		
12:06	MP18447-S2	1		
12:09	ZZZZZZ	1		
12:12	ZZZZZZ	1		
12:15	MA7209-CCV8	1		
12:18	MA7209-CCB8	1		
12:21	ZZZZZZ	1		
12:24	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:40	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:43	MP18452-MB1	1		
12:46	MP18452-B1	1		see rerun
12:49	D81333-1	1		
12:52	MA7209-CCV9	1		
12:55	MA7209-CCB9	1		
12:58	MP18452-S1	1		
13:01	MP18452-S2	1		
13:04	ZZZZZZ	1		
13:07	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:13	ZZZZZZ	1		
13:17	ZZZZZZ	1		
13:20	D81333-2	1		
13:23	D81333-3	1		
13:26	D81333-4	1		
13:29	MA7209-CCV10	1		
13:32	MA7209-CCB10	1		
13:35	D81333-5	1		
13:38	MA7209-CCV11	1		
13:41	MA7209-CCB11	1		
14:03	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:09	MP18453-MB1	1		
14:12	MP18453-B1	1		
14:15	D81333-6	1		
14:26	MP18453-S1	1		
14:29	MP18453-S2	1		
14:32	D81333-7	1		
14:35	D81333-8	1		
14:38	MP18452-B1	1		
14:41	MA7209-CCV12	1		
14:44	MA7209-CCB12	1		
14:48	D81333-9	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:51	D81333-10	1		
14:54	D81333-11	1		
14:57	D81333-12	1		
15:00	D81333-13	1		
15:03	D81333-14	1		
15:06	D81333-15	1		
---------->	Last reportable sample/prep for job D81333			
15:09	MP18454-MB1	1		
15:12	MP18454-B1	1		
15:15	D81334-1	1		(sample used for QC only; not part of login D81333)
15:18	MA7209-CCV13	1		
15:21	MA7209-CCB13	1		
---------->	Last reportable CCB for job D81333			
15:24	MP18454-S1	1		
15:28	MP18454-S2	1		
15:31	ZZZZZZ	1		
15:34	ZZZZZZ	1		
15:37	ZZZZZZ	1		
15:40	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:46	ZZZZZZ	1		
15:49	ZZZZZZ	1		
15:52	ZZZZZZ	1		
15:55	MA7209-CCV14	1		
15:58	MA7209-CCB14	1		
16:01	ZZZZZZ	1		
16:04	MP18455-MB1	1		
16:07	MP18455-B1	1		
16:11	D81334-11	1		(sample used for QC only; not part of login D81333)
16:14	MP18455-S1	1		
16:17	MP18455-S2	1		
16:20	ZZZZZZ	1		
16:23	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:29	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:32	MA7209-CCV15	1		
16:35	MA7209-CCB15	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
07:39	ZZZZZZ	454198	502850
07:42	ZZZZZZ	443803	488302
07:46	MA7209-STD1	440446 R	488787 R
07:49	MA7209-STD2	432812	477471
07:52	MA7209-STD3	444552	471684
07:55	MA7209-STD4	418479	449504
07:58	MA7209-CRI1	No results reported for the elements associated with this internal standard.	
08:03	MA7209-CRI2	427738	455261
08:06	MA7209-ICV1	441305	467474
08:09	MA7209-ICB1	423330	464361
08:12	MA7209-CCV1	437487	468907
08:15	MA7209-CCB1	425164	462506
08:18	ZZZZZZ	393164	392547
08:21	MP18448-MB1	401369	417516
08:24	MP18448-B1	396977	418679
08:27	D81292-1	411118	413248
08:30	MP18448-S1	415297	409788
08:34	MA7209-CCV2	440520	469021
08:37	MA7209-CCB2	411664	454809
08:40	MP18448-S2	408626	403631
08:43	ZZZZZZ	400515	399454
08:46	ZZZZZZ	401357	405168
08:49	ZZZZZZ	403967	405826
08:52	ZZZZZZ	405563	404771
08:55	ZZZZZZ	410066	408196
08:58	ZZZZZZ	404010	402560
09:01	ZZZZZZ	404652	397730
09:04	ZZZZZZ	402293	401894
09:04	ZZZZZZ	402293	401894
09:07	ZZZZZZ	406563	402074
09:10	MA7209-CCV3	439057	470400
09:13	MA7209-CCB3	421464	456896
09:17	MP18449-MB1	400391	403203

INTERNAL STANDARD SUMMARY

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
09:20	MP18449-B1	399236	410408
09:23	D81293-1	404435	404959
09:26	MP18449-S1	401844	403961
09:29	MP18449-S2	401753	404009
09:32	ZZZZZZ	402501	398455
09:35	ZZZZZZ	406017	393104
09:38	ZZZZZZ	401059	401168
09:41	ZZZZZZ	398197	399160
09:44	ZZZZZZ	399848	400904
09:47	MA7209-CCV4	433177	455140
09:50	MA7209-CCB4	417109	449909
09:54	ZZZZZZ	396983	394592
09:57	ZZZZZZ	391415	390231
10:00	ZZZZZZ	400484	395177
10:03	ZZZZZZ	407978	399118
10:06	ZZZZZZ	409640	396550
10:09	MP18450-MB1	415820	418350
10:12	MP18450-B1	408609	405182
10:15	D81293-6	410586	402601
10:18	MP18450-S1	406917	398840
10:21	MP18450-S2	407613	403050
10:24	MA7209-CCV5	432231	449692
10:28	MA7209-CCB5	423323	449467
10:31	ZZZZZZ	401905	390589
10:34	ZZZZZZ	399604	392980
10:37	ZZZZZZ	409739	393477
10:40	ZZZZZZ	402904	397071
10:43	ZZZZZZ	407746	396539
10:46	ZZZZZZ	415698	400216
10:49	ZZZZZZ	406956	400821
10:52	ZZZZZZ	406046	399513
10:55	ZZZZZZ	402207	397845
10:58	MP18451-MB1	411878	406337

INTERNAL STANDARD SUMMARY

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
11:01	MA7209-CCV6	433782	450090
11:04	MA7209-CCB6	420244	441583
11:07	MP18451-B1	410443	398362
11:10	D81294-1	419007	399880
11:14	MP18451-S1	414012	400717
11:17	MP18451-S2	413388	401939
11:20	ZZZZZZ	403070	398111
11:23	ZZZZZZ	407605	386406
11:26	ZZZZZZ	415288	394425
11:29	ZZZZZZ	405192	392371
11:32	ZZZZZZ	410577	397729
11:35	ZZZZZZ	405172	387233
11:38	MA7209-CCV7	440801	447223
11:41	MA7209-CCB7	421386	436272
11:44	ZZZZZZ	399478	386705
11:47	ZZZZZZ	400781	387378
11:50	ZZZZZZ	413019	389909
11:53	MP18447-MB1	417677	411702
11:56	MP18447-B1	407027	396094
12:00	D81295-1	415831	393077
12:03	MP18447-S1	419655	402165
12:06	MP18447-S2	424122	403599
12:09	ZZZZZZ	402781	384413
12:12	ZZZZZZ	403429	387983
12:15	MA7209-CCV8	435341	436507
12:18	MA7209-CCB8	423104	429492
12:21	ZZZZZZ	412393	385949
12:24	ZZZZZZ	407628	383985
12:27	ZZZZZZ	409041	382610
12:30	ZZZZZZ	407799	385156
12:33	ZZZZZZ	406922	386009
12:36	ZZZZZZ	412740	384586
12:40	ZZZZZZ	401709	382824

INTERNAL STANDARD SUMMARY

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
12:43	MP18452-MB1	420241	401814
12:46	MP18452-B1	419395	397055
12:49	D81333-1	409448	385797
12:52	MA7209-CCV9	430672	429843
12:55	MA7209-CCB9	417749	417025
12:58	MP18452-S1	418230	385399
13:01	MP18452-S2	407146	383643
13:04	ZZZZZZ	408302	371466
13:07	ZZZZZZ	403689	379674
13:10	ZZZZZZ	411539	386596
13:13	ZZZZZZ	403197	370721
13:17	ZZZZZZ	416680	381802
13:20	D81333-2	407648	378587
13:23	D81333-3	406024	374405
13:26	D81333-4	408407	372818
13:29	MA7209-CCV10	435942	413205
13:32	MA7209-CCB10	416214	413753
13:35	D81333-5	404822	362076
13:38	MA7209-CCV11	426568	411895
13:41	MA7209-CCB11	409523	407424
14:03	ZZZZZZ	399108	396795
14:06	ZZZZZZ	402218	391683
14:09	MP18453-MB1	378082	358105
14:12	MP18453-B1	386228	358559
14:15	D81333-6	385509	348769
14:26	MP18453-S1	442219	399666
14:29	MP18453-S2	443365	396207
14:32	D81333-7	449246	398780
14:35	D81333-8	444286	403215
14:38	MP18452-B1	454603	416082
14:41	MA7209-CCV12	468425	438157
14:44	MA7209-CCB12	451676	437854
14:48	D81333-9	442401	390657

INTERNAL STANDARD SUMMARY

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
14:51	D81333-10	434061	388030
14:54	D81333-11	436439	389973
14:57	D81333-12	433379	398082
15:00	D81333-13	433018	390290
15:03	D81333-14	438752	396637
15:06	D81333-15	436893	392775
15:09	MP18454-MB1	439537	408730
15:12	MP18454-B1	441209	411082
15:15	D81334-1	458521	404752
15:18	MA7209-CCV13	457636	435374
15:21	MA7209-CCB13	459158	433288
15:24	MP18454-S1	442295	391423
15:28	MP18454-S2	440358	395621
15:31	ZZZZZZ	436245	388935
15:34	ZZZZZZ	461829	401670
15:37	ZZZZZZ	444145	394619
15:40	ZZZZZZ	449474	393011
15:43	ZZZZZZ	451943	398244
15:46	ZZZZZZ	437027	390707
15:49	ZZZZZZ	448391	389810
15:52	ZZZZZZ	437339	388114
15:55	MA7209-CCV14	472414	432918
15:58	MA7209-CCB14	466454	427440
16:01	ZZZZZZ	442701	389333
16:04	MP18455-MB1	435724	401241
16:07	MP18455-B1	447171	399546
16:11	D81334-11	442706	394660
16:14	MP18455-S1	449020	389823
16:17	MP18455-S2	457686	401654
16:20	ZZZZZZ	438817	386681
16:23	ZZZZZZ	436385	387160
16:26	ZZZZZZ	444957	392716
16:29	ZZZZZZ	444459	388988

INTERNAL STANDARD SUMMARY

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
16:32	MA7209-CCV15	478033	431753
16:35	MA7209-CCB15	461755	422103

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %
Istd#2	Bismuth	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7209 Units: ug/l

Time: / Sample ID:			08:09 ICB1		08:15 CCB1		08:37 CCB2		09:13 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Copper	2.0	.06	anr							
Lead	0.50	.0079	0.15	<0.50	0.083	<0.50	0.12	<0.50	0.067	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7209 Units: ug/l

Time: / Sample ID:			09:50 CCB4		10:28 CCB5		11:04 CCB6		11:41 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Copper	2.0	.06	anr							
Lead	0.50	.0079	0.071	<0.50	0.11	<0.50	0.088	<0.50	0.077	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7209 Units: ug/l

Time: / Sample ID:			12:18 CCB8		12:55 CCB9		13:32 CCB10		13:41 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Copper	2.0	.06	anr							
Lead	0.50	.0079	0.095	<0.50	0.095	<0.50	0.080	<0.50	0.073	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7209 Units: ug/l

Time:			14:44		15:21	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Copper	2.0	.06				
Lead	0.50	.0079	0.17	<0.50	0.10	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		08:06			08:12			08:34	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	100	102	102.0	50	51.4	102.8	50	52.3	104.6

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		09:10			09:47			10:24	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	50	51.6	103.2	50	52.2	104.4	50	51.5	103.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		11:01			11:38			12:15	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	50	52.1	104.2	50	50.4	100.8	50	51.1	102.2

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		12:52			13:29			13:38	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	50	49.6	99.2	50	50.1	100.2	50	49.9	99.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		14:41			15:18	
Sample ID:	CCV	CCV12		CCV	CCV13	
Metal	True	Results	% Rec	True	Results	% Rec
Copper						
Lead	50	46.9	93.8	50	46.3	92.6

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 50 to 150 % Recovery Run ID: MA7209 Units: ug/l

Time:			08:03	
Sample ID:	CRI	CRIA	CRI2	
Metal	True	True	Results	% Rec
Copper	2.0	2.0	anr	
Lead	0.50	0.50	0.51	102.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18452 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	RL	IDL	MDL	MB raw	final
Copper	0.0020	.00006	.00014		
Lead	0.00050	.0000079	.00001	0.000018	<0.00050

Associated samples MP18452: D81333-1, D81333-2, D81333-3, D81333-4, D81333-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18452 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81333-1 Original	MS	Spikelot ICPALL2	% Rec	QC Limits
Copper					
Lead	0.0018	0.17	0.20	84.1	70-130

Associated samples MP18452: D81333-1, D81333-2, D81333-3, D81333-4, D81333-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18452 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81333-1 Original	MSD	Spikelot ICPALL2	% Rec	MSD RPD	QC Limit
Copper						
Lead	0.0018	0.17	0.20	84.1	0.0	20

Associated samples MP18452: D81333-1, D81333-2, D81333-3, D81333-4, D81333-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18452 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	BSP Result	Spikelot ICPALL2	% Rec	QC Limits
Copper				
Lead	0.17	0.20	85.0	85-115

Associated samples MP18452: D81333-1, D81333-2, D81333-3, D81333-4, D81333-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18453 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	RL	IDL	MDL	MB raw	final
Copper	0.0020	.00006	.00014		
Lead	0.00050	.0000079	.00001	0.0000020	<0.00050

Associated samples MP18453: D81333-6, D81333-7, D81333-8, D81333-9, D81333-10, D81333-11, D81333-12, D81333-13, D81333-14, D81333-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18453 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81333-6 Original	MS	Spikelot ICPALL2	% Rec	QC Limits
Copper					
Lead	0.0014	0.16	0.20	79.3	70-130

Associated samples MP18453: D81333-6, D81333-7, D81333-8, D81333-9, D81333-10, D81333-11, D81333-12, D81333-13, D81333-14, D81333-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18453 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81333-6 Original	MSD	Spikelot ICPALL2	% Rec	MSD RPD	QC Limit
Copper						
Lead	0.0014	0.18	0.20	89.3	11.8	20

Associated samples MP18453: D81333-6, D81333-7, D81333-8, D81333-9, D81333-10, D81333-11, D81333-12, D81333-13, D81333-14, D81333-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D81333
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18453 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	BSP Result	Spikelot ICPALL2	% Rec	QC Limits
Copper				
Lead	0.20	0.20	100.0	85-115

Associated samples MP18453: D81333-6, D81333-7, D81333-8, D81333-9, D81333-10, D81333-11, D81333-12, D81333-13, D81333-14, D81333-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

e-Hardcopy 2.0
Automated Report

Technical Report for

PARS Environmental Services

WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ 565-84

SGS Accutest Job Number: JC18921

Sampling Date: 04/20/16

Report to:

PARS Environmental, Inc.
500 Horizon Drive Suite 540
Robbinsville, NJ 08691
RTorres@ParsEnviro.com

ATTN: Rafael Torres

Total number of pages in report: **41**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

Sections: 1 2 3 4 5 6

Table of Contents

Sample Summary

PARS Environmental Services

Job No: JC18921

WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ
Project No: 565-84

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC18921-1	04/20/16	06:00	MN	04/22/16	DW	Drinking Water	SHS-01-HC1-WC-P
JC18921-2	04/20/16	06:15	MN	04/22/16	DW	Drinking Water	SHS-01-HC1-WC-F

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	PARS Environmental Services	**Job No**	JC18921
Site:	WWP Schools-High School South, 346 Clarksville Road, Princeton	**Report Date**	5/2/2016 4:03:22 PM

On 04/22/2016, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 5.6 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JC18921 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

Metals By Method EPA 200.8

Matrix: DW **Batch ID:** MP93316

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC18920-1MS, JC18920-1MSD were used as the QC samples for metals.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JC18921
Account: PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ
Collected: 04/20/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC18921-1	**SHS-01-HC1-WC-P**					
Lead		0.012	0.00050		mg/l	EPA 200.8
JC18921-2	**SHS-01-HC1-WC-F**					
Lead		0.0027	0.00050		mg/l	EPA 200.8

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SHS-01-HC1-WC-P		
Lab Sample ID:	JC18921-1	**Date Sampled:**	04/20/16
Matrix:	DW - Drinking Water	**Date Received:**	04/22/16
		Percent Solids:	n/a
Project:	WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.012	0.015	0.00050	mg/l	1	04/25/16	04/25/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39257
(2) Prep QC Batch: MP93316

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	SHS-01-HC1-WC-F		
Lab Sample ID:	JC18921-2	**Date Sampled:**	04/20/16
Matrix:	DW - Drinking Water	**Date Received:**	04/22/16
		Percent Solids:	n/a
Project:	WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0027	0.015	0.00050	mg/l	1	04/25/16	04/25/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39257
(2) Prep QC Batch: MP93316

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ACCUTEST LABORATORIES

DW

CHAIN OF CUSTODY

PAGE ___ OF ___

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # JC18921

Client / Reporting Information

Company Name: PARS Environmental Inc.
Street Address: 500 Horizon Drive, Suite 540
City State Zip: Robbinsville, NJ 08691
Project Contact: Rafael L. Torres, III E-mail:
Phone #: 609-890-7277 Fax #: 609-890-9116
Sampler(s) Name(s): Mike Nixon Phone #: 609-414-2188

Project Information

Project Name: WWP Schools - High School South
Street: 346 Clarksville Road
City State: Princeton Junction NJ
Project #: 565-84
Client Purchase Order #:
Project Manager: Rafael L. Torres, III

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	PBMS	LAB USE ONLY
1	SHS-01-HC1-WC-P		4/20/16	0600	MN	DW	1			1						1	A23
2	SHS-01-HC1-WC-F		4/20/16	0615	MN	DW	1			1						1	

INITIAL ASESSMENT JBS

LABEL VERIFICATION JS

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [X] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] other

Emergency & Rush T/A data available VIA Labilnk

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		4/20/16	1	2	4-22-16 1710	2
3	Relinquished by Sampler:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal # ☐ Intact ☐ Not intact	Preserved where applicable	On Ice ☑ Cooler Temp. 5.2

5.1 5

JC18921: Chain of Custody
Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: JC18921 **Client:** _____ **Project:** _____

Date / Time Received: 4/22/2016 5:10:00 PM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (5.2);

Cooler Temps (Corrected) °C: Cooler 1: (5.6);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

JC18921: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

PARS Environmental Services

Job No: JC18921

WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ
Project No: 565-84

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC18921-1	Collected: 20-APR-16 06:00 By: MN			Received: 22-APR-16	By: AS	
SHS-01-HC1-WC-P						
JC18921-1	EPA 200.8	25-APR-16 14:17	JO	25-APR-16	JO	PBMS
JC18921-2	Collected: 20-APR-16 06:15 By: MN			Received: 22-APR-16	By: AS	
SHS-01-HC1-WC-F						
JC18921-2	EPA 200.8	25-APR-16 14:22	JO	25-APR-16	JO	PBMS

SGS Accutest Internal Chain of Custody

Job Number: JC18921
Account: PARS PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ
Received: 04/22/16

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC18921-1.1	Secured Storage	Alfredo Crespo	04/25/16 10:51	Retrieve from Storage
JC18921-1.1	Alfredo Crespo	Secured Staging Area	04/25/16 10:51	Return to Storage
JC18921-1.1	Secured Staging Area	Jaclyn O'Connor	04/25/16 10:54	Retrieve from Storage
JC18921-1.1	Jaclyn O'Connor	Secured Storage	04/25/16 15:00	Return to Storage
JC18921-1.1	Secured Storage	Alfredo Crespo	04/25/16 15:04	Retrieve from Storage
JC18921-1.1	Alfredo Crespo	Secured Staging Area	04/25/16 15:04	Return to Storage
JC18921-1.1	Secured Staging Area	Lucas Schneider	04/25/16 15:23	Retrieve from Storage
JC18921-1.1	Lucas Schneider	Secured Storage	04/25/16 23:42	Return to Storage
JC18921-2.1	Secured Storage	Alfredo Crespo	04/25/16 10:51	Retrieve from Storage
JC18921-2.1	Alfredo Crespo	Secured Staging Area	04/25/16 10:51	Return to Storage
JC18921-2.1	Secured Staging Area	Jaclyn O'Connor	04/25/16 10:54	Retrieve from Storage
JC18921-2.1	Jaclyn O'Connor	Secured Storage	04/25/16 15:00	Return to Storage
JC18921-2.1	Secured Storage	Alfredo Crespo	04/25/16 15:04	Retrieve from Storage
JC18921-2.1	Alfredo Crespo	Secured Staging Area	04/25/16 15:04	Return to Storage
JC18921-2.1	Secured Staging Area	Lucas Schneider	04/25/16 15:23	Retrieve from Storage
JC18921-2.1	Lucas Schneider	Secured Storage	04/25/16 23:42	Return to Storage

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:11	MA39257-STD1	1		STDA
09:15	MA39257-STD2	1		STDA
09:20	MA39257-STD3	1		STDA
09:24	MA39257-STD4	1		STDA
09:29	MA39257-STD5	1		STDA
09:33	MA39257-STD6	1		STDA
09:38	MA39257-STD7	1		STDB
09:42	MA39257-STD8	1		STDC
09:46	MA39257-STD9	1		STDD
09:51	MA39257-STD10	1		STDE
09:55	MA39257-STD11	1		STDF
10:00	MA39257-STD12	1		STDG
10:04	MA39257-STD13	1		STDH
10:08	MA39257-STD14	1		STDI
10:13	MA39257-STD15	1		STDJ
10:23	MA39257-STD16	1		STDA
10:28	MA39257-ICVA1	1		
10:32	MA39257-ICV1	1		60ppb Al.
10:36	MA39257-ICB1	1		
10:41	MA39257-CRI1	1		
10:45	MA39257-ICSA1	1		
10:50	MA39257-ICSAB1	1		
10:55	ZZZZZZ	1		
10:59	ZZZZZZ	1		
11:04	ZZZZZZ	1		
11:13	ZZZZZZ	1		
11:18	ZZZZZZ	1		
11:28	MA39257-CCVA1	1		
11:34	MA39257-CCB1	1		
11:38	ZZZZZZ	1		
11:42	ZZZZZZ	1		
11:47	ZZZZZZ	1		
11:51	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:56	ZZZZZZ	1		
12:00	ZZZZZZ	1		
12:05	ZZZZZZ	1		
12:09	ZZZZZZ	1		
12:13	MA39257-CCVA2	1		
12:18	MA39257-CCB2	1		
12:22	ZZZZZZ	2		
12:27	ZZZZZZ	2		
12:31	ZZZZZZ	1		
12:36	MA39257-CRI2	1		
12:40	ZZZZZZ	5		
12:44	ZZZZZZ	5		
12:49	ZZZZZZ	1		
12:53	MA39257-CRI3	1		
12:58	MA39257-CCVA3	1		
13:02	MA39257-CCB3	1		
13:07	ZZZZZZ	1		
13:11	ZZZZZZ	10		
13:15	ZZZZZZ	10		
13:20	ZZZZZZ	1		
13:24	ZZZZZZ	1		
13:29	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:38	MA39257-CRI4	1		
13:42	MA39257-CCVA4	1		
13:46	MA39257-CCB4	1		
13:51	MP93316-MB1	1		
13:55	MP93316-B1	1		
14:00	MP93316-S1	1		
14:04	MP93316-S2	1		
14:09	JC18920-1	1		(sample used for QC only; not part of login JC18921)
14:13	ZZZZZZ	1		
14:17	JC18921-1	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:22	JC18921-2	1		
----------->	Last reportable sample/prep for job JC18921			
14:26	ZZZZZZ	1		
14:31	MA39257-CCVA5	1		
14:35	MA39257-CCB5	1		
----------->	Last reportable CCB for job JC18921			
14:40	MP93268-MB1	1		
14:44	MP93268-B1	1		
14:48	MP93268-B1	2		Ag
14:53	MP93268-S1	1		
14:57	MP93268-S1	2		Ag
15:02	MP93268-S2	1		
15:06	MP93268-S2	2		Ag
15:10	ZZZZZZ	1		
15:15	ZZZZZZ	1		
15:19	MA39257-CCVA6	1		
15:24	MA39257-CCB6	1		
15:28	JC18553-2	1		(sample used for QC only; not part of login JC18921)
15:33	ZZZZZZ	1		
15:37	ZZZZZZ	1		
15:42	ZZZZZZ	1		
15:46	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:55	ZZZZZZ	1		
15:59	ZZZZZZ	1		
16:04	ZZZZZZ	1		
16:08	ZZZZZZ	1		
16:12	MA39257-CCVA7	1		
16:17	MA39257-CCB7	1		
16:21	MP93282-MB1	1		
16:26	MP93282-B1	1		
16:30	MP93282-B1	2		Ag
16:35	MP93282-S1	1		
16:39	MP93282-S1	2		Ag
16:44	MP93282-S2	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:48	MP93282-S2	2		AG
16:52	ZZZZZZ	1		
16:57	ZZZZZZ	1		
17:01	MA39257-CCVA8	1		
17:06	MA39257-CCB8	1		
17:10	JC18565-1	1		(sample used for QC only; not part of login JC18921)
17:15	ZZZZZZ	1		
17:19	ZZZZZZ	1		
17:23	ZZZZZZ	1		
17:28	ZZZZZZ	1		
17:32	ZZZZZZ	1		
17:37	ZZZZZZ	1		
17:41	ZZZZZZ	1		
17:46	MA39257-CCVA9	1		
17:50	MA39257-CCB9	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
09:11	MA39257-STD1	100	100	100	100	100	100	100	100
09:15	MA39257-STD2	100	100	100	100	100	100	100	100
09:20	MA39257-STD3	100	100	100	100	100	100	100	100
09:24	MA39257-STD4	100	100	100	100	100	100	100	100
09:29	MA39257-STD5	100	100	100	100	100	100	100	100
09:33	MA39257-STD6	100	100	100	100	100	100	100	100
09:38	MA39257-STD7	100.588	100.562	98.932	98.74	100.682	99.852	100.258	100.691
09:42	MA39257-STD8	102.257	101.111	100.026	99.342	101.212	100.181	98.994	100.468
09:46	MA39257-STD9	101.484	100.13	99.555	98.973	101.122	99.864	100.649	100.625
09:51	MA39257-STD10	101.84	99.549	98.606	99.708	100.358	99.329	100.137	100.527
09:55	MA39257-STD11	102.133	99.745	98.388	98.103	100.038	98.669	99.766	100.405
10:00	MA39257-STD12	102.391	101.245	99.856	99.485	101.213	99.245	100.652	100.522
10:04	MA39257-STD13	101.204	100.121	97.728	98.275	99.11	97.293	98.933	98.524
10:08	MA39257-STD14	101.365	99.896	97.769	97.498	99.54	97.592	97.718	97.883
10:13	MA39257-STD15	99.988	99.93	97.856	96.928	98.774	96.63	97.416	95.987
10:23	MA39257-STD16	100	100	100	100	100	100	100	100
10:28	MA39257-ICVA1	98.742	100.021	100.715	101.086	100.76	100.7	101.606	97.915
10:32	MA39257-ICV1	97.88	98.588	97.524	99.223	98.357	98.475	99.567	98.712
10:36	MA39257-ICB1	99.107	98.583	97.866	100.455	98.946	98.585	100.699	99.08
10:41	MA39257-CRI1	97.596	98.302	98.28	99.985	99.157	98.563	100.256	99.112
10:45	MA39257-ICSA1	94.127	98.343	101.986	105.814	94.97	97.511	99.957	87.732
10:50	MA39257-ICSAB1	98.716	107.72	111.407	112.099	102.505	103.821	103.749	92.78
10:55	ZZZZZZ	108.625	113.709	111.975	109.066	112.575	109.499	107.054	108.404
10:59	ZZZZZZ	105.392	111.722	111.465	111.083	111.004	109.886	107.896	105.38
11:04	ZZZZZZ	105.005	108.694	108.252	109.337	107.475	107.175	108.533	104.826
11:13	ZZZZZZ	104.413	109.795	108.662	108.462	109.139	108.783	106.969	104.224
11:18	ZZZZZZ	104.196	107.798	107.595	106.418	106.826	106.9	104.534	102.696
11:28	MA39257-CCVA1	104.408	107.865	107.871	106.513	106.141	106.474	104.677	101.452
11:34	MA39257-CCB1	104.738	107.759	107.526	111.896	106.471	105.778	109.985	104.358
11:38	ZZZZZZ	No results reported for the elements associated with this internal standard.							
11:42	ZZZZZZ	No results reported for the elements associated with this internal standard.							
11:47	ZZZZZZ	101.891	106.802	106.056	106.869	105.631	104.554	105.248	102.095
11:51	ZZZZZZ	104.372	108.34	107.543	107.653	107.842	105.948	104.98	103.522

INTERNAL STANDARD SUMMARY

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
11:56	ZZZZZZ	102.385	106.806	105.444	104.841	105.757	103.965	103.248	103.363
12:00	ZZZZZZ	100.867	104.749	103.036	103.604	105.048	102.752	102.17	101.426
12:05	ZZZZZZ	99.641	104.978	103.438	105.401	104.236	102.255	102.534	101.349
12:09	ZZZZZZ	102.613	107.276	105.531	105.992	105.422	103.898	104.135	103.02
12:13	MA39257-CCVA2	102.165	106.109	104.777	105.556	105.264	104.282	103.132	100.944
12:18	MA39257-CCB2	104.638	106.513	104.928	106.069	104.966	103.614	103.902	103.813
12:22	ZZZZZZ	103.342	105.339	103.632	105.008	104.324	102.801	103.654	102.773
12:27	ZZZZZZ	101.26	104.097	102.433	103.064	103.463	100.721	101.559	100.151
12:31	ZZZZZZ	99.837	101.785	100.315	101.782	101.313	99.87	100.204	99.766
12:36	MA39257-CRI2	97.602	101.671	99.866	101.218	100.947	99.532	100.059	98.72
12:40	ZZZZZZ	98.621	101.843	101.166	103.921	100.513	99.471	102.079	97.284
12:44	ZZZZZZ	99.551	103.092	101.979	103.516	101.485	100.679	102.385	98.186
12:49	ZZZZZZ	98.415	102.561	99.786	101.181	101.989	99.653	99.542	99.847
12:53	MA39257-CRI3	97.324	100.314	98.347	99.036	101.077	98.938	99.173	98.789
12:58	MA39257-CCVA3	95.529	101.325	99.701	99.338	100.458	99.027	97.134	97.204
13:02	MA39257-CCB3	96.898	99.516	97.991	98.58	98.903	97.36	98.007	97.07
13:07	ZZZZZZ	96.893	100.789	97.588	97.623	100.235	98.278	97.918	97.382
13:11	ZZZZZZ	94.625	99.568	97.214	97.629	100.626	97.936	97.049	96.477
13:15	ZZZZZZ	94.758	98.585	97.243	98.407	99.25	96.975	97.416	96.791
13:20	ZZZZZZ	94.082	98.06	95.973	97.694	98.214	96.284	97.249	96.023
13:24	ZZZZZZ	94.627	98.85	96.778	99.248	98.361	96.291	98.33	96.588
13:29	ZZZZZZ	95.275	97.887	95.285	97.989	98.23	96.071	97.107	97.232
13:33	ZZZZZZ	93.787	97.155	96.248	97.378	97.718	96.459	96.613	95.467
13:38	MA39257-CRI4	94.277	97.68	96.454	96.824	98.34	95.295	97.003	96.323
13:42	MA39257-CCVA4	93.631	97.526	97.27	96.817	97.705	96.328	96.97	95.443
13:46	MA39257-CCB4	94.074	97.885	95.962	97.12	97.174	95.273	95.568	96.519
13:51	MP93316-MB1	94.075	99.216	95.881	92.44	98.383	95.708	93.248	96.852
13:55	MP93316-B1	94.089	98.583	95.701	96.862	98.769	96.548	97.089	94.829
14:00	MP93316-S1	90.807	97.598	95.865	95.687	98.747	97.175	95.936	93.386
14:04	MP93316-S2	90.451	97.946	97.377	96.725	99.192	98.769	96.31	93.057
14:09	JC18920-1	92.101	99.727	98.035	97.235	99.701	98.533	96.123	93.038
14:13	ZZZZZZ	94.279	100.518	99.673	99.151	100.329	98.669	98.061	94.128
14:17	JC18921-1	94.973	101.699	99.486	99.034	100.481	98.935	97.392	94.904

INTERNAL STANDARD SUMMARY

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
14:22	JC18921-2	95.294	101.499	100.374	99.449	100.25	99.848	98.294	93.958
14:26	ZZZZZZ	98.888	101.526	99.759	100.237	100.269	97.19	98.179	98.016
14:31	MA39257-CCVA5	95.825	99.441	97.275	98.616	98.813	97.691	96.532	95.307
14:35	MA39257-CCB5	93.938	97.253	96.519	96.666	97.269	96.107	95.754	95.04
14:40	MP93268-MB1	94.743	97.693	96.799	97.833	97.931	96.744	97.27	95.481
14:44	MP93268-B1	93.576	96.984	96.024	96.697	98.092	97.431	97.328	95.078
14:48	MP93268-B1	93.265	96.828	95.171	97.74	97.065	96.505	97.117	94.969
14:53	MP93268-S1	92.972	96.758	94.733	95.326	96.94	95.338	95.673	93.426
14:57	MP93268-S1	93.112	96.591	94.331	96.324	97.067	95.19	96.393	94.022
15:02	MP93268-S2	92.685	96.985	94.705	95.661	97.353	95.48	95.981	94.019
15:06	MP93268-S2	92.484	95.625	93.622	95.352	96.087	95.444	95.796	93.864
15:10	ZZZZZZ	92.103	95.537	93.263	95.232	96.385	93.795	95.088	95.117
15:15	ZZZZZZ	91.646	97.95	96.797	96.973	99.343	97.142	96.228	93.319
15:19	MA39257-CCVA6	92.497	96.016	94.988	96.294	96.399	94.496	95.038	93.117
15:24	MA39257-CCB6	86.121	90.554	93.764	96.934	89.512	93.977	94.837	88.777
15:28	JC18553-2	93.28	96.784	94.978	96.727	96.603	95.996	96.845	94.144
15:33	ZZZZZZ	92.881	98.834	96.75	97.98	97.07	96.676	96.393	92.624
15:37	ZZZZZZ	94.677	100.472	95.978	98.079	98.345	96.403	96.199	94.372
15:42	ZZZZZZ	92.33	100.935	95.876	96.553	95.979	93.114	94.526	90.315
15:46	ZZZZZZ	93.13	101.615	96.831	98.114	95.707	94.076	95.402	89.905
15:50	ZZZZZZ	97.068	99.181	97.022	97.555	98.901	96.048	97.61	95.476
15:55	ZZZZZZ	95.437	98.79	96.249	97.287	98.003	96.111	96.876	94.496
15:59	ZZZZZZ	96.029	98.838	96.377	98.236	98.992	96.413	97.457	94.774
16:04	ZZZZZZ	95.724	97.493	96.129	97.743	97.945	95.383	97.022	94.833
16:08	ZZZZZZ	95.399	97.767	95.569	97.613	98.051	95.708	97.906	95.525
16:12	MA39257-CCVA7	93.65	96.284	94.106	94.174	96.36	93.539	93.813	92.868
16:17	MA39257-CCB7	93.236	94.994	93.849	95.531	95.039	93.082	94.885	93.395
16:21	MP93282-MB1	94.696	96.052	94.852	96.561	96.39	95.029	96.33	94.902
16:26	MP93282-B1	94.163	96.671	94.559	95.969	96.496	95.149	95.214	93.303
16:30	MP93282-B1	94.026	96.324	93.431	95.237	96.77	94.027	96.648	93.833
16:35	MP93282-S1	92.556	96.653	94.099	96.182	94.969	93.346	94.058	87.946
16:39	MP93282-S1	95.823	99.887	96.796	98.26	98.748	96.76	97.3	92.782
16:44	MP93282-S2	94.223	98.401	94.228	96.097	96.602	93.153	94.683	89.354

INTERNAL STANDARD SUMMARY

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
16:48	MP93282-S2	94.098	97.91	95.148	95.795	96.323	93.342	94.456	90.821
16:52	ZZZZZZ	95.864	96.878	94.215	96.018	96.949	94.884	95.062	95.088
16:57	ZZZZZZ	94.914	97.52	94.99	95.953	97.098	94.847	95.928	94.284
17:01	MA39257-CCVA8	92.304	95.65	92.269	93.936	95.065	93.41	92.186	91.451
17:06	MA39257-CCB8	94.069	95.354	92.947	94.042	94.542	92.174	93.485	93.317
17:10	JC18565-1	94.269	95.752	93.781	95.887	96.662	93.288	94.88	94.003
17:15	ZZZZZZ	95.365	95.544	91.864	94.634	95.452	92.915	94.51	92.592
17:19	ZZZZZZ	94.469	96.058	92.912	95.747	96.532	93.547	95.435	92.767
17:23	ZZZZZZ	90.495	95.616	93.226	95.36	92.497	90.615	91.546	86.047
17:28	ZZZZZZ	92.545	96.901	92.636	94.064	94.339	90.68	91.044	86.005
17:32	ZZZZZZ	95.655	98.055	94.482	95.871	97.427	93.625	94.41	93.953
17:37	ZZZZZZ	92.681	96.603	93.593	95.64	93.653	91.201	91.997	86.349
17:41	ZZZZZZ	96.787	98.667	95.51	97.519	98.419	94.827	96.986	95.875
17:46	MA39257-CCVA9	94.16	95.047	92.044	92.438	95.057	92.14	92.153	91.583
17:50	MA39257-CCB9	91.763	94.197	90.452	91.494	93.653	91.211	90.988	91.727

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Lithium	60-125 %
Istd#2	Scandium (45-1)	60-125 %
Istd#3	Scandium (45-2)	60-125 %
Istd#4	Scandium (45-3)	60-125 %
Istd#5	Germanium (74-1)	60-125 %
Istd#6	Germanium (74-2)	60-125 %
Istd#7	Germanium (74-3)	60-125 %
Istd#8	Rhodium (103-1)	60-125 %

INTERNAL STANDARD SUMMARY

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
09:11	MA39257-STD1	100	100	100	100	100	100	100	100
09:15	MA39257-STD2	100	100	100	100	100	100	100	100
09:20	MA39257-STD3	100	100	100	100	100	100	100	100
09:24	MA39257-STD4	100	100	100	100	100	100	100	100
09:29	MA39257-STD5	100	100	100	100	100	100	100	100
09:33	MA39257-STD6	100	100	100	100	100	100	100	100
09:38	MA39257-STD7	99.49	99.036	101.362	100.354	101.067	100.723	98.983	100.211
09:42	MA39257-STD8	100.25	98.991	100.825	101.032	101.992	101.032	98.66	100.65
09:46	MA39257-STD9	99.944	99.005	100.24	99.983	101.084	101.14	99.55	99.766
09:51	MA39257-STD10	99.82	99.961	99.985	99.881	100.523	100.947	99.865	99.661
09:55	MA39257-STD11	99.24	98.965	99.414	99.281	101.673	100.657	99.377	100.003
10:00	MA39257-STD12	99.758	99.706	102.115	101.533	102.036	102.605	100.892	101.095
10:04	MA39257-STD13	97.975	98.153	99.138	98.083	100.545	99.314	99.622	100.152
10:08	MA39257-STD14	96.497	96.101	99.862	97.723	101.954	99.597	98.826	101.445
10:13	MA39257-STD15	94.799	94.314	97.141	96.946	100.704	99.006	97.989	99.491
10:23	MA39257-STD16	100	100	100	100	100	100	100	100
10:28	MA39257-ICVA1	98.648	98.466	98.68	99.463	100.47	100.068	101.859	100.783
10:32	MA39257-ICV1	98.486	99.709	98.873	98.608	98.209	98.015	100.31	98.526
10:36	MA39257-ICB1	99.263	100.543	99.816	98.603	100.008	98.898	101.318	100.866
10:41	MA39257-CRI1	99.331	100.003	99.403	98.887	99.536	99.129	101.453	100.624
10:45	MA39257-ICSA1	86.642	88.726	91.294	92.565	94.786	92.688	94.145	95.693
10:50	MA39257-ICSAB1	89.734	91.175	96.708	96.616	97.295	95.059	95.293	96.776
10:55	ZZZZZZ	103.733	101.166	107.272	105.604	103.523	100.753	97.906	103.541
10:59	ZZZZZZ	103.143	101.783	106.214	105.777	105.749	102.992	101.412	106.158
11:04	ZZZZZZ	103.205	103.738	105.348	104.361	103.453	100.68	100.901	102.521
11:13	ZZZZZZ	103.017	101.058	104.762	104.801	104.205	103.76	101.44	104.708
11:18	ZZZZZZ	101.651	99.954	103.153	102.691	103.209	101.806	100.173	104.616
11:28	MA39257-CCVA1	100.974	99.129	102.656	102.493	102.814	101.361	99.428	102.89
11:34	MA39257-CCB1	103.782	107.116	104.202	103.684	102.282	101.016	104.471	103.309
11:38	ZZZZZZ	No results reported for the elements associated with this internal standard.							
11:42	ZZZZZZ	No results reported for the elements associated with this internal standard.							
11:47	ZZZZZZ	101.318	99.974	101.727	100.646	98.431	97.61	97.194	99.152
11:51	ZZZZZZ	102.559	101.377	103.676	102.427	100.237	99.396	98.228	101.25

INTERNAL STANDARD SUMMARY

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
11:56	ZZZZZZ	100.734	99.58	103.272	101.18	100.512	97.442	96.683	99.939
12:00	ZZZZZZ	99.19	98.622	100.343	98.797	98.232	95.746	95.169	98.252
12:05	ZZZZZZ	98.692	99.073	100.033	99.175	97.601	95.426	96.458	98.614
12:09	ZZZZZZ	101.671	100.845	102.581	101.43	99.438	97.305	98.483	100.467
12:13	MA39257-CCVA2	98.581	98.402	101.365	99.823	100.899	98.432	98.718	100.606
12:18	MA39257-CCB2	102.344	101.967	102.867	100.825	100.453	98.299	99.968	101.833
12:22	ZZZZZZ	100.106	100.182	101.353	100.022	101.026	97.675	98.479	101.294
12:27	ZZZZZZ	98.981	98.774	99.961	98.745	97.595	95.556	96.613	98.459
12:31	ZZZZZZ	97.388	97.202	99.365	96.704	97.064	94.109	95.798	97.009
12:36	MA39257-CRI2	97.543	96.966	99.126	97.474	96.874	95.226	96.13	96.704
12:40	ZZZZZZ	97.486	97.522	96.703	96.806	95.306	94.148	95.212	95.29
12:44	ZZZZZZ	97.915	98.004	97.797	97.084	96.169	93.646	96.307	96.403
12:49	ZZZZZZ	98.183	97.103	98.734	97.725	96.949	94.802	95.766	97.537
12:53	MA39257-CRI3	96.828	96.77	98.774	96.958	96.613	94.318	95.793	96.695
12:58	MA39257-CCVA3	94.274	93.847	97.41	96.635	96.841	94.65	95.366	97.359
13:02	MA39257-CCB3	95.986	94.854	97.719	96.974	95.905	93.617	93.992	95.812
13:07	ZZZZZZ	95.408	95.291	98.132	95.595	96.538	94.732	95.387	96.626
13:11	ZZZZZZ	95.963	94.364	97.198	96.98	96.53	95.473	95.528	97.155
13:15	ZZZZZZ	94.967	93.982	96.964	96.493	96.372	94.369	96.016	96.875
13:20	ZZZZZZ	95.03	95.074	96.482	95.35	94.459	92.485	94.987	95.952
13:24	ZZZZZZ	95.869	96.838	96.924	96.268	95.085	93.751	95.742	95.487
13:29	ZZZZZZ	94.644	95.17	96.335	95.124	95.032	92.887	94.685	95.574
13:33	ZZZZZZ	94.279	94.621	95.917	95.181	94.549	91.56	93.843	94.012
13:38	MA39257-CRI4	95.195	94.491	96.125	96.507	95.221	93.185	94.985	95.227
13:42	MA39257-CCVA4	93.301	92.621	96.559	95.235	95.713	93.576	94.574	95.52
13:46	MA39257-CCB4	94.335	95.114	96.175	95.233	94.2	92.511	93.95	94.402
13:51	MP93316-MB1	94.844	89.156	96.702	95.809	94.569	91.984	89.04	95.08
13:55	MP93316-B1	93.976	94.293	95.735	95.688	94.799	93.169	95.033	95.59
14:00	MP93316-S1	91.467	90.448	95.304	95.693	96.751	94.187	95.082	97.267
14:04	MP93316-S2	91.656	90.186	95.251	96.737	95.651	94.573	95.018	95.56
14:09	JC18920-1	91.091	90.664	96.823	97.495	96.719	94.696	95.204	96.059
14:13	ZZZZZZ	91.372	90.058	96.599	98.546	96.657	94.605	95.867	96.734
14:17	JC18921-1	92.086	90.622	96.865	98.727	96.079	94.369	94.062	97.208

INTERNAL STANDARD SUMMARY

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
14:22	JC18921-2	91.982	91.052	97.306	98.547	95.891	94.984	95.071	96.525
14:26	ZZZZZZ	95.155	95.146	96.809	96.95	93.571	92.325	94.35	94.27
14:31	MA39257-CCVA5	95.047	93.7	95.748	95.775	95.809	94.208	96.117	96.298
14:35	MA39257-CCB5	94.067	93.261	95.44	95.418	93.196	92.427	93.823	93.152
14:40	MP93268-MB1	95.103	95.634	97.017	96.329	93.457	92.61	95.053	94.337
14:44	MP93268-B1	94.449	93.898	95.701	96.088	94.155	93.962	95.215	94.577
14:48	MP93268-B1	95.089	93.647	95.057	95.563	94.249	93.685	95.563	94.868
14:53	MP93268-S1	93.321	92.152	94.875	94.841	94.69	93.478	94.506	94.783
14:57	MP93268-S1	93.858	93.581	94.506	95.739	93.238	93.037	94.498	93.476
15:02	MP93268-S2	93.732	92.304	94.802	94.773	93.986	93.077	93.89	94.883
15:06	MP93268-S2	93.517	92.656	94.714	94.697	94.138	92.677	93.4	94.168
15:10	ZZZZZZ	93.34	93.321	95.432	94.098	92.836	90.74	93.202	94.118
15:15	ZZZZZZ	90.693	90.228	96.196	96.538	96.055	93.982	95.731	96.018
15:19	MA39257-CCVA6	91.733	91.913	93.182	94.162	93.013	92.37	94.238	93.916
15:24	MA39257-CCB6	93.2	93.291	89.257	93.576	88.08	91.032	93.762	88.2
15:28	JC18553-2	93.91	93.199	95.359	96.336	94.53	92.271	94.387	94.451
15:33	ZZZZZZ	91.787	92.049	94.814	95.925	94.42	93.249	94.732	94.465
15:37	ZZZZZZ	92.677	92.59	96.783	95.673	95.837	92.664	95.069	96.516
15:42	ZZZZZZ	87.369	87.554	92.343	92.383	92.61	90.408	92.669	93.01
15:46	ZZZZZZ	88.592	88.511	92.562	92.471	92.85	90.619	93.158	92.615
15:50	ZZZZZZ	94.593	94.223	95.879	96.781	94.38	93.212	95.021	94.528
15:55	ZZZZZZ	93.629	93.653	96.391	96.215	93.917	92.857	94.856	93.822
15:59	ZZZZZZ	93.674	93.026	96.18	95.974	94.247	92.26	93.96	94.403
16:04	ZZZZZZ	94.349	93.846	96.158	96.019	93.39	91.884	94.973	93.42
16:08	ZZZZZZ	93.858	95.282	96.376	95.388	94.122	92.624	95.236	94.093
16:12	MA39257-CCVA7	91.061	90.028	93.839	92.892	93.73	91.421	92.424	94.163
16:17	MA39257-CCB7	92.209	92.997	94.341	93.372	92.234	90.396	92.653	92.443
16:21	MP93282-MB1	93.762	94.315	94.244	93.445	93.762	91.271	94.483	93.186
16:26	MP93282-B1	92.964	92.649	93.808	94.379	93.052	92.065	94.075	93.459
16:30	MP93282-B1	92.971	93.519	94.869	94.09	93.468	92.011	94.496	93.938
16:35	MP93282-S1	86.244	86.702	89.974	89.58	91.899	89.995	91.336	92.583
16:39	MP93282-S1	90.484	90.766	93.565	93.425	93.84	92.548	94.478	93.856
16:44	MP93282-S2	87.072	86.817	91.132	90.078	91.138	90.1	91.421	93.172

INTERNAL STANDARD SUMMARY

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
16:48	MP93282-S2	88.543	88.502	91.868	91.092	92.641	89.982	92.265	93.003
16:52	ZZZZZZ	93.156	93.22	94.908	94.594	92.784	91.231	93.027	93.264
16:57	ZZZZZZ	92.949	93.673	94.572	93.038	92.011	90.715	93.324	92.605
17:01	MA39257-CCVA8	89.883	89.205	93.144	92.558	91.957	91.07	92.051	93.256
17:06	MA39257-CCB8	91.22	91.824	92.889	92.254	91.368	89.286	91.843	91.211
17:10	JC18565-1	92.572	93.512	93.823	92.989	91.683	90.409	93.296	92.509
17:15	ZZZZZZ	90.792	92.611	94.218	92.901	92.833	90.386	93.133	92.888
17:19	ZZZZZZ	92.029	92.054	93.86	93.259	92.587	90.475	92.799	92.856
17:23	ZZZZZZ	84.023	84.567	88.065	87.952	89.307	87.272	89.973	90.345
17:28	ZZZZZZ	84.381	83.893	88.187	88.196	89.032	87.167	89.369	90.09
17:32	ZZZZZZ	92.25	93.063	93.441	92.594	90.659	89.52	92.361	92.421
17:37	ZZZZZZ	84.619	85.02	88.546	88.698	89.181	87.409	89.857	90.337
17:41	ZZZZZZ	93.218	94.066	95.444	94.708	92.704	90.936	93.489	93.289
17:46	MA39257-CCVA9	90.419	90.183	92.636	92.055	93.03	90.446	92.792	93.938
17:50	MA39257-CCB9	90.222	88.584	92.274	91.643	90.357	88.695	88.995	90.372

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#9	Rhodium (103-2)	60-125 %
Istd#10	Rhodium (103-3)	60-125 %
Istd#11	Indium (115-1)	60-125 %
Istd#12	Indium (115-2)	60-125 %
Istd#13	Terbium (159-1)	60-125 %
Istd#14	Terbium (159-2)	60-125 %
Istd#15	Terbium (159-3)	60-125 %
Istd#16	Holmium (165-1)	60-125 %

INTERNAL STANDARD SUMMARY

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#17	Istd#18	Istd#19
09:11	MA39257-STD1	100	100	100
09:15	MA39257-STD2	100	100	100
09:20	MA39257-STD3	100	100	100
09:24	MA39257-STD4	100	100	100
09:29	MA39257-STD5	100	100	100
09:33	MA39257-STD6	100	100	100
09:38	MA39257-STD7	100.716	100.142	100.493
09:42	MA39257-STD8	101.299	102.384	102.182
09:46	MA39257-STD9	100.935	101.291	101.871
09:51	MA39257-STD10	101.142	100.701	101.818
09:55	MA39257-STD11	100.103	101.935	101.312
10:00	MA39257-STD12	101.935	101.097	101.01
10:04	MA39257-STD13	99.959	99.466	98.782
10:08	MA39257-STD14	100.432	99.102	97.975
10:13	MA39257-STD15	99.401	95.989	96.591
10:23	MA39257-STD16	100	100	100
10:28	MA39257-ICVA1	99.683	98.85	97.232
10:32	MA39257-ICV1	97.937	99.221	97.345
10:36	MA39257-ICB1	98.952	100.384	99.028
10:41	MA39257-CRI1	98.309	100.649	98.219
10:45	MA39257-ICSA1	92.665	88.373	84.368
10:50	MA39257-ICSAB1	94.29	88.673	85.193
10:55	ZZZZZZ	99.261	100.811	96.467
10:59	ZZZZZZ	102.913	101.727	98.682
11:04	ZZZZZZ	99.342	100.883	98.007
11:13	ZZZZZZ	103.172	100.381	98.222
11:18	ZZZZZZ	101.155	99.673	97.157
11:28	MA39257-CCVA1	101.322	98.592	97.384
11:34	MA39257-CCB1	100.029	100.599	98.427
11:38	ZZZZZZ	No results reported for the elements associated with this internal standard.		
11:42	ZZZZZZ	No results reported for the elements associated with this internal standard.		
11:47	ZZZZZZ	96.706	97.984	95.27
11:51	ZZZZZZ	98.24	100.012	96.744

INTERNAL STANDARD SUMMARY

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#17	Istd#18	Istd#19
11:56	ZZZZZZ	96.673	99.064	95.546
12:00	ZZZZZZ	95.229	97.181	93.797
12:05	ZZZZZZ	94.613	96.4	93.323
12:09	ZZZZZZ	96.619	98.353	96.123
12:13	MA39257-CCVA2	97.626	97.459	94.353
12:18	MA39257-CCB2	98.418	99.914	96.626
12:22	ZZZZZZ	97.079	99.631	96.074
12:27	ZZZZZZ	95.476	97.73	94.254
12:31	ZZZZZZ	93.84	95.375	92.215
12:36	MA39257-CRI2	94.021	95.092	92.011
12:40	ZZZZZZ	93.253	96.885	93.713
12:44	ZZZZZZ	93.244	95.673	92.768
12:49	ZZZZZZ	94.316	95.669	92.431
12:53	MA39257-CRI3	93.331	95.777	92.405
12:58	MA39257-CCVA3	93.701	94.529	90.272
13:02	MA39257-CCB3	92.741	94.957	91.782
13:07	ZZZZZZ	93.676	95.521	92.532
13:11	ZZZZZZ	95.182	95.535	92.864
13:15	ZZZZZZ	93.899	95.262	92.073
13:20	ZZZZZZ	92.031	94.277	90.854
13:24	ZZZZZZ	92.821	94.802	91.894
13:29	ZZZZZZ	91.686	94.799	90.521
13:33	ZZZZZZ	90.59	92.921	90.524
13:38	MA39257-CRI4	92.326	94.165	91.41
13:42	MA39257-CCVA4	93.096	92.584	90.038
13:46	MA39257-CCB4	91.601	93.311	90.683
13:51	MP93316-MB1	91.785	94.895	91.081
13:55	MP93316-B1	92.649	93.657	92.137
14:00	MP93316-S1	94.349	91.47	89.54
14:04	MP93316-S2	94.065	90.908	88.575
14:09	JC18920-1	94.064	90.686	88.897
14:13	ZZZZZZ	93.967	90.83	89.128
14:17	JC18921-1	94.329	90.499	89.412

INTERNAL STANDARD SUMMARY

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#17	Istd#18	Istd#19
14:22	JC18921-2	94.439	88.692	88.537
14:26	ZZZZZZ	90.828	94.611	91.47
14:31	MA39257-CCVA5	94.119	93.202	91.099
14:35	MA39257-CCB5	91.456	93.006	90.812
14:40	MP93268-MB1	92.316	94.79	92.892
14:44	MP93268-B1	93.501	94.19	92.569
14:48	MP93268-B1	93.035	93.818	92.291
14:53	MP93268-S1	92.579	93.818	91.087
14:57	MP93268-S1	92.482	92.935	91.181
15:02	MP93268-S2	92.711	92.034	90.448
15:06	MP93268-S2	91.48	92.549	90.061
15:10	ZZZZZZ	90.315	92.608	89.215
15:15	ZZZZZZ	93.242	91.919	89.158
15:19	MA39257-CCVA6	92.34	90.168	88.782
15:24	MA39257-CCB6	89.673	86.627	89.312
15:28	JC18553-2	92.322	94.087	92.699
15:33	ZZZZZZ	92.623	93.171	91.137
15:37	ZZZZZZ	92.719	94.427	90.449
15:42	ZZZZZZ	90.112	88.617	85.047
15:46	ZZZZZZ	90.148	88.306	85.274
15:50	ZZZZZZ	92.733	94.205	92.051
15:55	ZZZZZZ	92.845	94.503	92.71
15:59	ZZZZZZ	91.629	93.615	90.965
16:04	ZZZZZZ	91.52	93.711	92.077
16:08	ZZZZZZ	92.415	93.365	92.161
16:12	MA39257-CCVA7	90.782	91.315	88.06
16:17	MA39257-CCB7	89.366	91.276	88.17
16:21	MP93282-MB1	91.1	93.653	90.167
16:26	MP93282-B1	92.476	91.68	90.478
16:30	MP93282-B1	91.665	93.349	90.165
16:35	MP93282-S1	89.774	85.816	83.4
16:39	MP93282-S1	92.157	89.671	87.068
16:44	MP93282-S2	89.542	86.253	83.76

INTERNAL STANDARD SUMMARY

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39257
Parameters: Pb

Time	Sample Description	Istd#17	Istd#18	Istd#19
16:48	MP93282-S2	90.288	87.835	85.832
16:52	ZZZZZZ	90.632	91.667	89.537
16:57	ZZZZZZ	90.419	92.299	89.7
17:01	MA39257-CCVA8	90.006	89.567	87.41
17:06	MA39257-CCB8	88.639	89.434	87.245
17:10	JC18565-1	89.916	92.102	89.453
17:15	ZZZZZZ	90.356	93.273	90.377
17:19	ZZZZZZ	89.96	91.927	88.943
17:23	ZZZZZZ	86.813	83.144	80.617
17:28	ZZZZZZ	87.064	83.366	80.131
17:32	ZZZZZZ	89.576	91.074	88.38
17:37	ZZZZZZ	87.072	84.073	80.782
17:41	ZZZZZZ	90.189	92.321	88.342
17:46	MA39257-CCVA9	90.008	90.445	87.533
17:50	MA39257-CCB9	88.25	89.782	86.959

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#17	Holmium (165-2)	60-125 %
Istd#18	Bismuth (209-1)	60-125 %
Istd#19	Bismuth (209-2)	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
QC Limits: result < RL Run ID: MA39257 Units: ug/l

Time: / Sample ID:			10:36 ICB1		11:34 CCB1		12:18 CCB2		13:02 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	25	.34								
Antimony	2.0	.12	anr							
Arsenic	0.50	.025	anr							
Barium	1.0	.011								
Beryllium	0.50	.004	anr							
Boron	25	3.2								
Cadmium	0.50	.011	anr							
Calcium	250	2.7								
Chromium	1.0	.016	anr							
Cobalt	0.50	.003								
Copper	2.0	.1	anr							
Iron	25	.51	anr							
Lead	0.50	.009	-0.0015	<0.50	0.0080	<0.50	0.016	<0.50	0.0096	<0.50
Magnesium	250	.39								
Manganese	1.0	.02	anr							
Molybdenum	1.0	.02								
Nickel	1.0	.025	anr							
Potassium	250	4.9								
Selenium	0.50	.031	anr							
Silver	0.50	.019	anr							
Sodium	250	8.7								
Strontium	5.0	.009								
Thallium	0.50	.016	anr							
Tin	5.0	.019								
Titanium	1.0	.047								
Vanadium	1.0	.045								
Zinc	5.0	.11	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
QC Limits: result < RL Run ID: MA39257 Units: ug/l

Time: / Sample ID: / Metal	RL	IDL	13:46 CCB4 raw	final	14:35 CCB5 raw	final
Aluminum	25	.34				
Antimony	2.0	.12	anr			
Arsenic	0.50	.025	anr			
Barium	1.0	.011				
Beryllium	0.50	.004	anr			
Boron	25	3.2				
Cadmium	0.50	.011	anr			
Calcium	250	2.7				
Chromium	1.0	.016	anr			
Cobalt	0.50	.003				
Copper	2.0	.1	anr			
Iron	25	.51	anr			
Lead	0.50	.009	0.024	<0.50	0.024	<0.50
Magnesium	250	.39				
Manganese	1.0	.02	anr			
Molybdenum	1.0	.02				
Nickel	1.0	.025	anr			
Potassium	250	4.9				
Selenium	0.50	.031	anr			
Silver	0.50	.019	anr			
Sodium	250	8.7				
Strontium	5.0	.009				
Thallium	0.50	.016	anr			
Tin	5.0	.019				
Titanium	1.0	.047				
Vanadium	1.0	.045				
Zinc	5.0	.11	anr			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA39257 Units: ug/l

Time:		10:28			10:32			11:28	
Sample ID:	ICVA	ICVA1		ICV	ICV1		CCVA	CCVA1	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	60	57.9	96.5				50	50.3	100.6
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA39257 Units: ug/l

Time:		12:13			12:58			13:42	
Sample ID:	CCVA	CCVA2		CCVA	CCVA3		CCVA	CCVA4	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	50	49.7	99.4	50	49.4	98.8	50	49.7	99.4
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA39257 Units: ug/l

Time:		14:31	
Sample ID:	CCVA	CCVA5	
Metal	True	Results	% Rec
Aluminum			
Antimony	anr		
Arsenic	anr		
Barium			
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	50	49.4	98.8
Magnesium			
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 70 to 130 % Recovery Run ID: MA39257 Units: ug/l

Time:			10:41		12:36		12:53		13:38	
Sample ID:	CRI	CRIA	CRI1		CRI2		CRI3		CRI4	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	25	25								
Antimony	2.0	0.25	anr							
Arsenic	0.50	0.50	anr							
Barium	1.0	0.50								
Beryllium	0.50	0.25	anr							
Boron	25	2.5								
Cadmium	0.50	0.25	anr							
Calcium	250	125								
Chromium	1.0	2.0	anr							
Cobalt	0.50	0.25								
Copper	2.0	2.0	anr							
Iron	25	25	anr							
Lead	0.50	0.25	0.50	100.0	0.50	100.0	0.48	96.0	0.50	100.0
Magnesium	250	125								
Manganese	0.50	0.25	anr							
Molybdenum	1.0	0.50								
Nickel	1.0	2.0	anr							
Potassium	250	125								
Selenium	0.50	0.50	anr							
Silver	0.50	1.0	anr							
Sodium	250	125								
Strontium	5.0	0.50								
Thallium	0.50	0.25	anr							
Tin	5.0	0.50								
Titanium	1.0	0.50								
Vanadium	1.0	2.0								
Zinc	5.0	2.0	anr							

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

File ID: XB042516M1.CSV Date Analyzed: 04/25/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 80 to 120 % Recovery Run ID: MA39257 Units: ug/l

Time:			10:45		10:50	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	100000	100000	97500	97.5	99600	99.6
Antimony			-0.033		-0.050	
Arsenic		20	0.11		18.4	92.0
Barium			0.13		0.16	
Beryllium			0.011		0.0079	
Boron			3.6		1.6	
Cadmium		20	0.80		18.9	94.5
Calcium	100000	100000	94300	94.3	96900	96.9
Chromium		20	1.2		19.2	96.0
Cobalt		20	0.024		17.5	87.5
Copper		20	0.61		16.9	84.5
Iron	100000	100000	87600	87.6	87500	87.5
Lead			0.20		0.21	
Magnesium	100000	100000	90800	90.8	92600	92.6
Manganese		20	0.34		18.8	94.0
Molybdenum	2000	2000	1880	94.0	1930	96.5
Nickel		20	0.22		16.9	84.5
Potassium	100000	100000	99600	99.6	103000	103.0
Selenium		20	0.027		18.1	90.5
Silver		20	0.024		19.1	95.5
Sodium	100000	100000	95300	95.3	97000	97.0
Strontium			0.73		0.75	
Thallium			0.017		0.0040	
Tin			0.16		0.12	
Titanium	2000	2000	2000	100.0	2030	101.5
Vanadium		20	0.10		20.3	101.5
Zinc		20	1.1		17.1	85.5

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

QC Batch ID: MP93316 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/25/16

Metal	RL	IDL	MDL	MB raw	final
Antimony	0.0020	.00012	.00021		
Barium	0.0010	.000011	.000044		
Beryllium	0.00030	.000004	.000079		
Boron	0.050	.0032			
Calcium	0.25	.0027	.0075		
Lead	0.00050	.000009	.000018	0.000012	<0.00050
Molybdenum	0.0010	.00002	.000059		
Silver	0.0020	.000019	.000022		
Strontium	0.0010	.000009	.000014		
Thallium	0.00050	.000016	.0001		
Tin	0.0010	.000039	.000043		

Associated samples MP93316: JC18921-1, JC18921-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

QC Batch ID: MP93316 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/25/16

Metal	JC18920-1 Original	MS	Spikelot MPXDW7	% Rec	QC Limits
Antimony					
Barium					
Beryllium					
Boron					
Calcium					
Lead	0.011	0.11	0.10	99.0	70-130
Molybdenum					
Silver					
Strontium					
Thallium					
Tin					

Associated samples MP93316: JC18921-1, JC18921-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

QC Batch ID: MP93316 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/25/16

Metal	JC18920-1 Original	MSD	Spikelot MPXDW7	% Rec	MSD RPD	QC Limit
Antimony						
Barium						
Beryllium						
Boron						
Calcium						
Lead	0.011	0.11	0.10	99.0	0.0	20
Molybdenum						
Silver						
Strontium						
Thallium						
Tin						

Associated samples MP93316: JC18921-1, JC18921-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC18921
Account: PARS - PARS Environmental Services
Project: WWP Schools-High School South, 346 Clarksville Road, Princeton Junction, NJ

QC Batch ID: MP93316 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/25/16

Metal	BSP Result	Spikelot MPXDW7	% Rec	QC Limits
Antimony				
Barium				
Beryllium				
Boron				
Calcium				
Lead	0.094	0.10	94.0	85-115
Molybdenum				
Silver				
Strontium				
Thallium				
Tin				

Associated samples MP93316: JC18921-1, JC18921-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

APPENDIX B
LABORATORY CERTIFICATION

State of New Jersey

Department of Environmental Protection

Certifies That

SGS Accutest Inc. – Wheat Ridge

Laboratory Certification ID # CO007

is hereby approved as a

Nationally Accredited Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List which must accompany this certificate to be valid

having duly met the requirements of the

Regulations Governing the Certification of Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the 2009 TNI Standard approved by the

The NELAC Institute

Expires June 30, 2016

Joseph F. Aiello
Assistant Director

NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

State of New Jersey

Department of Environmental Protection

Certifies That

SGS Accutest Inc. - Dayton

Laboratory Certification ID # 12129

is hereby approved as a

Nationally Accredited Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List which must accompany this certificate to be valid

having duly met the requirements of the

Regulations Governing the Certification of Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the 2009 TNI Standard approved by the

The NELAC Institute

Expires June 30, 2016

Michele M. Potte for JFA

Joseph F. Aiello
Assistant Director

NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

PARS
Environmental
Inc.

LEAD IN DRINKING WATER TESTING REPORT

WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
MAURICE HAWK ELEMENTARY SCHOOL
303-305 CLARKSVILLE ROAD
WEST WINDSOR, NEW JERSEY 08550

PREPARED FOR

West Windsor-Plainsboro Regional School District
505 Village Road West
PO Box 505
West Windsor, New Jersey 08550

PREPARED BY

PARS Environmental, Inc.
500 Horizon Drive, Suite 540
Robbinsville, New Jersey 08691
Tel: 609-890-7277
Fax: 609-890-9116

PARS Project No. 565-84

May 2016

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EXECUTIVE SUMMARY

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at the Maurice Hawk Elementary School (MHES). PARS conducted the lead in drinking water testing on March 29, April 19, and April 30, 2016. The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the United States Environmental Protection Agency (USEPA) *3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance (USEPA 3Ts).* PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

FINDINGS

The USEPA National Primary Drinking Water Regulations requires that immediate action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 milligrams per liter (mg/l). An exceedance of the 0.015 mg/l action level was identified in MHES at one (1) drinking water fountain location (Room 165; 0.016 mg/l) on March 29. This location was resampled on April 19, where primary and flush samples were collected. Both samples exceeded the action level (0.210 mg/l and 0.038 mg/l, respectively).

Based on the March 29 and April 19 sample results, the sampling was expanded to adjacent rooms to Room 165 as well as other strategic points throughout the school. This additional sampling was completed on April 30. Laboratory results showed exceedances in four (4) drinking water fountains in Rooms 164, 166, 167, and 170 ranging from 0.017 mg/l to 0.540 mg/l. All other samples were below the action level.

Analytical results indicate a ubiquitous lead concern with the water supply front hall of the building. All other areas of the building showed lead in drinking water results below the action level. Based on this information, PARS recommends the following:

- All drinking water fountains be removed from service immediately.
- An alternative drinking water source should be provided to the building occupants in this area.

- Staff and students should be informed that hand sinks in this area are to be utilized for hand washing only. All sinks should also be flushed for a minimum of 30 seconds prior to use.
- A permanent remedy (replacement, filtration, etc.) should be implemented for the water sources located
- PARS recommends periodic flushing of the school taps and testing per state and federal regulations.

1.0 INTRODUCTION

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at the Maurice Hawk Elementary School (MHES). The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the *USEPA 3Ts*. PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

Sampling methodology is described in Section 2.0, the Lead in Drinking Water Findings are discussed in Section 3.0, and the Conclusions and Recommendations are presented in Section 4.0. A list of the sample locations and results are provided in **Tables 1, 2, and 3**. The Laboratory Analytical Reports for the three (3) sampling events are provided in **Appendices A, B, and C**. Laboratory certifications are included as **Appendix D**.

This report is intended for the sole use of WWP. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations, is at risk of said user.

2.0 LEAD IN DRINKING WATER SAMPLING

PARS conducted lead in drinking water testing at the MHES on March 29, April 19, and April 30, 2016. The lead in drinking water sampling was conducted by Christa Casciolini, Melissa Konieczny, Mike Nixon, and Jessica Perrini of PARS.

PARS performed lead in drinking water testing at a total of seven (7) drinking water fountains (bubbler and cooler units) and three (3) faucets in the nurse's office, kitchen, and faculty room locations in the elementary school on March 29. The April 19 sampling event included collecting primary and flush samples from the drinking water fountain in Room 165. On April 30, PARS collected samples from ten (10) drinking water fountains and two (2) classroom faucets.

All samples on March 29 and April 30 were collected following the USEPA First Draw sampling protocol. The First Draw sample collection occurred in the morning prior to the facility opening and before any water was drawn in the building, including toilet flushing. The water was unused for six (6) to eight (8) hours prior to collection. Arrangements were made to sample the water outlets prior to the arrival of teachers and students.

The samples on April 19 were collected following the USEPA First Draw and Flush Draw sampling protocols. The First Draw sample collection followed the protocol as described above. The Flush Draw sample protocol included running the drinking water fountain for 30 seconds following the collection of the First Draw and then collecting the sample.

The samples were placed in pre-preserved plastic bottles and submitted for laboratory analysis to SGS Accutest for two-week turnaround. SGS Accutest is a New Jersey Department of Environmental Protection (NJDEP) certified laboratory for lead in drinking water (NELAC #CO007). All samples were analyzed using USEPA Method 200.8 for the determination of trace elements in waters and wastes by inductively coupled plasma – mass spectrometry (ICP-MS). Chain-of-custody protocols were followed.

3.0 LEAD IN DRINKING WATER FINDINGS

An exceedance of the 0.015 mg/l action level was identified in MHES at one (1) drinking water fountain location (Room 165; 0.016 mg/l) on March 29. This location was resampled on April 19, where primary and flush samples were collected. Both samples exceeded the action level (0.210 mg/l and 0.038 mg/l, respectively).

The April 30 laboratory results showed exceedances in four (4) drinking water fountains in Rooms 164, 166, 167, and 170 ranging from 0.017 mg/l to 0.540 mg/l. All other samples were below the action level.

A list of the sample locations and results are provided in **Tables 1, 2, and 3**. The Laboratory Analytical Reports for the three (3) sampling events are provided in **Appendices A, B, and C**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Analytical results indicate a ubiquitous lead concern with the water supply front hall of the building. All other areas of the building showed lead in drinking water results below the action level. Based on this information, PARS recommends the following:

- All drinking water fountains be removed from service immediately.
- An alternative drinking water source should be provided to the building occupants in this area.
- Staff and students should be informed that hand sinks in this area are to be utilized for hand washing only. All sinks should also be flushed for a minimum of 30 seconds prior to use.
- A permanent remedy (replacement, filtration, etc.) should be implemented for the water sources located
- PARS recommends periodic flushing of the school taps and testing per state and federal regulations.

-o0o-

PARS appreciates the opportunity to assist West Windsor-Plainsboro Regional School District with this project. Should you have any questions or comments please feel free to contact us at (609) 890-7277.

Respectfully submitted,

PARS ENVIRONMENTAL, INC.

Christa M. Casciolini
Project Geologist

Margaret Halasnik
Principal Industrial Hygienist

TABLE 1
DRINKING WATER RESULTS TABLE – 3/29/16

TABLE 1
LEAD IN DRINKING WATER TESTING REPORT - 3/29/16
WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
MAURICE HAWK ELEMENTARY SCHOOL

Accutest New Jersey											Apr 15, 2016 14:26 pm
Job Number:	JC17161										
Account:	PARS Environmental Services										
Project:	WWP Regional-MHE, West Windsor-Plainsboro, NJ										
Project Number:											
										Legend:	Hit
											Exceedance
Client Sample ID:		MHE-01-H1-WC-P	MHE-01-KIT-KC-P	MHE-01-H2-WC-P	MHE-01-142-DW-P	MHE-01-161-DW-P	MHE-01-NUR-NS-P	MHE-01-221-DW-P	MHE-01-7-DW-P	MHE-01-FR-LC-P	MHE-01-165-DW-P
Lab Sample ID:		JC17161-1	JC17161-2	JC17161-3	JC17161-4	JC17161-5	JC17161-6	JC17161-7	JC17161-8	JC17161-9	JC17161-10
Date Sampled:		3/29/2016	3/29/2016	3/29/2016	3/29/2016	3/29/2016	3/29/2016	3/29/2016	3/29/2016	3/29/2016	3/29/2016
Matrix:		Drinking Water	Drinking Water	Drinking Water	Drinking Water	Drinking Water	Drinking Water	Drinking Water	Drinking Water	Drinking Water	Drinking Water
Metals Analysis											
Lead	mg/l	<0.00050 [a]	0.0025 [a]	<0.00050 [a]	0.0038 [a]	0.0051 [a]	<0.00050 [a]	0.00074 [a]	<0.00050 [a]	0.0048 [a]	0.016 [a]
Footnotes:											
[a] Analysis performed at Accutest Laboratories, Wheat Ridge, CO.											

Client Sample ID Format: School-Floor-Room-Outlet-Sample Type

Floor:

- 01 = First floor
- 02 = Second floor

Room:

- ### = Room number ###
- ###-### = Sample between room number ##
- H### = Hallway by room number ###
- BL = Boy's locker room
- CAF = Cafeteria
- FR = Faculty room
- GL = Girl's locker room
- KIT = Kitchen
- MGYM = Main gym
- MO = Main office
- NUR = Nurse's office
- SGYM = Small gym
- TGL = Team girl's locker room
- TL = Teacher's lounge
- TP = Teacher's prep room
- PLR = Pool Locker room

Outlet:

- BF = Bathroom faucet
- CF = Classroom faucet
- DW= Drinking water bubbler
- EC = Home economics room, cold
- KC = Kitchen faucet, cold
- LC = Lounge faucet, cold
- NS = Nurse's office sink
- WC = Water cooler (chiller unit)
- TF or TS = Teacher's faucet or Teacher's sink

Sample Type:

- P = Primary (first draw) sample
- F = Flush sample

TABLE 2
DRINKING WATER RESULTS TABLE – 4/19/16

TABLE 2
LEAD IN DRINKING WATER TESTING REPORT - 4/19/16
WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
MAURICE HAWK ELEMENTARY SCHOOL

SGS Accutest New Jersey			5/10/2016 10:57
Job Number:	JC18607		
Account:	PARS Environmental Services		
Project:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ		
Project Number:	565-84		
		Legend:	Hit
			Exceedance
Client Sample ID:		MHE-01-0165-DW-P	MHE-01-0165-DW-F
Lab Sample ID:		JC18607-1	JC18607-2
Date Sampled:		4/19/2016	4/19/2016
Matrix:		Drinking Water	Drinking Water
Metals Analysis			
Lead	mg/l	0.21	0.038

Client Sample ID Format: School-Floor-Room-Outlet-Sample Type

Floor:
- 01 = First floor
- 02 = Second floor

Room:
- ### = Room number ###
- ###-### = Sample between room number ### and room ###
- H### = Hallway by room number ###
- BL = Boy's locker room
- CAF = Cafeteria
- FR = Faculty room
- GL = Girl's locker room
- KIT = Kitchen
- MGYM = Main gym
- MO = Main office
- NUR = Nurse's office
- SGYM = Small gym
- TGL = Team girl's locker room
- TL = Teacher's lounge
- TP = Teacher's prep room
- PLR = Pool Locker room

Outlet:
- BF = Bathroom faucet
- CF = Classroom faucet
- DW= Drinking water bubbler
- EC = Home economics room, cold
- KC = Kitchen faucet, cold
- LC = Lounge faucet, cold
- NS = Nurse's office sink
- WC = Water cooler (chiller unit)
- TF or TS = Teacher's faucet or Teacher's sink

Sample Type:
- P = Primary (first draw) sample
- F = Flush sample

TABLE 3
DRINKING WATER RESULTS TABLE – 4/30/16

TABLE 3
LEAD IN DRINKING WATER TESTING REPORT - 4/30/16
WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
MAURICE HAWK ELEMENTARY SCHOOL

SGS Accutest New Jersey											5/10/2016 10:55
Job Number:	JC19412										
Account:	PARS Environmental Services										
Project:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ										
Project Number:	565-84										
										Legend:	Hit
											Exceedance

Client Sample ID:		MHE-01-163-DW-B	MHE-01-164-DW-P	MHE-01-165-DW-P	MHE-01-165-CF-P	MHE-01-166-DW-P	MHE-01-167-CF-P	MHE-01-168-DW-P	MHE-01-01-DW-P	MHE-01-169-DW-P	MHE-01-202-DW-P
Lab Sample ID:		JC19412-1	JC19412-2	JC19412-3	JC19412-4	JC19412-5	JC19412-6	JC19412-7	JC19412-8	JC19412-9	JC19412-10
Date Sampled:		4/30/2016	4/30/2016	4/30/2016	4/30/2016	4/30/2016	4/30/2016	4/30/2016	4/30/2016	4/30/2016	4/30/2016
Matrix:		Drinking Water	Drinking Water	Drinking Water	Drinking Water	Drinking Water	Drinking Water	Drinking Water	Drinking Water	Drinking Water	Drinking Water
Metals Analysis											
Lead	mg/l	0.0069	0.017	0.32	0.18	0.074	0.54	0.0066	0.0025	0.0069	0.001

Client Sample ID:		MHE-01-216-DW-P	MHE-01-160-DW-P	MHE-01-170-DW-B	MHE-01-162-DW-P
Lab Sample ID:		JC19412-11	JC19412-12	JC19412-13	JC19412-14
Date Sampled:		4/30/2016	4/30/2016	4/30/2016	4/30/2016
Matrix:		Drinking Water	Drinking Water	Drinking Water	Drinking Water
Metals Analysis					
Lead	mg/l	0.0066	0.0045	0.027	0.0037

Client Sample ID Format: School-Floor-Room-Outlet-Sample Type

Floor:
- 01 = First floor
- 02 = Second floor

Room:
- ### = Room number ###
- ###-### = Sample between room number ##
- H### = Hallway by room number ###
- BL = Boy's locker room
- CAF = Cafeteria
- FR = Faculty room
- GL = Girl's locker room
- KIT = Kitchen
- MGYM = Main gym
- MO = Main office
- NUR = Nurse's office
- SGYM = Small gym
- TGL = Team girl's locker room
- TL = Teacher's lounge
- TP = Teacher's prep room
- PLR = Pool Locker room

Outlet:
- BF = Bathroom faucet
- CF = Classroom faucet
- DW= Drinking water bubbler
- EC = Home economics room, cold
- KC = Kitchen faucet, cold
- LC = Lounge faucet, cold
- NS = Nurse's office sink
- WC = Water cooler (chiller unit)
- TF or TS = Teacher's faucet or Teacher's sink

Sample Type:
- P = Primary (first draw) sample
- F = Flush sample

APPENDIX A
LABORATORY ANALYTICAL REPORT – 3/29/16

e-Hardcopy 2.0
Automated Report

Technical Report for

PARS Environmental Services

WWP Regional-MHE, West Windsor-Plainsboro, NJ

SGS Accutest Job Number: JC17161

Sampling Date: 03/29/16

Report to:

PARS Environmental, Inc.
500 Horizon Drive Suite 540
Robbinsville, NJ 08691
ccasciolini@ParsEnviro.com

ATTN: Christa Casciolini

Total number of pages in report: **42**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

Sections: 1 2 3 4 5 6 7

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Sample Summary

PARS Environmental Services

Job No: JC17161

WWP Regional-MHE, West Windsor-Plainsboro, NJ

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC17161-1	03/29/16	06:52	MK	03/29/16	DW	Drinking Water	MHE-01-H1-WC-P
JC17161-2	03/29/16	06:58	MK	03/29/16	DW	Drinking Water	MHE-01-KIT-KC-P
JC17161-3	03/29/16	07:02	MK	03/29/16	DW	Drinking Water	MHE-01-H2-WC-P
JC17161-4	03/29/16	07:14	MK	03/29/16	DW	Drinking Water	MHE-01-142-DW-P
JC17161-5	03/29/16	07:24	MK	03/29/16	DW	Drinking Water	MHE-01-161-DW-P
JC17161-6	03/29/16	06:55	CC	03/29/16	DW	Drinking Water	MHE-01-NUR-NS-P
JC17161-7	03/29/16	07:07	CC	03/29/16	DW	Drinking Water	MHE-01-221-DW-P
JC17161-8	03/29/16	07:10	CC	03/29/16	DW	Drinking Water	MHE-01-7-DW-P
JC17161-9	03/29/16	07:25	CC	03/29/16	DW	Drinking Water	MHE-01-FR-LC-P
JC17161-10	03/29/16	07:28	CC	03/29/16	DW	Drinking Water	MHE-01-165-DW-P

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: PARS Environmental Services **Job No** JC17161

Site: WWP Regional-MHE, West Windsor-Plainsboro, NJ **Report Date** 4/13/2016 11:23:58 A

On 03/29/2016, 10 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 5 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JC17161 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

Metals By Method EPA 200.8

Matrix: DW **Batch ID:** D:MP18436

- The data for EPA 200.8 meets quality control requirements.
- JC17161-10 for Lead: Analysis performed at Accutest Laboratories, Wheat Ridge, CO.
- JC17161-9 for Lead: Analysis performed at Accutest Laboratories, Wheat Ridge, CO.
- JC17161-8 for Lead: Analysis performed at Accutest Laboratories, Wheat Ridge, CO.
- JC17161-7 for Lead: Analysis performed at Accutest Laboratories, Wheat Ridge, CO.
- JC17161-6 for Lead: Analysis performed at Accutest Laboratories, Wheat Ridge, CO.
- JC17161-5 for Lead: Analysis performed at Accutest Laboratories, Wheat Ridge, CO.
- JC17161-4 for Lead: Analysis performed at Accutest Laboratories, Wheat Ridge, CO.
- JC17161-3 for Lead: Analysis performed at Accutest Laboratories, Wheat Ridge, CO.
- JC17161-2 for Lead: Analysis performed at Accutest Laboratories, Wheat Ridge, CO.
- JC17161-1 for Lead: Analysis performed at Accutest Laboratories, Wheat Ridge, CO.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Accutest New Jersey	**Job No**	JC17161
Site:	PARS: WWP Regional-MHE, West Windsor-Plainsboro, NJ	**Report Date**	4/13/2016 8:12:59 AM

On 03/29/2016, 10 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 2.3 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of JC17161 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Metals By Method EPA 200.8

Matrix: DW **Batch ID:** MP18436

- All samples were digested and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC17161-1MS, JC17161-1MSD were used as the QC samples for the metals analysis.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Summary of Hits

Job Number: JC17161
Account: PARS Environmental Services
Project: WWP Regional-MHE, West Windsor-Plainsboro, NJ
Collected: 03/29/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC17161-1	**MHE-01-H1-WC-P**					
No hits reported in this sample.						
JC17161-2	**MHE-01-KIT-KC-P**					
Lead [a]		0.0025	0.00050		mg/l	EPA 200.8
JC17161-3	**MHE-01-H2-WC-P**					
No hits reported in this sample.						
JC17161-4	**MHE-01-142-DW-P**					
Lead [a]		0.0038	0.00050		mg/l	EPA 200.8
JC17161-5	**MHE-01-161-DW-P**					
Lead [a]		0.0051	0.00050		mg/l	EPA 200.8
JC17161-6	**MHE-01-NUR-NS-P**					
No hits reported in this sample.						
JC17161-7	**MHE-01-221-DW-P**					
Lead [a]		0.00074	0.00050		mg/l	EPA 200.8
JC17161-8	**MHE-01-7-DW-P**					
No hits reported in this sample.						
JC17161-9	**MHE-01-FR-LC-P**					
Lead [a]		0.0048	0.00050		mg/l	EPA 200.8
JC17161-10	**MHE-01-165-DW-P**					
Lead [a]		0.016	0.00050		mg/l	EPA 200.8

(a) Analysis performed at Accutest Laboratories, Wheat Ridge, CO.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MHE-01-H1-WC-P		
Lab Sample ID:	JC17161-1	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/29/16
		Percent Solids:	n/a
Project:	WWP Regional-MHE, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	< 0.00050	0.015	0.00050	mg/l	1	04/12/16	04/12/16	AMS	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: D:MA7199
(2) Prep QC Batch: D:MP18436

(a) Analysis performed at Accutest Laboratories, Wheat Ridge, CO.

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-KIT-KC-P		
Lab Sample ID:	JC17161-2	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/29/16
		Percent Solids:	n/a
Project:	WWP Regional-MHE, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	0.0025	0.015	0.00050	mg/l	1	04/12/16	04/12/16	AMS	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: D:MA7199
(2) Prep QC Batch: D:MP18436

(a) Analysis performed at Accutest Laboratories, Wheat Ridge, CO.

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-H2-WC-P		
Lab Sample ID:	JC17161-3	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/29/16
		Percent Solids:	n/a
Project:	WWP Regional-MHE, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	< 0.00050	0.015	0.00050	mg/l	1	04/12/16	04/12/16	AMS	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: D:MA7199
(2) Prep QC Batch: D:MP18436

(a) Analysis performed at Accutest Laboratories, Wheat Ridge, CO.

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-142-DW-P		
Lab Sample ID:	JC17161-4	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/29/16
		Percent Solids:	n/a
Project:	WWP Regional-MHE, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	0.0038	0.015	0.00050	mg/l	1	04/12/16	04/12/16	AMS	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: D:MA7199
(2) Prep QC Batch: D:MP18436

(a) Analysis performed at Accutest Laboratories, Wheat Ridge, CO.

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-161-DW-P		
Lab Sample ID:	JC17161-5	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/29/16
		Percent Solids:	n/a
Project:	WWP Regional-MHE, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	0.0051	0.015	0.00050	mg/l	1	04/12/16	04/12/16	AMS	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: D:MA7199
(2) Prep QC Batch: D:MP18436

(a) Analysis performed at Accutest Laboratories, Wheat Ridge, CO.

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-NUR-NS-P		
Lab Sample ID:	JC17161-6	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/29/16
		Percent Solids:	n/a
Project:	WWP Regional-MHE, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	< 0.00050	0.015	0.00050	mg/l	1	04/12/16	04/12/16	AMS	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: D:MA7199
(2) Prep QC Batch: D:MP18436

(a) Analysis performed at Accutest Laboratories, Wheat Ridge, CO.

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-221-DW-P		
Lab Sample ID:	JC17161-7	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/29/16
		Percent Solids:	n/a
Project:	WWP Regional-MHE, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	0.00074	0.015	0.00050	mg/l	1	04/12/16	04/12/16	AMS	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: D:MA7199
(2) Prep QC Batch: D:MP18436

(a) Analysis performed at Accutest Laboratories, Wheat Ridge, CO.

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-7-DW-P		
Lab Sample ID:	JC17161-8	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/29/16
		Percent Solids:	n/a
Project:	WWP Regional-MHE, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	< 0.00050	0.015	0.00050	mg/l	1	04/12/16	04/12/16	AMS	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: D:MA7199
(2) Prep QC Batch: D:MP18436

(a) Analysis performed at Accutest Laboratories, Wheat Ridge, CO.

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-FR-LC-P		
Lab Sample ID:	JC17161-9	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/29/16
		Percent Solids:	n/a
Project:	WWP Regional-MHE, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	0.0048	0.015	0.00050	mg/l	1	04/12/16	04/12/16	AMS	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: D:MA7199
(2) Prep QC Batch: D:MP18436

(a) Analysis performed at Accutest Laboratories, Wheat Ridge, CO.

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-165-DW-P		
Lab Sample ID:	JC17161-10	**Date Sampled:**	03/29/16
Matrix:	DW - Drinking Water	**Date Received:**	03/29/16
		Percent Solids:	n/a
Project:	WWP Regional-MHE, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	0.016	0.015	0.00050	mg/l	1	04/12/16	04/12/16	AMS	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: D:MA7199
(2) Prep QC Batch: D:MP18436

(a) Analysis performed at Accutest Laboratories, Wheat Ridge, CO.

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

SGS ACCUTEST

CHAIN OF CUSTODY

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

PAGE 1 OF 1

FED-EX Tracking #:
Bottle Order Control #:
SGS Accutest Quote #:
SGS Accutest Job #: E17161

Client / Reporting Information

Company Name: PARS Environmental
Street Address: 500 Horizon Dr, Suite 540
City: Robbinsville State: NJ Zip: 08691
Project Contact: Christa Casciolini, ccasciolini@parenviro.com
Phone #: 609-890-7277 Fax #:
Sampler(s) Name(s): Phone #:

Project Information

Project Name: WWP Regional - MHE
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

DW
Pb
200.8

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
1	MHE-01-HI-WC-P		3/29/16	6:52	MK		1			1						A31
2	MHE-01-KID-KC-P		3/29/16	6:58	MK		1			1						
3	MHE-01-H2-WC-P		3/29/16	7:02	MK		1			1						
4	MHE-01-142-DW-P		3/29/16	7:14	MK		1			1						
5	MHE-01-161-DW-P		3/29/16	7:24	MK		1			1						
6	MHE-01-MUR-NS-P		3/29/16	6:55	CC		1			1						
7	MHE-01-221-DW-P		3/29/16	7:07	CC		1			1						
8	MHE-01-7-DW-P		3/29/16	7:10	CC		1			1						
9	MHE-01-FR-LC-P		3/29/16	7:25	CC		1			1						
10	MHE-01-165-DW-P		3/29/16	7:28	CC		1			1						

INITIAL ASSESSMENT SB OK
LABEL VERIFICATION AM

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [x] other 2 week

Approved By (SGS Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Chris Mc	3/29/16 1605	1	2	3-29-16 1715	2
3			3	4		4
5			5			

Custody Seal # [ ] Intact [ ] Not Intact
Preserved where applicable
On Ice
Cooler Temp. 4/6

SGS Accutest Sample Receipt Summary

Job Number: JC17161 **Client:** _____ **Project:** _____

Date / Time Received: 3/29/2016 5:15:00 PM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (4.6);

Cooler Temps (Corrected) °C: Cooler 1: (5.0);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Internal Sample Tracking Chronicle

PARS Environmental Services

Job No: JC17161

WWP Regional-MHE, West Windsor-Plainsboro, NJ

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC17161-1	Collected: 29-MAR-16 06:52 By: MK			Received: 29-MAR-16 By: AL		
MHE-01-H1-WC-P						
JC17161-1	EPA 200.8	12-APR-16 13:39	AMS	12-APR-16	AMS	PBMS
JC17161-2	Collected: 29-MAR-16 06:58 By: MK			Received: 29-MAR-16 By: AL		
MHE-01-KIT-KC-P						
JC17161-2	EPA 200.8	12-APR-16 13:48	AMS	12-APR-16	AMS	PBMS
JC17161-3	Collected: 29-MAR-16 07:02 By: MK			Received: 29-MAR-16 By: AL		
MHE-01-H2-WC-P						
JC17161-3	EPA 200.8	12-APR-16 13:51	AMS	12-APR-16	AMS	PBMS
JC17161-4	Collected: 29-MAR-16 07:14 By: MK			Received: 29-MAR-16 By: AL		
MHE-01-142-DW-P						
JC17161-4	EPA 200.8	12-APR-16 13:54	AMS	12-APR-16	AMS	PBMS
JC17161-5	Collected: 29-MAR-16 07:24 By: MK			Received: 29-MAR-16 By: AL		
MHE-01-161-DW-P						
JC17161-5	EPA 200.8	12-APR-16 13:58	AMS	12-APR-16	AMS	PBMS
JC17161-6	Collected: 29-MAR-16 06:55 By: CC			Received: 29-MAR-16 By: AL		
MHE-01-NUR-NS-P						
JC17161-6	EPA 200.8	12-APR-16 14:01	AMS	12-APR-16	AMS	PBMS
JC17161-7	Collected: 29-MAR-16 07:07 By: CC			Received: 29-MAR-16 By: AL		
MHE-01-221-DW-P						
JC17161-7	EPA 200.8	12-APR-16 14:10	AMS	12-APR-16	AMS	PBMS
JC17161-8	Collected: 29-MAR-16 07:10 By: CC			Received: 29-MAR-16 By: AL		
MHE-01-7-DW-P						
JC17161-8	EPA 200.8	12-APR-16 14:13	AMS	12-APR-16	AMS	PBMS

Internal Sample Tracking Chronicle

PARS Environmental Services

Job No: JC17161

WWP Regional-MHE, West Windsor-Plainsboro, NJ

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC17161-9 Collected: 29-MAR-16 07:25 By: CC Received: 29-MAR-16 By: AL MHE-01-FR-LC-P						
JC17161-9	EPA 200.8	12-APR-16 14:16	AMS	12-APR-16	AMS	PBMS
JC17161-10 Collected: 29-MAR-16 07:28 By: CC Received: 29-MAR-16 By: AL MHE-01-165-DW-P						
JC17161-10	EPA 200.8	12-APR-16 14:19	AMS	12-APR-16	AMS	PBMS

SGS Accutest Internal Chain of Custody

Job Number: JC17161
Account: PARS PARS Environmental Services
Project: WWP Regional-MHE, West Windsor-Plainsboro, NJ
Received: 03/29/16

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC17161-1.1	Secured Storage	Bernadette Vassilatos	03/30/16 09:12	Retrieve from Storage
JC17161-1.1	Bernadette Vassilatos		03/30/16 09:12	Subcontract
JC17161-2.1	Secured Storage	Bernadette Vassilatos	03/30/16 09:12	Retrieve from Storage
JC17161-2.1	Bernadette Vassilatos		03/30/16 09:12	Subcontract
JC17161-3.1	Secured Storage	Bernadette Vassilatos	03/30/16 09:12	Retrieve from Storage
JC17161-3.1	Bernadette Vassilatos		03/30/16 09:12	Subcontract
JC17161-4.1	Secured Storage	Bernadette Vassilatos	03/30/16 09:12	Retrieve from Storage
JC17161-4.1	Bernadette Vassilatos		03/30/16 09:12	Subcontract
JC17161-5.1	Secured Storage	Bernadette Vassilatos	03/30/16 09:12	Retrieve from Storage
JC17161-5.1	Bernadette Vassilatos		03/30/16 09:12	Subcontract
JC17161-6.1	Secured Storage	Bernadette Vassilatos	03/30/16 09:12	Retrieve from Storage
JC17161-6.1	Bernadette Vassilatos		03/30/16 09:12	Subcontract
JC17161-7.1	Secured Storage	Bernadette Vassilatos	03/30/16 09:12	Retrieve from Storage
JC17161-7.1	Bernadette Vassilatos		03/30/16 09:12	Subcontract
JC17161-8.1	Secured Storage	Bernadette Vassilatos	03/30/16 09:12	Retrieve from Storage
JC17161-8.1	Bernadette Vassilatos		03/30/16 09:12	Subcontract
JC17161-9.1	Secured Storage	Bernadette Vassilatos	03/30/16 09:12	Retrieve from Storage
JC17161-9.1	Bernadette Vassilatos		03/30/16 09:12	Subcontract
JC17161-10.1	Secured Storage	Bernadette Vassilatos	03/30/16 09:12	Retrieve from Storage
JC17161-10.1	Bernadette Vassilatos		03/30/16 09:12	Subcontract

Misc. Forms

Custody Documents and Other Forms

(Accutest Mountain States)

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle

CHAIN OF CUSTODY

SGS ACCUTEST

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com

FED-EX Tracking #: | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: JC17161

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 2235 Route 130
City: Dayton State: NJ Zip: 08810
Project Contact: micheild E-mail: micheild@accutest.com
Phone #: 732-329-0200 Fax #:
Sampler(s) Name(s): MK Phone:

Project Information

Project Name: WWP Regional-MHE, West Windsor-Plainsboro, NJ
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	PBMS	LAB USE ONLY
1	MHE-01-H1-WC-P		3/29/16	6:52:00 AM	MK	DW										X	
2	MHE-01-KIT-KC-P		3/29/16	6:58:00 AM	MK	DW										X	
3	MHE-01-H2-WC-P		3/29/16	7:02:00 AM	MK	DW										X	
4	MHE-01-142-DW-P		3/29/16	7:14:00 AM	MK	DW										X	
5	MHE-01-161-DW-P		3/29/16	7:24:00 AM	MK	DW										X	
6	MHE-01-NUR-NS-P		3/29/16	6:55:00 AM	MK	DW										X	
7	MHE-01-221-DW-P		3/29/16	7:07:00 AM	MK	DW										X	
8	MHE-01-7-DW-P		3/29/16	7:10:00 AM	MK	DW										X	
9	MHE-01-FR-LC-P		3/29/16	7:25:00 AM	MK	DW										X	
10	MHE-01-165-DW-P		3/29/16	7:25:00 AM	MK	DW										X	

Turnaround Time (Business days)

Approved By (SGS Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 4/12/2016

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other REDT2

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Sampler	3/30/16 17:00	Fed Ex	2		3/31/16 10:00
3				4		
5						

Custody Seal # 702 [X] Intact [ ] Not Intact | Preserved where applicable [X] | TOAD | On Ice [X] | Cooler Temp. 2-3

FX

Internal Sample Tracking Chronicle

Accutest New Jersey

Job No: JC17161

PARS: WWP Regional-MHE, West Windsor-Plainsboro, NJ
Project No: PARS68313

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC17161-1	Collected: 29-MAR-16 06:52 By: MK			Received: 29-MAR-16	By:	
MHE-01-H1-WC-P						
JC17161-1	EPA 200.8	12-APR-16 13:39	RM	12-APR-16	LH	PBMS
JC17161-2	Collected: 29-MAR-16 06:58 By: MK			Received: 29-MAR-16	By:	
MHE-01-KIT-KC-P						
JC17161-2	EPA 200.8	12-APR-16 13:48	RM	12-APR-16	LH	PBMS
JC17161-3	Collected: 29-MAR-16 07:02 By: MK			Received: 29-MAR-16	By:	
MHE-01-H2-WC-P						
JC17161-3	EPA 200.8	12-APR-16 13:51	RM	12-APR-16	LH	PBMS
JC17161-4	Collected: 29-MAR-16 07:14 By: MK			Received: 29-MAR-16	By:	
MHE-01-142-DW-P						
JC17161-4	EPA 200.8	12-APR-16 13:54	RM	12-APR-16	LH	PBMS
JC17161-5	Collected: 29-MAR-16 07:24 By: MK			Received: 29-MAR-16	By:	
MHE-01-161-DW-P						
JC17161-5	EPA 200.8	12-APR-16 13:58	RM	12-APR-16	LH	PBMS
JC17161-6	Collected: 29-MAR-16 06:55 By: MK			Received: 29-MAR-16	By:	
MHE-01-NUR-NS-P						
JC17161-6	EPA 200.8	12-APR-16 14:01	RM	12-APR-16	LH	PBMS
JC17161-7	Collected: 29-MAR-16 07:07 By: MK			Received: 29-MAR-16	By:	
MHE-01-221-DW-P						
JC17161-7	EPA 200.8	12-APR-16 14:10	RM	12-APR-16	LH	PBMS
JC17161-8	Collected: 29-MAR-16 07:10 By: MK			Received: 29-MAR-16	By:	
MHE-01-7-DW-P						
JC17161-8	EPA 200.8	12-APR-16 14:13	RM	12-APR-16	LH	PBMS

Internal Sample Tracking Chronicle

Accutest New Jersey

Job No: JC17161

PARS: WWP Regional-MHE, West Windsor-Plainsboro, NJ
Project No: PARS68313

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC17161-9 Collected: 29-MAR-16 07:25 By: MK Received: 29-MAR-16 By: MHE-01-FR-LC-P						
JC17161-9	EPA 200.8	12-APR-16 14:16	RM	12-APR-16	LH	PBMS
JC17161-10 Collected: 29-MAR-16 07:25 By: MK Received: 29-MAR-16 By: MHE-01-165-DW-P						
JC17161-10	EPA 200.8	12-APR-16 14:19	RM	12-APR-16	LH	PBMS

Metals Analysis

QC Data Summaries

(Accutest Mountain States)

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC17161
Account: ALNJ - Accutest New Jersey
Project: PARS: WWP Regional-MHE, West Windsor-Plainsboro, NJ

File ID: PA041216DW.REP Date Analyzed: 04/12/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7199
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:21	MA7199-STD1	1		STDBLK
11:24	MA7199-STD2	1		STD1
11:27	MA7199-STD3	1		STD2
11:30	MA7199-STD4	1		STD3
11:33	MA7199-CRI1	1		
11:36	MA7199-ICV1	1		
11:39	MA7199-ICB1	1		
11:42	MA7199-CCV1	1		
11:45	MA7199-CCB1	1		
11:48	MP18363-MB1	1		
11:51	MP18363-B1	1		
11:54	D81147-1	2		(sample used for QC only; not part of login JC17161)
11:58	MP18363-S1	2		
12:01	MP18363-S2	2		
12:04	ZZZZZZ	2		
12:07	ZZZZZZ	2		
12:10	ZZZZZZ	2		
12:13	MA7199-CCV2	1		
12:16	MA7199-CCB2	1		
12:19	ZZZZZZ	2		
12:22	ZZZZZZ	2		
12:25	ZZZZZZ	2		
12:28	ZZZZZZ	2		
12:31	ZZZZZZ	2		
12:34	ZZZZZZ	2		
12:37	MP18364-MB1	1		
12:41	MP18364-B1	1		
12:44	D81148-1	2		(sample used for QC only; not part of login JC17161)
12:47	MP18364-S1	2		
12:50	MA7199-CCV3	1		
12:53	MA7199-CCB3	1		
12:56	MP18364-S2	2		
12:59	ZZZZZZ	2		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC17161
Account: ALNJ - Accutest New Jersey
Project: PARS: WWP Regional-MHE, West Windsor-Plainsboro, NJ

File ID: PA041216DW.REP Date Analyzed: 04/12/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7199
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:02	ZZZZZZ	2		
13:05	ZZZZZZ	2		
13:09	ZZZZZZ	2		
13:12	ZZZZZZ	2		
13:15	ZZZZZZ	2		
13:18	ZZZZZZ	2		
13:21	ZZZZZZ	2		
13:24	ZZZZZZ	2		
13:27	MA7199-CCV4	1		
13:30	MA7199-CCB4	1		
13:33	MP18436-MB1	1		
13:36	MP18436-B1	1		
13:39	JC17161-1	1		
13:42	MP18436-S1	1		
13:45	MP18436-S2	1		
13:48	JC17161-2	1		
13:51	JC17161-3	1		
13:54	JC17161-4	1		
13:58	JC17161-5	1		
14:01	JC17161-6	1		
14:04	MA7199-CCV5	1		
14:07	MA7199-CCB5	1		
14:10	JC17161-7	1		
14:13	JC17161-8	1		
14:16	JC17161-9	1		
14:19	JC17161-10	1		
---------->	Last reportable sample/prep for job JC17161			
14:22	MA7199-CCV6	1		
14:25	MA7199-CCB6	1		
---------->	Last reportable CCB for job JC17161			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JC17161
Account: ALNJ - Accutest New Jersey
Project: PARS: WWP Regional-MHE, West Windsor-Plainsboro, NJ

File ID: PA041216DW.REP Date Analyzed: 04/12/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7199
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
11:21	MA7199-STD1	447364 R	471477 R
11:24	MA7199-STD2	440737	459243
11:27	MA7199-STD3	447156	464711
11:30	MA7199-STD4	434641	446270
11:33	MA7199-CRI1	424832	445977
11:36	MA7199-ICV1	438641	457008
11:39	MA7199-ICB1	438645	465546
11:42	MA7199-CCV1	446470	469334
11:45	MA7199-CCB1	432122	463143
11:48	MP18363-MB1	406228	413408
11:51	MP18363-B1	397565	398529
11:54	D81147-1	413781	411017
11:58	MP18363-S1	422855	421939
12:01	MP18363-S2	431961	431411
12:04	ZZZZZZ	434806	430944
12:07	ZZZZZZ	430532	432225
12:10	ZZZZZZ	432080	435652
12:13	MA7199-CCV2	466195	482251
12:16	MA7199-CCB2	455913	478433
12:19	ZZZZZZ	444064	439561
12:22	ZZZZZZ	435105	433879
12:25	ZZZZZZ	439518	435788
12:28	ZZZZZZ	428493	434517
12:31	ZZZZZZ	436684	435891
12:34	ZZZZZZ	431116	444002
12:37	MP18364-MB1	415452	411213
12:41	MP18364-B1	394599	401512
12:44	D81148-1	416184	409549
12:47	MP18364-S1	425271	414969
12:50	MA7199-CCV3	453008	468601
12:53	MA7199-CCB3	445809	469457
12:56	MP18364-S2	426721	420252
12:59	ZZZZZZ	423817	412876

INTERNAL STANDARD SUMMARY

Login Number: JC17161
Account: ALNJ - Accutest New Jersey
Project: PARS: WWP Regional-MHE, West Windsor-Plainsboro, NJ

File ID: PA041216DW.REP Date Analyzed: 04/12/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7199
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
13:02	ZZZZZZ	423386	414540
13:05	ZZZZZZ	427529	415248
13:09	ZZZZZZ	425870	417395
13:12	ZZZZZZ	434541	417397
13:15	ZZZZZZ	423773	408150
13:18	ZZZZZZ	437809	414677
13:21	ZZZZZZ	433947	421628
13:24	ZZZZZZ	435554	417257
13:27	MA7199-CCV4	465409	481589
13:30	MA7199-CCB4	458671	474571
13:33	MP18436-MB1	414925	417443
13:36	MP18436-B1	395779	398861
13:39	JC17161-1	395937	380796
13:42	MP18436-S1	393955	385590
13:45	MP18436-S2	404923	390322
13:48	JC17161-2	381125	371544
13:51	JC17161-3	394234	388020
13:54	JC17161-4	393539	380700
13:58	JC17161-5	385895	375700
14:01	JC17161-6	389926	373253
14:04	MA7199-CCV5	433159	442273
14:07	MA7199-CCB5	435327	455334
14:10	JC17161-7	396874	386261
14:13	JC17161-8	389367	377210
14:16	JC17161-9	387321	377409
14:19	JC17161-10	382689	374895
14:22	MA7199-CCV6	432828	444293
14:25	MA7199-CCB6	436615	456807

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %
Istd#2	Bismuth	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC17161
Account: ALNJ - Accutest New Jersey
Project: PARS: WWP Regional-MHE, West Windsor-Plainsboro, NJ

File ID: PA041216DW.REP Date Analyzed: 04/12/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7199 Units: ug/l

Time: / Sample ID:			11:39 ICB1		11:45 CCB1		12:16 CCB2		12:53 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Copper	2.0	.06	anr							
Lead	0.50	.0079	0.060	<0.50	0.026	<0.50	0.023	<0.50	0.046	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC17161
Account: ALNJ - Accutest New Jersey
Project: PARS: WWP Regional-MHE, West Windsor-Plainsboro, NJ

File ID: PA041216DW.REP Date Analyzed: 04/12/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7199 Units: ug/l

Time:			13:30		14:07		14:25	
Sample ID:			CCB4		CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final
Copper	2.0	.06	anr					
Lead	0.50	.0079	0.032	<0.50	0.033	<0.50	0.033	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC17161
Account: ALNJ - Accutest New Jersey
Project: PARS: WWP Regional-MHE, West Windsor-Plainsboro, NJ

File ID: PA041216DW.REP Date Analyzed: 04/12/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7199 Units: ug/l

Time:		11:36			11:42			12:13	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	100	99.3	99.3	50	49.4	98.8	50	50.1	100.2

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC17161
Account: ALNJ - Accutest New Jersey
Project: PARS: WWP Regional-MHE, West Windsor-Plainsboro, NJ

File ID: PA041216DW.REP Date Analyzed: 04/12/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7199 Units: ug/l

Time:		12:50			13:27			14:04	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	50	50.9	101.8	50	50.7	101.4	50	51.3	102.6

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC17161
Account: ALNJ - Accutest New Jersey
Project: PARS: WWP Regional-MHE, West Windsor-Plainsboro, NJ

File ID: PA041216DW.REP Date Analyzed: 04/12/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7199 Units: ug/l

Time:		14:22	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Copper	anr		
Lead	50	50.2	100.4

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JC17161
Account: ALNJ - Accutest New Jersey
Project: PARS: WWP Regional-MHE, West Windsor-Plainsboro, NJ

File ID: PA041216DW.REP Date Analyzed: 04/12/16 Methods: EPA 200.8
QC Limits: 50 to 150 % Recovery Run ID: MA7199 Units: ug/l

Time:			11:33	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Copper	2.0	2.0	anr	
Lead	0.50	0.50	0.61	122.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC17161
Account: ALNJ - Accutest New Jersey
Project: PARS: WWP Regional-MHE, West Windsor-Plainsboro, NJ

QC Batch ID: MP18436 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/12/16

Metal	RL	IDL	MDL	MB raw	final
Copper	0.0020	.00006	.00014		
Lead	0.00050	.0000079	.00001	0.000031	<0.00050

Associated samples MP18436: JC17161-1, JC17161-2, JC17161-3, JC17161-4, JC17161-5, JC17161-6, JC17161-7, JC17161-8, JC17161-9, JC17161-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC17161
Account: ALNJ - Accutest New Jersey
Project: PARS: WWP Regional-MHE, West Windsor-Plainsboro, NJ

QC Batch ID: MP18436 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/12/16

Metal	JC17161-1 Original	MS	Spikelot ICPALL2	% Rec	QC Limits
Copper					
Lead	0.00048	0.19	0.20	94.8	70-130

Associated samples MP18436: JC17161-1, JC17161-2, JC17161-3, JC17161-4, JC17161-5, JC17161-6, JC17161-7, JC17161-8, JC17161-9, JC17161-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC17161
Account: ALNJ - Accutest New Jersey
Project: PARS: WWP Regional-MHE, West Windsor-Plainsboro, NJ

QC Batch ID: MP18436 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/12/16

Metal	JC17161-1 Original	MSD	Spikelot ICPALL2	% Rec	MSD RPD	QC Limit
Copper						
Lead	0.00048	0.19	0.20	94.8	0.0	20

Associated samples MP18436: JC17161-1, JC17161-2, JC17161-3, JC17161-4, JC17161-5, JC17161-6, JC17161-7, JC17161-8, JC17161-9, JC17161-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC17161
Account: ALNJ - Accutest New Jersey
Project: PARS: WWP Regional-MHE, West Windsor-Plainsboro, NJ

QC Batch ID: MP18436
Matrix Type: DRINKING WATER

Methods: EPA 200.8
Units: mg/l

Prep Date: 04/12/16

Metal	BSP Result	Spikelot ICPALL2	% Rec	QC Limits
Copper				
Lead	0.19	0.20	95.0	85-115

Associated samples MP18436: JC17161-1, JC17161-2, JC17161-3, JC17161-4, JC17161-5, JC17161-6, JC17161-7, JC17161-8, JC17161-9, JC17161-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

APPENDIX B
LABORATORY ANALYTICAL REPORT – 4/19/16

e-Hardcopy 2.0
Automated Report

Technical Report for

PARS Environmental Services

WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

565-84

SGS Accutest Job Number: JC18607

Sampling Date: 04/19/16

Report to:

PARS Environmental, Inc.
500 Horizon Drive Suite 540
Robbinsville, NJ 08691
RTorres@ParsEnviro.com

ATTN: Rafael Torres

Total number of pages in report: **30**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

Sections: 1 2 3 4 5 6

Table of Contents

Sample Summary

PARS Environmental Services

Job No: JC18607

WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ
Project No: 565-84

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC18607-1	04/19/16	06:31	MN	04/19/16	DW	Drinking Water	MHE-01-0165-DW-P
JC18607-2	04/19/16	06:32	MN	04/19/16	DW	Drinking Water	MHE-01-0165-DW-F

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	PARS Environmental Services	**Job No**	JC18607
Site:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Win	**Report Date**	4/25/2016 5:11:10 PM

On 04/19/2016, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 5.6 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JC18607 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

Metals By Method EPA 200.8

Matrix: DW **Batch ID:** MP93239

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC18578-1MS, JC18578-1MSD were used as the QC samples for metals.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JC18607
Account: PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ
Collected: 04/19/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC18607-1	**MHE-01-0165-DW-P**					
Lead		0.21	0.00050		mg/l	EPA 200.8
JC18607-2	**MHE-01-0165-DW-F**					
Lead		0.038	0.00050		mg/l	EPA 200.8

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MHE-01-0165-DW-P		
Lab Sample ID:	JC18607-1	**Date Sampled:**	04/19/16
Matrix:	DW - Drinking Water	**Date Received:**	04/19/16
		Percent Solids:	n/a
Project:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.21	0.015	0.00050	mg/l	1	04/20/16	04/20/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39225
(2) Prep QC Batch: MP93239

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-0165-DW-F		
Lab Sample ID:	JC18607-2	**Date Sampled:**	04/19/16
Matrix:	DW - Drinking Water	**Date Received:**	04/19/16
		Percent Solids:	n/a
Project:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.038	0.015	0.00050	mg/l	1	04/20/16	04/20/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39225
(2) Prep QC Batch: MP93239

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ACCUTEST LABORATORIES

DW

CHAIN OF CUSTODY

PAGE ___ OF ___

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: JC18607

Client / Reporting Information

Company Name: PARS Environmental Inc.
Street Address: 500 Horizon Drive, Suite 540
City State Zip: Robbinsville, NJ 08691
Project Contact: Rafael L. Torres, III | E-mail:
Phone #: 609-890-7277 | Fax #: 609-890-9116
Sampler(s) Name(s): Mike Nixon | Phone #: 609-414-2188

Project Information

Project Name: WWP Schools - Maurice Hawk
Street: 303-305 Clarksville Road
City State: West Windsor NJ
Project #: 565-84
Client Purchase Order #:
Project Manager: Rafael L. Torres, III

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	PBMS	LAB USE ONLY
1	MHE-01-0165-DW-P		4/19/16	0631	MN	DW	1			1						1	
2	MHE-01-0165-DW-F		4/19/16	0632	MN	DW	1			1						1	A15

INITIAL ASESSMENT JB 4/20
LABEL VERIFICATION - AM

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [X] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] other

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1	Date Time: 4-19-16 1545	Received By: 1		Relinquished By: 2	Date Time: 4-19-16 1645	Received By: 2	
Relinquished by Sampler: 3	Date Time:	Received By: 3		Relinquished By: 4	Date Time:	Received By: 4	
Relinquished by: 5	Date Time:	Received By: 5		Custody Seal #	☐ Intact ☐ Not Intact	Preserved where applicable ☑	On Ice ☐ Cooler Temp. 5.2

IDE

5.1 5

JC18607: Chain of Custody
Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: JC18607 **Client:** _____ **Project:** _____

Date / Time Received: 4/19/2016 4:45:00 PM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (5.2);

Cooler Temps (Corrected) °C: Cooler 1: (5.6);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Internal Sample Tracking Chronicle

PARS Environmental Services

Job No: JC18607

WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ
Project No: 565-84

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC18607-1	Collected: 19-APR-16 06:31 By: MN			Received: 19-APR-16	By: AS	
MHE-01-0165-DW-P						
JC18607-1	EPA 200.8	20-APR-16 13:11	JO	20-APR-16	JO	PBMS
JC18607-2	Collected: 19-APR-16 06:32 By: MN			Received: 19-APR-16	By: AS	
MHE-01-0165-DW-F						
JC18607-2	EPA 200.8	20-APR-16 13:14	JO	20-APR-16	JO	PBMS

SGS Accutest Internal Chain of Custody

Job Number: JC18607
Account: PARS PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ
Received: 04/19/16

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC18607-1.1	Secured Storage	Sahara Feliciano	04/20/16 08:28	Retrieve from Storage
JC18607-1.1	Sahara Feliciano	Secured Staging Area	04/20/16 08:28	Return to Storage
JC18607-1.1	Secured Staging Area	Jaclyn O'Connor	04/20/16 09:01	Retrieve from Storage
JC18607-1.1	Jaclyn O'Connor	Secured Storage	04/20/16 14:40	Return to Storage
JC18607-1.1	Secured Storage	Christopher Hall	04/20/16 15:46	Retrieve from Storage
JC18607-1.1	Christopher Hall	Secured Staging Area	04/20/16 15:47	Return to Storage
JC18607-1.1	Secured Staging Area	Christopher Hall	04/20/16 15:47	Retrieve from Storage
JC18607-1.1	Shirley Grzybowski	Secured Storage	04/23/16 07:21	Return to Storage
Analyst unavailable for custody transfer.				
JC18607-2.1	Secured Storage	Sahara Feliciano	04/20/16 08:28	Retrieve from Storage
JC18607-2.1	Sahara Feliciano	Secured Staging Area	04/20/16 08:28	Return to Storage
JC18607-2.1	Secured Staging Area	Jaclyn O'Connor	04/20/16 09:01	Retrieve from Storage
JC18607-2.1	Jaclyn O'Connor	Secured Storage	04/20/16 14:40	Return to Storage
JC18607-2.1	Secured Storage	Christopher Hall	04/20/16 15:46	Retrieve from Storage
JC18607-2.1	Christopher Hall	Secured Staging Area	04/20/16 15:47	Return to Storage
JC18607-2.1	Secured Staging Area	Christopher Hall	04/20/16 15:47	Retrieve from Storage
JC18607-2.1	Shirley Grzybowski	Secured Storage	04/23/16 07:21	Return to Storage
Analyst unavailable for custody transfer.				

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC18607
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39225
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:13	MA39225-STD1	1		STDA
10:17	MA39225-STD2	1		STDA
10:20	MA39225-STD3	1		STDA
10:23	MA39225-STD4	1		STDB1
10:26	MA39225-STD5	1		STDB
10:30	MA39225-STD6	1		STDC
10:33	MA39225-STD7	1		STDD
10:36	MA39225-STD8	1		STDE
10:39	MA39225-STD9	1		STDF
10:43	MA39225-STD10	1		STDG
10:46	MA39225-STD11	1		STDH
10:49	MA39225-STD12	1		STDI
10:53	MA39225-STD13	1		STDJ
11:02	ZZZZZZ	1		
11:06	MA39225-ICVA1	1		
11:09	MA39225-ICV1	1		60ppb Al.
11:12	MA39225-ICB1	1		
11:16	MA39225-CRI1	1		
11:19	MA39225-CRIA1	1		0.3ppb Be, 1ppb As and Se
11:22	MA39225-CCVA1	1		
11:26	MA39225-CCB1	1		
11:29	MP93240-MB1	1		
11:32	MP93240-B1	1		
11:35	MP93240-S1	1		To reanalysis, FB used as QC
11:39	MP93240-S2	1		To reanalysis, FB used as QC
11:42	JC18558-2	1		(sample used for QC only; not part of login JC18607)
11:45	ZZZZZZ	1		
11:49	ZZZZZZ	1		
11:52	ZZZZZZ	1		
11:55	MA39225-CCVA2	1		
11:59	MA39225-CCB2	1		
12:03	ZZZZZZ	1		
12:06	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC18607
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39225
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:10	MP93240-B1	2		Ag
12:13	MP93240-S1	2		Not needed
12:16	MP93240-S2	2		Not needed
12:20	MP93240-S1	1		Ag
12:24	MA39225-CCVA3	1		
12:27	MA39225-CCB3	1		
12:30	MP93239-MB1	1		
12:34	MP93239-B1	1		
12:37	MP93239-S1	1		
12:40	MP93239-S2	1		
12:44	ZZZZZZ	1		
12:47	JC18578-1	1		(sample used for QC only; not part of login JC18607)
12:50	ZZZZZZ	1		
12:54	ZZZZZZ	1		
12:57	ZZZZZZ	1		
13:00	MA39225-CCVA4	1		
13:04	MA39225-CCB4	1		
13:07	ZZZZZZ	1		
13:11	JC18607-1	1		Confirmed in MA39235
13:14	JC18607-2	1		Confirmed in MA39235
---------->	Last reportable sample/prep for job JC18607			
13:17	ZZZZZZ	1		
13:21	ZZZZZZ	1		
13:24	MA39225-CCVA5	1		
13:28	MA39225-CCB5	1		
---------->	Last reportable CCB for job JC18607			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JC18607
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39225
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
10:13	MA39225-STD1	100	100	100	100	100	100	100	100
10:17	MA39225-STD2	100	100	100	100	100	100	100	100
10:20	MA39225-STD3	100	100	100	100	100	100	100	100
10:23	MA39225-STD4	97.136	100.109	99.561	99.894	98.21	99.583	100.206	100.63
10:26	MA39225-STD5	101.693	100.647	101.766	100.965	99.612	100.872	101.65	102.393
10:30	MA39225-STD6	98.284	99.834	101.03	100.644	100.017	100.176	100.852	101.396
10:33	MA39225-STD7	98.599	99.974	100.638	100.73	99.689	99.619	100.899	101.788
10:36	MA39225-STD8	97.958	99.632	100.451	100.08	99.249	100.486	101.413	101.361
10:39	MA39225-STD9	99.138	98.591	99.784	101.28	98.602	99.536	100.539	101.681
10:43	MA39225-STD10	98.083	100.336	100.348	100.016	99.373	100.65	100.264	101.467
10:46	MA39225-STD11	99.312	99.829	100.302	100.779	98.827	100.791	101.614	102.107
10:49	MA39225-STD12	96.135	98.643	99.745	99.27	96.553	98.533	100.237	101.613
10:53	MA39225-STD13	96.667	99.986	101.866	99.976	96.577	99.371	101.404	102.498
11:02	ZZZZZZ	101.15	102.874	102.6	103.465	101.676	101.813	101.364	101.571
11:06	MA39225-ICVA1	99.621	100.65	102.413	102.603	98.268	100.467	101.872	103.022
11:09	MA39225-ICV1	99.284	100.065	100.578	100.934	99.631	100.382	100.699	101.331
11:12	MA39225-ICB1	101.772	101.299	101.574	102.309	100.269	101.212	100.726	101.775
11:16	MA39225-CRI1	103.191	101.487	101.802	102.612	100.562	101.989	102.189	102.51
11:19	MA39225-CRIA1	102.388	100.791	101.076	101.311	101.02	101.674	100.868	101.758
11:22	MA39225-CCVA1	105.243	102.025	102.666	101.204	98.976	100.591	102.794	103.722
11:26	MA39225-CCB1	104.41	100.998	100.111	100.443	100.072	101.211	100.949	102.177
11:29	MP93240-MB1	103.833	102.082	101.447	101.798	100.626	101.429	101.543	102.27
11:32	MP93240-B1	105.038	101.973	101.762	102.449	99.762	101.323	101.722	103.105
11:35	MP93240-S1	No results reported for the elements associated with this internal standard.							
11:39	MP93240-S2	No results reported for the elements associated with this internal standard.							
11:42	JC18558-2	122.105	103.478	102.754	104.284	102.779	103.229	103.53	105.186
11:45	ZZZZZZ	118.515	102.114	102.017	102.763	96.27	101.457	102.957	104.124
11:49	ZZZZZZ	120.827	102.137	102.434	102.788	96.758	101.583	103.919	106.015
11:52	ZZZZZZ	126.237	!a102.526	102.168	102.932	99.78	104.033	105.656	107.127
11:55	MA39225-CCVA2	110.891	100.431	100.322	100.636	96.85	98.51	101.64	102.81
11:59	MA39225-CCB2	110.071	100.531	99.881	99.991	99.176	99.896	99.77	101.414
12:03	ZZZZZZ	117.916	101.317	100.808	101.629	95.472	99.812	101.712	103.33
12:06	ZZZZZZ	121.735	102.325	101.834	102.631	97.801	102.345	104.783	105.508

INTERNAL STANDARD SUMMARY

Login Number: JC18607
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39225
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
12:10	MP93240-B1	108.892	98.815	98.794	99.089	97.406	98.312	98.688	99.524
12:13	MP93240-S1	No results reported for the elements associated with this internal standard.							
12:16	MP93240-S2	No results reported for the elements associated with this internal standard.							
12:20	MP93240-S1	No results reported for the elements associated with this internal standard.							
12:24	MA39225-CCVA3	109.476	97.422	97.657	97.844	94.868	97.472	99.595	100.945
12:27	MA39225-CCB3	106.052	97.307	96.198	96.016	96.516	96.739	97.65	99.734
12:30	MP93239-MB1	107.104	96.636	95.749	95.961	96.2	96.985	97.427	98.175
12:34	MP93239-B1	105.706	97.314	97.781	98.369	95.633	96.475	97.973	99.381
12:37	MP93239-S1	118.238	99.873	99.742	100.837	96.453	99.346	101.996	103.612
12:40	MP93239-S2	117.812	96.894	97.211	98.43	93.906	97.311	100.812	102.342
12:44	ZZZZZZ	110.394	95.257	95.335	96.402	95.165	96.771	97.271	98.386
12:47	JC18578-1	117.767	98.111	97.517	99.116	94.084	96.427	99.447	101.276
12:50	ZZZZZZ	120.903	98.03	98.046	98.192	94.212	98.739	100.707	102.592
12:54	ZZZZZZ	121.069	97.952	98.449	98.978	94.767	98.714	101.634	103.838
12:57	ZZZZZZ	125.345	!a101.104	99.124	101.001	97.389	101.317	103.868	105.776
13:00	MA39225-CCVA4	111.684	95.019	95.504	95.068	93.41	95.257	98.603	100.406
13:04	MA39225-CCB4	108.561	95.146	93.067	94.484	93.779	95.648	95.668	96.727
13:07	ZZZZZZ	115.934	91.858	90.804	91.386	88.169	91.588	96.387	98.4
13:11	JC18607-1	126.404	!a98.252	99.178	99.658	97.116	100.844	103.898	106.355
13:14	JC18607-2	123.8	97.223	98.112	98.421	95.338	99.116	102.1	104.269
13:17	ZZZZZZ	122.23	98.942	98.354	99.57	95.146	98.735	103.358	104.843
13:21	ZZZZZZ	122.261	101.136	101.712	101.294	97.456	100.899	103.808	106.488
13:24	MA39225-CCVA5	112.678	99.422	100.03	99.454	97.33	99.18	103.883	104.777
13:28	MA39225-CCB5	108.781	98.619	99.215	99.4	98.215	98.274	99.497	101.455

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Lithium	60-125 %
Istd#2	Scandium	60-125 %
Istd#3	Germanium (72-1)	60-125 %
Istd#4	Germanium (74-1)	60-125 %
Istd#5	Rhodium	60-125 %
Istd#6	Indium	60-125 %
Istd#7	Terbium	60-125 %
Istd#8	Holmium	60-125 %

(a) No samples reported for the elements associated with this internal standard.

INTERNAL STANDARD SUMMARY

Login Number: JC18607
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39225
Parameters: Pb

Time	Sample Description	Istd#9
10:13	MA39225-STD1	100
10:17	MA39225-STD2	100
10:20	MA39225-STD3	100
10:23	MA39225-STD4	100.54
10:26	MA39225-STD5	101.62
10:30	MA39225-STD6	101.19
10:33	MA39225-STD7	102.137
10:36	MA39225-STD8	102.603
10:39	MA39225-STD9	102.713
10:43	MA39225-STD10	100.454
10:46	MA39225-STD11	101.155
10:49	MA39225-STD12	99.869
10:53	MA39225-STD13	99.487
11:02	ZZZZZZ	100.847
11:06	MA39225-ICVA1	102.055
11:09	MA39225-ICV1	101.34
11:12	MA39225-ICB1	101.642
11:16	MA39225-CRI1	102.242
11:19	MA39225-CRIA1	102.023
11:22	MA39225-CCVA1	101.517
11:26	MA39225-CCB1	102.023
11:29	MP93240-MB1	101.889
11:32	MP93240-B1	102.405
11:35	MP93240-S1	No results reported for the elements associated with this internal standard.
11:39	MP93240-S2	No results reported for the elements associated with this internal standard.
11:42	JC18558-2	105.996
11:45	ZZZZZZ	101.353
11:49	ZZZZZZ	103.168
11:52	ZZZZZZ	110.851
11:55	MA39225-CCVA2	101.56
11:59	MA39225-CCB2	101.351
12:03	ZZZZZZ	99.33
12:06	ZZZZZZ	101.898

INTERNAL STANDARD SUMMARY

Login Number: JC18607
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39225
Parameters: Pb

Time	Sample Description	Istd#9
12:10	MP93240-B1	101.109
12:13	MP93240-S1	No results reported for the elements associated with this internal standard.
12:16	MP93240-S2	No results reported for the elements associated with this internal standard.
12:20	MP93240-S1	No results reported for the elements associated with this internal standard.
12:24	MA39225-CCVA3	99.488
12:27	MA39225-CCB3	99.198
12:30	MP93239-MB1	98.782
12:34	MP93239-B1	100.245
12:37	MP93239-S1	101.457
12:40	MP93239-S2	100.752
12:44	ZZZZZZ	98.931
12:47	JC18578-1	99.818
12:50	ZZZZZZ	101.232
12:54	ZZZZZZ	102.381
12:57	ZZZZZZ	104.805
13:00	MA39225-CCVA4	100.809
13:04	MA39225-CCB4	97.436
13:07	ZZZZZZ	98.517
13:11	JC18607-1	105.093
13:14	JC18607-2	103.696
13:17	ZZZZZZ	102.479
13:21	ZZZZZZ	103.51
13:24	MA39225-CCVA5	103.826
13:28	MA39225-CCB5	102.352

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#9	Bismuth	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC18607
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA39225 Units: ug/l

Time:			11:12		11:26		11:59		12:27	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	50	.1								
Antimony	2.0	.12	anr							
Arsenic	1.0	.38	anr							
Barium	1.0	.011								
Beryllium	0.30	.004	anr							
Boron	50	3.2								
Cadmium	0.50	.008	anr							
Calcium	250	2.7								
Chromium	4.0	.019								
Cobalt	0.50	.003								
Copper	4.0	.02								
Iron	50	1.1								
Lead	0.50	.009	0.0059	<0.50	0.018	<0.50	0.027	<0.50	0.042	<0.50
Magnesium	250	.17								
Manganese	1.0	.019								
Molybdenum	1.0	.02								
Nickel	4.0	.028								
Potassium	250	2								
Selenium	1.0	.29	anr							
Silver	2.0	.019	anr							
Sodium	250	3.9								
Strontium	1.0	.009								
Thallium	0.50	.016	anr							
Tin	1.0	.039								
Titanium	1.0	.034								
Vanadium	4.0	.11								
Zinc	10	.29								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC18607
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA39225 Units: ug/l

Time: / Sample ID:			13:04 CCB4		13:28 CCB5	
Metal	RL	IDL	raw	final	raw	final
Aluminum	50	.1				
Antimony	2.0	.12	anr			
Arsenic	1.0	.38	anr			
Barium	1.0	.011				
Beryllium	0.30	.004	anr			
Boron	50	3.2				
Cadmium	0.50	.008	anr			
Calcium	250	2.7				
Chromium	4.0	.019				
Cobalt	0.50	.003				
Copper	4.0	.02				
Iron	50	1.1				
Lead	0.50	.009	0.036	<0.50	0.037	<0.50
Magnesium	250	.17				
Manganese	1.0	.019				
Molybdenum	1.0	.02				
Nickel	4.0	.028				
Potassium	250	2				
Selenium	1.0	.29	anr			
Silver	2.0	.019	anr			
Sodium	250	3.9				
Strontium	1.0	.009				
Thallium	0.50	.016	anr			
Tin	1.0	.039				
Titanium	1.0	.034				
Vanadium	4.0	.11				
Zinc	10	.29				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC18607
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39225 Units: ug/l

Time:		11:06			11:09			11:22	
Sample ID:	ICVA	ICVA1		ICV	ICV1		CCVA	CCVA1	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	60	57.8	96.3				50	50.6	101.2
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC18607
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39225 Units: ug/l

Time:		11:55			12:24			13:00	
Sample ID:	CCVA	CCVA2		CCVA	CCVA3		CCVA	CCVA4	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	50	47.6	95.2	50	47.7	95.4	50	47.2	94.4
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC18607
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39225 Units: ug/l

Time:		13:24	
Sample ID:	CCVA	CCVA5	
Metal	True	Results	% Rec
Aluminum			
Antimony	anr		
Arsenic	anr		
Barium			
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	50	47.5	95.0
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JC18607
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
QC Limits: 70 to 130 % Recovery Run ID: MA39225 Units: ug/l

Time:			11:16		11:19	
Sample ID:	CRI	CRIA	CRI1		CRIA1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	25	25				
Antimony	2.0	0.25	anr			
Arsenic	0.50	1.0				
Barium	1.0	0.50				
Beryllium	0.50	0.30	anr			
Boron	25	2.5				
Cadmium	0.50	0.25	anr			
Calcium	250	125				
Chromium	1.0	2.0				
Cobalt	0.50	0.25				
Copper	2.0	2.0				
Iron	25	25				
Lead	0.50	0.25	0.50	100.0		
Magnesium	250	125				
Manganese	0.50	0.25				
Molybdenum	1.0	0.50				
Nickel	1.0	2.0				
Potassium	250	125				
Selenium	0.50	1.0	anr			
Silver	0.50	1.0	anr			
Sodium	250	125				
Strontium	5.0	0.50				
Thallium	0.50	0.25	anr			
Tin	5.0	0.50				
Titanium	1.0	0.50				
Vanadium	1.0	2.0				
Zinc	5.0	2.0				

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC18607
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

QC Batch ID: MP93239 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/20/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	0.050	.0001	.00074		
Antimony	0.0020	.00012	.00021		
Arsenic	0.0010	.00038	.00081		
Barium	0.0010	.000011	.000044		
Beryllium	0.00030	.000004	.000079		
Boron	0.050	.0032			
Cadmium	0.00050	.000008	.000041		
Calcium	0.25	.0027	.0075		
Chromium	0.0040	.000019	.00018		
Cobalt	0.00050	.000003	.000014		
Copper	0.0040	.00002	.0012		
Iron	0.050	.0011	.009		
Lead	0.00050	.000009	.000018	0.000033	<0.00050
Magnesium	0.25	.00017	.00051		
Manganese	0.0010	.000019	.00006		
Molybdenum	0.0010	.00002	.000059		
Nickel	0.0040	.000028	.00023		
Potassium	0.25	.002	.015		
Selenium	0.0010	.00029	.00051		
Silver	0.0020	.000019	.000022		
Sodium	0.25	.0039	.015		
Strontium	0.0010	.000009	.000014		
Thallium	0.00050	.000016	.0001		
Tin	0.0010	.000039	.000043		
Titanium	0.0010	.000034	.00038		
Vanadium	0.0040	.00011	.00082		
Zinc	0.010	.00029	.00061		

Associated samples MP93239: JC18607-1, JC18607-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC18607
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

QC Batch ID: MP93239 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/20/16

Metal	JC18578-1 Original	MS	Spikelot MPXDW7	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead	0.015	0.11	0.10	95.0	70-130
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP93239: JC18607-1, JC18607-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC18607
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

QC Batch ID: MP93239 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/20/16

Metal	JC18578-1 Original	MSD	Spikelot MPXDW7	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	0.015	0.11	0.10	95.0	0.0	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP93239: JC18607-1, JC18607-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC18607
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

QC Batch ID: MP93239
Matrix Type: DRINKING WATER

Methods: EPA 200.8
Units: mg/l

Prep Date: 04/20/16

Metal	BSP Result	Spikelot MPXDW7	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	0.092	0.10	92.0	85-115
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP93239: JC18607-1, JC18607-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

APPENDIX C
LABORATORY ANALYTICAL REPORT – 4/30/16

e-Hardcopy 2.0
Automated Report

Technical Report for

PARS Environmental Services

WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

565-84

SGS Accutest Job Number: JC19412

Sampling Date: 04/30/16

Report to:

PARS Environmental, Inc.
500 Horizon Drive Suite 540
Robbinsville, NJ 08691
RTorres@ParsEnviro.com

ATTN: Rafael Torres

Total number of pages in report: **90**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

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Sample Summary

PARS Environmental Services

Job No: JC19412

WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ
Project No: 565-84

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC19412-1	04/30/16	07:17	JP	04/30/16	DW	Drinking Water	MHE-01-163-DW-B
JC19412-2	04/30/16	07:20	JP	04/30/16	DW	Drinking Water	MHE-01-164-DW-P
JC19412-3	04/30/16	07:24	JP	04/30/16	DW	Drinking Water	MHE-01-165-DW-P
JC19412-4	04/30/16	07:24	JP	04/30/16	DW	Drinking Water	MHE-01-165-CF-P
JC19412-5	04/30/16	07:26	JP	04/30/16	DW	Drinking Water	MHE-01-166-DW-P
JC19412-6	04/30/16	07:23	JP	04/30/16	DW	Drinking Water	MHE-01-167-CF-P
JC19412-7	04/30/16	07:33	JP	04/30/16	DW	Drinking Water	MHE-01-168-DW-P
JC19412-8	04/30/16	07:11	JP	04/30/16	DW	Drinking Water	MHE-01-01-DW-P
JC19412-9	04/30/16	07:39	JP	04/30/16	DW	Drinking Water	MHE-01-169-DW-P
JC19412-10	04/30/16	07:05	JP	04/30/16	DW	Drinking Water	MHE-01-202-DW-P
JC19412-11	04/30/16	07:08	JP	04/30/16	DW	Drinking Water	MHE-01-216-DW-P
JC19412-12	04/30/16	07:44	JP	04/30/16	DW	Drinking Water	MHE-01-160-DW-P
JC19412-13	04/30/16	07:40	JP	04/30/16	DW	Drinking Water	MHE-01-170-DW-B

Sample Summary
(continued)

PARS Environmental Services

Job No: JC19412

WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ
Project No: 565-84

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC19412-14	04/30/16	07:42	JP	04/30/16	DW	Drinking Water	MHE-01-162-DW-P

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	PARS Environmental Services	**Job No**	JC19412
Site:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Win	**Report Date**	5/9/2016 1:47:31 PM

On 04/30/2016, 14 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 14.4 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JC19412 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

Metals By Method EPA 200.8

Matrix: DW **Batch ID:** MP93360

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC18908-1MS, JC18908-1MSD were used as the QC samples for metals.

Matrix: DW **Batch ID:** MP93459

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC19412-1MS, JC19412-1MSD were used as the QC samples for metals.

Matrix: DW **Batch ID:** MP93460

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC19412-12MS, JC19412-12MSD were used as the QC samples for metals.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JC19412
Account: PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ
Collected: 04/30/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC19412-1	**MHE-01-163-DW-B**					
Lead		0.0069	0.00050		mg/l	EPA 200.8
JC19412-2	**MHE-01-164-DW-P**					
Lead		0.017	0.00050		mg/l	EPA 200.8
JC19412-3	**MHE-01-165-DW-P**					
Lead		0.32	0.00050		mg/l	EPA 200.8
JC19412-4	**MHE-01-165-CF-P**					
Lead		0.18	0.00050		mg/l	EPA 200.8
JC19412-5	**MHE-01-166-DW-P**					
Lead		0.074	0.00050		mg/l	EPA 200.8
JC19412-6	**MHE-01-167-CF-P**					
Lead		0.54	0.0010		mg/l	EPA 200.8
JC19412-7	**MHE-01-168-DW-P**					
Lead		0.0066	0.00050		mg/l	EPA 200.8
JC19412-8	**MHE-01-01-DW-P**					
Lead		0.0025	0.00050		mg/l	EPA 200.8
JC19412-9	**MHE-01-169-DW-P**					
Lead		0.0069	0.00050		mg/l	EPA 200.8
JC19412-10	**MHE-01-202-DW-P**					
Lead		0.0010	0.00050		mg/l	EPA 200.8
JC19412-11	**MHE-01-216-DW-P**					
Lead		0.0066	0.00050		mg/l	EPA 200.8

Summary of Hits

Job Number: JC19412
Account: PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ
Collected: 04/30/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC19412-12	**MHE-01-160-DW-P**					
Lead		0.0045	0.00050		mg/l	EPA 200.8
JC19412-13	**MHE-01-170-DW-B**					
Lead		0.027	0.00050		mg/l	EPA 200.8
JC19412-14	**MHE-01-162-DW-P**					
Lead		0.0037	0.00050		mg/l	EPA 200.8

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MHE-01-163-DW-B		
Lab Sample ID:	JC19412-1	**Date Sampled:**	04/30/16
Matrix:	DW - Drinking Water	**Date Received:**	04/30/16
		Percent Solids:	n/a
Project:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0069	0.015	0.00050	mg/l	1	05/02/16	05/02/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39312
(2) Prep QC Batch: MP93459

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-164-DW-P		
Lab Sample ID:	JC19412-2	**Date Sampled:**	04/30/16
Matrix:	DW - Drinking Water	**Date Received:**	04/30/16
		Percent Solids:	n/a
Project:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.017	0.015	0.00050	mg/l	1	05/02/16	05/02/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39312
(2) Prep QC Batch: MP93459

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-165-DW-P		
Lab Sample ID:	JC19412-3	**Date Sampled:**	04/30/16
Matrix:	DW - Drinking Water	**Date Received:**	04/30/16
		Percent Solids:	n/a
Project:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.32	0.015	0.00050	mg/l	1	05/02/16	05/02/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39312
(2) Prep QC Batch: MP93459

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-165-CF-P		
Lab Sample ID:	JC19412-4	**Date Sampled:**	04/30/16
Matrix:	DW - Drinking Water	**Date Received:**	04/30/16
		Percent Solids:	n/a
Project:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.18	0.015	0.00050	mg/l	1	05/03/16	05/04/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39328
(2) Prep QC Batch: MP93360

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-166-DW-P		
Lab Sample ID:	JC19412-5	**Date Sampled:**	04/30/16
Matrix:	DW - Drinking Water	**Date Received:**	04/30/16
		Percent Solids:	n/a
Project:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.074	0.015	0.00050	mg/l	1	05/03/16	05/04/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39328
(2) Prep QC Batch: MP93360

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-167-CF-P		
Lab Sample ID:	JC19412-6	**Date Sampled:**	04/30/16
Matrix:	DW - Drinking Water	**Date Received:**	04/30/16
		Percent Solids:	n/a
Project:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.54	0.015	0.0010	mg/l	2	05/02/16	05/02/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39312
(2) Prep QC Batch: MP93459

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-168-DW-P		
Lab Sample ID:	JC19412-7	**Date Sampled:**	04/30/16
Matrix:	DW - Drinking Water	**Date Received:**	04/30/16
		Percent Solids:	n/a
Project:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0066	0.015	0.00050	mg/l	1	05/02/16	05/02/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39312
(2) Prep QC Batch: MP93459

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-01-DW-P		
Lab Sample ID:	JC19412-8	**Date Sampled:**	04/30/16
Matrix:	DW - Drinking Water	**Date Received:**	04/30/16
		Percent Solids:	n/a
Project:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0025	0.015	0.00050	mg/l	1	05/02/16	05/02/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39312
(2) Prep QC Batch: MP93459

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-169-DW-P		
Lab Sample ID:	JC19412-9	**Date Sampled:**	04/30/16
Matrix:	DW - Drinking Water	**Date Received:**	04/30/16
		Percent Solids:	n/a
Project:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0069	0.015	0.00050	mg/l	1	05/02/16	05/02/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39312
(2) Prep QC Batch: MP93459

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-202-DW-P		
Lab Sample ID:	JC19412-10	**Date Sampled:**	04/30/16
Matrix:	DW - Drinking Water	**Date Received:**	04/30/16
		Percent Solids:	n/a
Project:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0010	0.015	0.00050	mg/l	1	05/02/16	05/02/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39312
(2) Prep QC Batch: MP93459

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-216-DW-P		
Lab Sample ID:	JC19412-11	**Date Sampled:**	04/30/16
Matrix:	DW - Drinking Water	**Date Received:**	04/30/16
		Percent Solids:	n/a
Project:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0066	0.015	0.00050	mg/l	1	05/02/16	05/02/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39312
(2) Prep QC Batch: MP93460

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-160-DW-P		
Lab Sample ID:	JC19412-12	**Date Sampled:**	04/30/16
Matrix:	DW - Drinking Water	**Date Received:**	04/30/16
		Percent Solids:	n/a
Project:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0045	0.015	0.00050	mg/l	1	05/02/16	05/02/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39312
(2) Prep QC Batch: MP93460

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-170-DW-B		
Lab Sample ID:	JC19412-13	**Date Sampled:**	04/30/16
Matrix:	DW - Drinking Water	**Date Received:**	04/30/16
		Percent Solids:	n/a
Project:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.027	0.015	0.00050	mg/l	1	05/02/16	05/02/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39312
(2) Prep QC Batch: MP93460

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	MHE-01-162-DW-P		
Lab Sample ID:	JC19412-14	**Date Sampled:**	04/30/16
Matrix:	DW - Drinking Water	**Date Received:**	04/30/16
		Percent Solids:	n/a
Project:	WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0037	0.015	0.00050	mg/l	1	05/02/16	05/02/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39312
(2) Prep QC Batch: MP93460

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

DW

SGS ACCUTEST

CHAIN OF CUSTODY

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

PAGE 1 OF 2

FED-EX Tracking #
Bottle Order Control #
SGS Accutest Quote #
SGS Accutest Job # JC19412

Client / Reporting Information

Company Name: PARS Environmental
Street Address: 500 Horizon Dr Suite
City State Zip: Robbinsville NJ 08691
Project Contact: Rafael Torres
E-mail: RTorres@parsenvirn.com
Phone #: 609-890-7277
Fax #:
Sampler(s) Name(s): J Perrini
Phone #:

Project Information

Project Name: WWP Maurice Hawk ES
Street: 540
City / State:
Project #:
Client Purchase Order #:
Project Manager: Rafael Torres

Billing Information (if different from Report to)
Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis (see TEST CODE sheet): DW-Pb-200.8

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL- Sludge, SED-Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB-Field Blank, EB-Equipment Blank, RB- Rinse Blank, TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	DW-Pb-200.8	LAB USE ONLY
1	MHE-01-163-DW-B		4/30/16	7:17						X							
2	MHE-01-164-DW-P			7:20													
3	MHE-01-165-DW-P			7:24													A22
4	MHE-01-165-CF-P			7:24													
5	MHE-01 166-DW-P			7:26													
6	MHE-01-167-CF-P			7:23													
7	MHE-01-168-DW-P			7:33													
8	MHE-01-01-DW-P			7:11													
9	MHE-01-169-DW-P			7:39													
10	MHE-01 202-DW-P			7:05													
11	MHE-01-216-DW-P			7:08													
12	MHE-01-160-DW-P			7:44													

SAMPLES RECEIVED OUTSIDE OF ACCEPTABLE TEMPERATURE RANGE. INITIALS REQUIRED TO PROCEED WITH ANALYSIS Af

INITIAL ASSESSMENT 3B JK

LABEL VERIFICATION JK

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [x] 2 Day RUSH
- [ ] 1 Day RUSH
- [ ] other

Approved By (SGS Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 J Perrini	4/30/16 08:34	1 Jeanne Kruz	2		2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4 4/30/16 JK
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Intact / Not intact; Preserved where applicable ☑ JK; On Ice ☒ No ice.	Cooler Temp. 14.0 °C IR

JC19412: Chain of Custody
Page 1 of 3

DW

CHAIN OF CUSTODY

PAGE 2 OF 2

SGS ACCUTEST

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: JC19412

Client / Reporting Information

Company Name: PARSC Environmental
Street Address: 500 Horizon Dr suite 540
City / State / Zip: Robbinsville NJ 08691
Project Contact: Rafael Torres | E-mail: RTorres@parsenviro.com
Phone #: 609-890-7277 | Fax #:
Sampler(s) Name(s): J Perrini | Phone #:

Project Information

Project Name: WWP-Maurice Hunt ES
Street:
City / State:
Project #:
Client Purchase Order #:
Project Manager: Rafael Torres

Billing Information (if different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

DW-Pb 200.8

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
13	MHE-01-170-DW-B		4/30/16	7:40						X						
14	MHE-01-162-DW-P			7:42						X						

Turnaround Time (Business days)

Approved By (SGS Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [x] 2 Day RUSH
- [ ] 1 Day RUSH
- [ ] other

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 J Perrini	4/30/16	08:34 James Hunter	2		2
3		3	4		4
5		5	Custody Seal #	☐ Intact ☐ Not intact	Preserved where applicable ☐ On Ice ☐ Cooler Temp.

JC19412: Chain of Custody
Page 2 of 3

SGS Accutest Sample Receipt Summary

Job Number: JC19412 **Client:** _____ **Project:** _____

Date / Time Received: 4/30/2016 8:34:00 AM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (14.0);

Cooler Temps (Corrected) °C: Cooler 1: (14.4);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	No Ice		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Internal Sample Tracking Chronicle

PARS Environmental Services

Job No: JC19412

WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ
Project No: 565-84

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC19412-1 Collected: 30-APR-16 07:17 By: JP MHE-01-163-DW-B				Received: 30-APR-16	By: DG	
JC19412-1	EPA 200.8	02-MAY-16 13:46	JO	02-MAY-16	JO	PBMS
JC19412-2 Collected: 30-APR-16 07:20 By: JP MHE-01-164-DW-P				Received: 30-APR-16	By: DG	
JC19412-2	EPA 200.8	02-MAY-16 13:49	JO	02-MAY-16	JO	PBMS
JC19412-3 Collected: 30-APR-16 07:24 By: JP MHE-01-165-DW-P				Received: 30-APR-16	By: DG	
JC19412-3	EPA 200.8	02-MAY-16 13:53	JO	02-MAY-16	JO	PBMS
JC19412-4 Collected: 30-APR-16 07:24 By: JP MHE-01-165-CF-P				Received: 30-APR-16	By: DG	
JC19412-4	EPA 200.8	04-MAY-16 10:56	JO	03-MAY-16	JA	PBMS
JC19412-5 Collected: 30-APR-16 07:26 By: JP MHE-01-166-DW-P				Received: 30-APR-16	By: DG	
JC19412-5	EPA 200.8	04-MAY-16 11:00	JO	03-MAY-16	JA	PBMS
JC19412-6 Collected: 30-APR-16 07:23 By: JP MHE-01-167-CF-P				Received: 30-APR-16	By: DG	
JC19412-6	EPA 200.8	02-MAY-16 15:13	JO	02-MAY-16	JO	PBMS
JC19412-7 Collected: 30-APR-16 07:33 By: JP MHE-01-168-DW-P				Received: 30-APR-16	By: DG	
JC19412-7	EPA 200.8	02-MAY-16 14:13	JO	02-MAY-16	JO	PBMS
JC19412-8 Collected: 30-APR-16 07:11 By: JP MHE-01-01-DW-P				Received: 30-APR-16	By: DG	
JC19412-8	EPA 200.8	02-MAY-16 14:16	JO	02-MAY-16	JO	PBMS

Internal Sample Tracking Chronicle

PARS Environmental Services

Job No: JC19412

WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ
Project No: 565-84

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC19412-9	Collected: 30-APR-16 07:39 By: JP			Received: 30-APR-16	By: DG	
MHE-01-169-DW-P						
JC19412-9	EPA 200.8	02-MAY-16 14:20	JO	02-MAY-16	JO	PBMS
JC19412-10	Collected: 30-APR-16 07:05 By: JP			Received: 30-APR-16	By: DG	
MHE-01-202-DW-P						
JC19412-10	EPA 200.8	02-MAY-16 14:23	JO	02-MAY-16	JO	PBMS
JC19412-11	Collected: 30-APR-16 07:08 By: JP			Received: 30-APR-16	By: DG	
MHE-01-216-DW-P						
JC19412-11	EPA 200.8	02-MAY-16 15:23	JO	02-MAY-16	JO	PBMS
JC19412-12	Collected: 30-APR-16 07:44 By: JP			Received: 30-APR-16	By: DG	
MHE-01-160-DW-P						
JC19412-12	EPA 200.8	02-MAY-16 15:03	JO	02-MAY-16	JO	PBMS
JC19412-13	Collected: 30-APR-16 07:40 By: JP			Received: 30-APR-16	By: DG	
MHE-01-170-DW-B						
JC19412-13	EPA 200.8	02-MAY-16 15:06	JO	02-MAY-16	JO	PBMS
JC19412-14	Collected: 30-APR-16 07:42 By: JP			Received: 30-APR-16	By: DG	
MHE-01-162-DW-P						
JC19412-14	EPA 200.8	02-MAY-16 15:10	JO	02-MAY-16	JO	PBMS

SGS Accutest Internal Chain of Custody

Job Number: JC19412
Account: PARS PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ
Received: 04/30/16

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC19412-1.1	Secured Storage	Dwayne Johnson	05/02/16 09:25	Retrieve from Storage
JC19412-1.1	Dwayne Johnson	Secured Staging Area	05/02/16 09:25	Return to Storage
JC19412-1.1	Secured Staging Area	Jaclyn O'Connor	05/02/16 09:28	Retrieve from Storage
JC19412-1.1	Jaclyn O'Connor	Secured Storage	05/02/16 13:10	Return to Storage
JC19412-1.1	Secured Storage	Dwayne Johnson	05/02/16 13:18	Retrieve from Storage
JC19412-1.1	Dwayne Johnson	Secured Staging Area	05/02/16 13:19	Return to Storage
JC19412-1.1	Secured Staging Area	Lucas Schneider	05/02/16 15:32	Retrieve from Storage
JC19412-1.1	Lucas Schneider	Secured Storage	05/02/16 23:00	Return to Storage
JC19412-2.1	Secured Storage	Dwayne Johnson	05/02/16 09:25	Retrieve from Storage
JC19412-2.1	Dwayne Johnson	Secured Staging Area	05/02/16 09:25	Return to Storage
JC19412-2.1	Secured Staging Area	Jaclyn O'Connor	05/02/16 09:28	Retrieve from Storage
JC19412-2.1	Jaclyn O'Connor	Secured Storage	05/02/16 13:10	Return to Storage
JC19412-2.1	Secured Storage	Dwayne Johnson	05/02/16 13:18	Retrieve from Storage
JC19412-2.1	Dwayne Johnson	Secured Staging Area	05/02/16 13:19	Return to Storage
JC19412-2.1	Secured Staging Area	Lucas Schneider	05/02/16 15:32	Retrieve from Storage
JC19412-2.1	Lucas Schneider	Secured Storage	05/02/16 23:00	Return to Storage
JC19412-3.1	Secured Storage	Dwayne Johnson	05/02/16 09:25	Retrieve from Storage
JC19412-3.1	Dwayne Johnson	Secured Staging Area	05/02/16 09:25	Return to Storage
JC19412-3.1	Secured Staging Area	Jaclyn O'Connor	05/02/16 09:28	Retrieve from Storage
JC19412-3.1	Jaclyn O'Connor	Secured Storage	05/02/16 13:10	Return to Storage
JC19412-3.1	Secured Storage	Dwayne Johnson	05/02/16 13:18	Retrieve from Storage
JC19412-3.1	Dwayne Johnson	Secured Staging Area	05/02/16 13:19	Return to Storage
JC19412-3.1	Secured Staging Area	Lucas Schneider	05/02/16 15:32	Retrieve from Storage
JC19412-3.1	Lucas Schneider	Secured Storage	05/02/16 23:00	Return to Storage
JC19412-4.1	Secured Storage	Dwayne Johnson	05/02/16 09:25	Retrieve from Storage
JC19412-4.1	Dwayne Johnson	Secured Staging Area	05/02/16 09:25	Return to Storage
JC19412-4.1	Secured Staging Area	Jaclyn O'Connor	05/02/16 09:28	Retrieve from Storage
JC19412-4.1	Jaclyn O'Connor	Secured Storage	05/02/16 13:10	Return to Storage
JC19412-4.1	Secured Storage	Dwayne Johnson	05/02/16 13:18	Retrieve from Storage
JC19412-4.1	Dwayne Johnson	Secured Staging Area	05/02/16 13:19	Return to Storage
JC19412-4.1	Secured Staging Area	Lucas Schneider	05/02/16 15:32	Retrieve from Storage
JC19412-4.1	Lucas Schneider	Secured Storage	05/02/16 23:00	Return to Storage
JC19412-4.1	Secured Storage	Todd Shoemaker	05/03/16 08:46	Retrieve from Storage
JC19412-4.1	Todd Shoemaker	Jessica Adametz	05/03/16 08:48	Custody Transfer
JC19412-4.1	Jessica Adametz	Secured Storage	05/03/16 09:56	Return to Storage
JC19412-4.1.1	Jessica Adametz	Metals Digestion	05/03/16 08:58	Digestate from JC19412-4.1
JC19412-4.1.1	Metals Digestion	Jessica Adametz	05/03/16 09:01	Digestate from JC19412-4.1
JC19412-4.1.1	Jessica Adametz	Metals Digestate Storage	05/03/16 09:01	Return to Storage
JC19412-5.1	Secured Storage	Dwayne Johnson	05/02/16 09:25	Retrieve from Storage

SGS Accutest Internal Chain of Custody

Job Number: JC19412
Account: PARS PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ
Received: 04/30/16

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC19412-5.1	Dwayne Johnson	Secured Staging Area	05/02/16 09:25	Return to Storage
JC19412-5.1	Secured Staging Area	Jaclyn O'Connor	05/02/16 09:28	Retrieve from Storage
JC19412-5.1	Jaclyn O'Connor	Secured Storage	05/02/16 13:10	Return to Storage
JC19412-5.1	Secured Storage	Dwayne Johnson	05/02/16 13:18	Retrieve from Storage
JC19412-5.1	Dwayne Johnson	Secured Staging Area	05/02/16 13:19	Return to Storage
JC19412-5.1	Secured Staging Area	Lucas Schneider	05/02/16 15:32	Retrieve from Storage
JC19412-5.1	Lucas Schneider	Secured Storage	05/02/16 23:00	Return to Storage
JC19412-5.1	Secured Storage	Todd Shoemaker	05/03/16 08:46	Retrieve from Storage
JC19412-5.1	Todd Shoemaker	Jessica Adametz	05/03/16 08:48	Custody Transfer
JC19412-5.1	Jessica Adametz	Secured Storage	05/03/16 09:56	Return to Storage
JC19412-5.1.1	Jessica Adametz	Metals Digestion	05/03/16 08:58	Digestate from JC19412-5.1
JC19412-5.1.1	Metals Digestion	Jessica Adametz	05/03/16 09:01	Digestate from JC19412-5.1
JC19412-5.1.1	Jessica Adametz	Metals Digestate Storage	05/03/16 09:01	Return to Storage
JC19412-6.1	Secured Storage	Dwayne Johnson	05/02/16 09:25	Retrieve from Storage
JC19412-6.1	Dwayne Johnson	Secured Staging Area	05/02/16 09:25	Return to Storage
JC19412-6.1	Secured Staging Area	Jaclyn O'Connor	05/02/16 09:28	Retrieve from Storage
JC19412-6.1	Jaclyn O'Connor	Secured Storage	05/02/16 13:10	Return to Storage
JC19412-6.1	Secured Storage	Dwayne Johnson	05/02/16 13:18	Retrieve from Storage
JC19412-6.1	Dwayne Johnson	Secured Staging Area	05/02/16 13:19	Return to Storage
JC19412-6.1	Secured Staging Area	Lucas Schneider	05/02/16 15:32	Retrieve from Storage
JC19412-6.1	Lucas Schneider	Secured Storage	05/02/16 23:00	Return to Storage
JC19412-7.1	Secured Storage	Dwayne Johnson	05/02/16 09:25	Retrieve from Storage
JC19412-7.1	Dwayne Johnson	Secured Staging Area	05/02/16 09:25	Return to Storage
JC19412-7.1	Secured Staging Area	Jaclyn O'Connor	05/02/16 09:28	Retrieve from Storage
JC19412-7.1	Jaclyn O'Connor	Secured Storage	05/02/16 13:10	Return to Storage
JC19412-7.1	Secured Storage	Dwayne Johnson	05/02/16 13:18	Retrieve from Storage
JC19412-7.1	Dwayne Johnson	Secured Staging Area	05/02/16 13:19	Return to Storage
JC19412-7.1	Secured Staging Area	Lucas Schneider	05/02/16 15:32	Retrieve from Storage
JC19412-7.1	Lucas Schneider	Secured Storage	05/02/16 23:00	Return to Storage
JC19412-8.1	Secured Storage	Dwayne Johnson	05/02/16 09:25	Retrieve from Storage
JC19412-8.1	Dwayne Johnson	Secured Staging Area	05/02/16 09:25	Return to Storage
JC19412-8.1	Secured Staging Area	Jaclyn O'Connor	05/02/16 09:28	Retrieve from Storage
JC19412-8.1	Jaclyn O'Connor	Secured Storage	05/02/16 13:10	Return to Storage
JC19412-8.1	Secured Storage	Dwayne Johnson	05/02/16 13:18	Retrieve from Storage
JC19412-8.1	Dwayne Johnson	Secured Staging Area	05/02/16 13:19	Return to Storage
JC19412-8.1	Secured Staging Area	Lucas Schneider	05/02/16 15:32	Retrieve from Storage
JC19412-8.1	Lucas Schneider	Secured Storage	05/02/16 23:00	Return to Storage
JC19412-9.1	Secured Storage	Dwayne Johnson	05/02/16 09:25	Retrieve from Storage
JC19412-9.1	Dwayne Johnson	Secured Staging Area	05/02/16 09:25	Return to Storage

SGS Accutest Internal Chain of Custody

Job Number: JC19412
Account: PARS PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ
Received: 04/30/16

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC19412-9.1	Secured Staging Area	Jaclyn O'Connor	05/02/16 09:28	Retrieve from Storage
JC19412-9.1	Jaclyn O'Connor	Secured Storage	05/02/16 13:10	Return to Storage
JC19412-9.1	Secured Storage	Dwayne Johnson	05/02/16 13:18	Retrieve from Storage
JC19412-9.1	Dwayne Johnson	Secured Staging Area	05/02/16 13:19	Return to Storage
JC19412-9.1	Secured Staging Area	Lucas Schneider	05/02/16 15:32	Retrieve from Storage
JC19412-9.1	Lucas Schneider	Secured Storage	05/02/16 23:00	Return to Storage
JC19412-10.1	Secured Storage	Dwayne Johnson	05/02/16 09:25	Retrieve from Storage
JC19412-10.1	Dwayne Johnson	Secured Staging Area	05/02/16 09:25	Return to Storage
JC19412-10.1	Secured Staging Area	Jaclyn O'Connor	05/02/16 09:28	Retrieve from Storage
JC19412-10.1	Jaclyn O'Connor	Secured Storage	05/02/16 13:10	Return to Storage
JC19412-10.1	Secured Storage	Dwayne Johnson	05/02/16 13:18	Retrieve from Storage
JC19412-10.1	Dwayne Johnson	Secured Staging Area	05/02/16 13:19	Return to Storage
JC19412-10.1	Secured Staging Area	Lucas Schneider	05/02/16 15:32	Retrieve from Storage
JC19412-10.1	Lucas Schneider	Secured Storage	05/02/16 23:00	Return to Storage
JC19412-11.1	Secured Storage	Dwayne Johnson	05/02/16 09:25	Retrieve from Storage
JC19412-11.1	Dwayne Johnson	Secured Staging Area	05/02/16 09:25	Return to Storage
JC19412-11.1	Secured Staging Area	Jaclyn O'Connor	05/02/16 09:28	Retrieve from Storage
JC19412-11.1	Jaclyn O'Connor	Secured Storage	05/02/16 13:10	Return to Storage
JC19412-11.1	Secured Storage	Dwayne Johnson	05/02/16 13:18	Retrieve from Storage
JC19412-11.1	Dwayne Johnson	Secured Staging Area	05/02/16 13:19	Return to Storage
JC19412-11.1	Secured Staging Area	Lucas Schneider	05/02/16 15:32	Retrieve from Storage
JC19412-11.1	Lucas Schneider	Secured Storage	05/02/16 23:00	Return to Storage
JC19412-12.1	Secured Storage	Dwayne Johnson	05/02/16 09:25	Retrieve from Storage
JC19412-12.1	Dwayne Johnson	Secured Staging Area	05/02/16 09:25	Return to Storage
JC19412-12.1	Secured Staging Area	Jaclyn O'Connor	05/02/16 09:28	Retrieve from Storage
JC19412-12.1	Jaclyn O'Connor	Secured Storage	05/02/16 13:10	Return to Storage
JC19412-12.1	Secured Storage	Dwayne Johnson	05/02/16 13:18	Retrieve from Storage
JC19412-12.1	Dwayne Johnson	Secured Staging Area	05/02/16 13:19	Return to Storage
JC19412-12.1	Secured Staging Area	Lucas Schneider	05/02/16 15:32	Retrieve from Storage
JC19412-12.1	Lucas Schneider	Secured Storage	05/02/16 23:00	Return to Storage
JC19412-13.1	Secured Storage	Dwayne Johnson	05/02/16 09:25	Retrieve from Storage
JC19412-13.1	Dwayne Johnson	Secured Staging Area	05/02/16 09:25	Return to Storage
JC19412-13.1	Secured Staging Area	Jaclyn O'Connor	05/02/16 09:28	Retrieve from Storage
JC19412-13.1	Jaclyn O'Connor	Secured Storage	05/02/16 13:10	Return to Storage
JC19412-13.1	Secured Storage	Dwayne Johnson	05/02/16 13:18	Retrieve from Storage
JC19412-13.1	Dwayne Johnson	Secured Staging Area	05/02/16 13:19	Return to Storage
JC19412-13.1	Secured Staging Area	Lucas Schneider	05/02/16 15:32	Retrieve from Storage
JC19412-13.1	Lucas Schneider	Secured Storage	05/02/16 23:00	Return to Storage
JC19412-14.1	Secured Storage	Dwayne Johnson	05/02/16 09:25	Retrieve from Storage

SGS Accutest Internal Chain of Custody

Job Number: JC19412
Account: PARS PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ
Received: 04/30/16

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC19412-14.1	Dwayne Johnson	Secured Staging Area	05/02/16 09:25	Return to Storage
JC19412-14.1	Secured Staging Area	Jaclyn O'Connor	05/02/16 09:28	Retrieve from Storage
JC19412-14.1	Jaclyn O'Connor	Secured Storage	05/02/16 13:10	Return to Storage
JC19412-14.1	Secured Storage	Dwayne Johnson	05/02/16 13:18	Retrieve from Storage
JC19412-14.1	Dwayne Johnson	Secured Staging Area	05/02/16 13:19	Return to Storage
JC19412-14.1	Secured Staging Area	Lucas Schneider	05/02/16 15:32	Retrieve from Storage
JC19412-14.1	Lucas Schneider	Secured Storage	05/02/16 23:00	Return to Storage

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39289
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:53	MA39289-STD1	1		STDA
09:56	MA39289-STD2	1		STDA
09:59	MA39289-STD3	1		STDA
10:03	MA39289-STD4	1		STDB1
10:06	MA39289-STD5	1		STDB
10:09	MA39289-STD6	1		STDC
10:12	MA39289-STD7	1		STDD
10:16	MA39289-STD8	1		STDE
10:19	MA39289-STD9	1		STDF
10:22	MA39289-STD10	1		STDG
10:25	MA39289-STD11	1		STDH
10:29	MA39289-STD12	1		STDI
10:32	MA39289-STD13	1		STDJ
10:36	ZZZZZZ	1		
10:39	MA39289-ICVA1	1		
10:42	MA39289-ICV1	1		Al 60
10:46	MA39289-ICB1	1		
10:49	MA39289-CRIA1	1		
10:52	MA39289-CRI1	1		
10:55	MA39289-CCVA1	1		
10:59	MA39289-CCB1	1		
11:09	MP93322-MB2	1		
11:12	MP93322-B2	1		
11:15	MP93322-B2	2		Ag
11:18	ZZZZZZ	2		
11:22	ZZZZZZ	2		
11:25	ZZZZZZ	10		
11:28	ZZZZZZ	5		
11:32	ZZZZZZ	1		
11:47	ZZZZZZ	1		
11:50	MA39289-CCVA2	1		
11:54	MA39289-CCB2	1		
11:57	MP93338-MB2	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39289
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:00	MP93338-B2	1		
12:03	ZZZZZZ	1		
12:07	ZZZZZZ	1		
12:10	ZZZZZZ	1		
12:13	ZZZZZZ	1		
12:17	ZZZZZZ	1		
12:20	ZZZZZZ	1		
12:23	JC18908-4	1		(sample used for QC only; not part of login JC19412)
12:27	MA39289-CCVA3	1		
12:30	MA39289-CCB3	1		
12:33	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:54	ZZZZZZ	1		
12:57	ZZZZZZ	1		
13:03	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:18	MA39289-CCVA4	1		
13:23	MA39289-CCB4	1		
13:27	ZZZZZZ	1		
13:42	ZZZZZZ	1		
13:45	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:52	MA39289-CCVA5	1		
13:55	MA39289-CCB5	1		
13:59	MP93339-MB2	1		
14:02	MP93339-B2	1		
14:05	MP93339-S1	1		
14:08	MP93339-S2	1		
14:12	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39289
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:15	JC18886-1	1		(sample used for QC only; not part of login JC19412)
14:18	ZZZZZZ	1		
14:22	ZZZZZZ	1		
14:25	ZZZZZZ	1		
14:29	MA39289-CCVA6	1		
14:32	MA39289-CCB6	1		
14:35	ZZZZZZ	1		
14:39	ZZZZZZ	10		
14:42	ZZZZZZ	1		
14:45	ZZZZZZ	1		
14:49	ZZZZZZ	1		
14:52	ZZZZZZ	1		
14:56	ZZZZZZ	1		
14:59	ZZZZZZ	1		
15:02	MA39289-CCVA7	1		
15:05	MA39289-CCB7	1		As out
15:09	MP93360-MB1	1		
15:12	MP93360-B1	1		
15:15	MP93360-S1	1		
15:19	MP93360-S2	1		
---------->	Last reportable sample/prep for job JC19412			
15:22	ZZZZZZ	1		
15:25	JC18908-1	1		(sample used for QC only; not part of login JC19412)
15:29	MA39289-CCVA8	1		
15:32	MA39289-CCB8	1		As out
---------->	Last reportable CCB for job JC19412			
15:35	MP93338-S1	1		
15:39	MP93338-S2	1		
15:42	ZZZZZZ	1		
15:45	MA39289-CCVA9	1		
15:49	MA39289-CCB9	1		As out
20:10	MA39289-CCVA10	1		
20:13	MA39289-CCB10	1		As out
20:16	MP93420-MB1	1		
20:19	MP93420-B1	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39289
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:23	MP93420-S1	1		
20:26	MP93420-S2	1		
20:29	ZZZZZZ	1		
20:32	JC19275-1	1		(sample used for QC only; not part of login JC19412)
20:36	ZZZZZZ	1		
20:39	ZZZZZZ	1		
20:42	ZZZZZZ	1		
20:46	ZZZZZZ	1		
20:49	MA39289-CCVA11	1		
20:52	MA39289-CCB11	1		As out

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39289
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
09:53	MA39289-STD1	100	100	100	100	100	100	100	100
09:56	MA39289-STD2	100	100	100	100	100	100	100	100
09:59	MA39289-STD3	100	100	100	100	100	100	100	100
10:03	MA39289-STD4	98.346	99.362	99.97	99.794	98.55	99.867	99.65	99.815
10:06	MA39289-STD5	98.472	98.118	98.218	99.927	98.255	99.082	100.434	100.181
10:09	MA39289-STD6	98.218	98.402	98.371	98.93	98.51	99.238	100.765	100.16
10:12	MA39289-STD7	96.63	98.028	98.34	99.921	98.409	99.583	99.849	100.044
10:16	MA39289-STD8	97.102	96.479	97.03	98.279	97.807	98.721	100.49	100.998
10:19	MA39289-STD9	96.951	96.109	97.017	98.528	98.237	99.166	101.273	101.253
10:22	MA39289-STD10	95.753	96.963	97.116	98.167	97.377	99.028	100.571	100.662
10:25	MA39289-STD11	96.438	96.059	96.398	97.124	97.03	99.075	100.993	100.723
10:29	MA39289-STD12	95.098	95.647	96.619	96.611	95.152	98.093	101.277	102.006
10:32	MA39289-STD13	93.895	96.221	98.724	97.309	95.54	97.744	101.299	101.813
10:36	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:39	MA39289-ICVA1	94.34	96.649	98.106	98.11	96.933	99.777	102.76	103.111
10:42	MA39289-ICV1	95.697	96.64	96.06	98.103	99.381	100.042	101.725	101.952
10:46	MA39289-ICB1	95.351	96.624	96.207	98.436	98.739	101.184	101.872	102.042
10:49	MA39289-CRIA1	95.579	97.798	97.46	99.407	99.645	101.458	101.766	102.291
10:52	MA39289-CRI1	94.523	97.277	97.244	99.057	98.74	99.841	101.301	101.628
10:55	MA39289-CCVA1	94.218	96.236	97.579	98.512	97.081	99.521	103.051	103.837
10:59	MA39289-CCB1	95.447	97.562	96.536	98.908	100.521	101.527	103.724	103.4
11:09	MP93322-MB2	96.185	97.921	96.913	99.505	100.941	101.519	103.203	102.667
11:12	MP93322-B2	94.563	98.229	98.183	99.373	99.478	101.033	103.937	103.727
11:15	MP93322-B2	92.988	94.677	95.997	98.461	97.511	99.211	102.128	102.12
11:18	ZZZZZZ	92.161	96.518	96.86	99.291	98.264	101.538	103.357	103.719
11:22	ZZZZZZ	87.664	93.233	93.026	95.733	93.11	97.246	100.394	101.135
11:25	ZZZZZZ	94.423	98.779	98.873	100.882	100.602	101.848	104.182	103.835
11:28	ZZZZZZ	93.364	96.567	96.947	98.794	99.994	100.087	102.218	102.789
11:32	ZZZZZZ	91.245	94.477	94.32	96.49	97.753	99.7	101.31	101.922
11:47	ZZZZZZ	No results reported for the elements associated with this internal standard.							
11:50	MA39289-CCVA2	91	91.926	93.515	95.02	93.76	96.711	100.098	100.73
11:54	MA39289-CCB2	91.198	92.119	91.661	94.322	95.396	97.857	98.991	99.095
11:57	MP93338-MB2	90.736	92.223	92.095	94.788	95.612	96.485	99.823	99.838

INTERNAL STANDARD SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39289
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
12:00	MP93338-B2	91.194	92.436	93.316	95.853	95.629	98.058	101.317	101.069
12:03	ZZZZZZ	No results reported for the elements associated with this internal standard.							
12:07	ZZZZZZ	No results reported for the elements associated with this internal standard.							
12:10	ZZZZZZ	No results reported for the elements associated with this internal standard.							
12:13	ZZZZZZ	86.57	91.264	90.294	93.073	91.087	96.196	100.044	99.29
12:17	ZZZZZZ	87.661	90.608	90.008	91.941	90.098	94.991	98.907	99.977
12:20	ZZZZZZ	90.148	93.978	93.031	95.916	94.95	98.572	102.645	103.553
12:23	JC18908-4	93.045	98.432	98.444	101.365	99.024	103.973	107.993	109.539
12:27	MA39289-CCVA3	93.421	96.074	99.27	100.319	100.474	104.065	109.709	110.707
12:30	MA39289-CCB3	92.03	96.567	97.686	99.546	102.327	104.589	107.378	107.616
12:33	ZZZZZZ	95.838	103.886	104.324	107.63	104.021	108.772	113.427	114.335
12:37	ZZZZZZ	96.396	103.706	104.052	106.919	104.951	109.555	114.759	115.46
12:40	ZZZZZZ	93.484	98.856	99.458	103.136	99.773	105.866	110.36	110.744
12:44	ZZZZZZ	94.12	99.892	100.897	103.992	100.486	105.782	111.191	112.422
12:47	ZZZZZZ	90.458	94.132	94.294	96.775	94.662	99.68	104.526	104.639
12:50	ZZZZZZ	89.31	94.53	93.549	96.643	94.473	99.161	103.237	104.011
12:54	ZZZZZZ	No results reported for the elements associated with this internal standard.							
12:57	ZZZZZZ	No results reported for the elements associated with this internal standard.							
13:03	ZZZZZZ	83.438	87.267	86.958	89.149	86.252	91.139	93.902	94.288
13:15	ZZZZZZ	No results reported for the elements associated with this internal standard.							
13:18	MA39289-CCVA4	84.758	85.594	87.037	88.12	87.88	90.374	96.172	96.9
13:23	MA39289-CCB4	86.61	89.205	88.76	90.538	92.345	93.307	94.729	95.226
13:27	ZZZZZZ	No results reported for the elements associated with this internal standard.							
13:42	ZZZZZZ	No results reported for the elements associated with this internal standard.							
13:45	ZZZZZZ	85.876	92.884	92.287	95.658	91.863	97.115	101.429	101.861
13:49	ZZZZZZ	No results reported for the elements associated with this internal standard.							
13:52	MA39289-CCVA5	86.268	90.103	92.248	92.696	92.947	95.391	100.649	101.249
13:55	MA39289-CCB5	90.261	96.573	96.038	98.592	100.074	100.802	103.15	103.356
13:59	MP93339-MB2	89.838	95.575	96.2	98.493	98.609	100.241	101.859	101.592
14:02	MP93339-B2	89.279	95.781	95.995	98.541	98.94	100.475	104.076	103.999
14:05	MP93339-S1	86.211	96.008	95.519	98.303	96.013	99.894	105.127	106.375
14:08	MP93339-S2	85.796	96.3	97.336	99.866	96.636	100.151	105.226	105.824
14:12	ZZZZZZ	No results reported for the elements associated with this internal standard.							

INTERNAL STANDARD SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39289
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
14:15	JC18886-1	88.227	98.243	97.228	101.151	97.061	100.029	103.744	104.07
14:18	ZZZZZZ	82.991	90.82	89.03	92.236	88.42	91.771	95.451	95.708
14:22	ZZZZZZ	79.648	84.001	82.482	85.405	83.206	86.641	91.052	91.289
14:25	ZZZZZZ	79.601	83.336	83.37	86.189	83.077	86.843	91.949	92.374
14:29	MA39289-CCVA6	79.162	78.283	81.543	81.171	80.994	83.398	88.352	88.917
14:32	MA39289-CCB6	81.409	83.569	84.864	86.13	86.843	87.337	89.474	90.057
14:35	ZZZZZZ	80.57	86.995	85.643	88.503	85.561	89.777	93.11	93.741
14:39	ZZZZZZ	83.315	85.874	86.651	88.502	88.097	89.338	91.643	91.83
14:42	ZZZZZZ	84.042	89.769	89.832	92.303	88.048	92.505	95.994	96.536
14:45	ZZZZZZ	77.877	81.633	81.732	83.704	81.462	84.868	89.155	89.273
14:49	ZZZZZZ	75.591	80.287	79.415	81.874	78.119	81.294	84.507	84.906
14:52	ZZZZZZ	73.35	76.129	74.655	76.904	74.352	77.544	80.892	81.426
14:56	ZZZZZZ	75.232	78.508	76.781	79.171	76.015	79.232	82.279	83.747
14:59	ZZZZZZ	No results reported for the elements associated with this internal standard.							
15:02	MA39289-CCVA7	73.461	73.606	75.419	75.822	74.312	75.769	78.527	79.159
15:05	MA39289-CCB7	74.036	77.341	76.724	78.658	78.301	77.651	78.28	78.247
15:09	MP93360-MB1	74.949	77.14	77.24	78.644	77.438	77.575	78.456	78.197
15:12	MP93360-B1	73.94	76.495	75.951	77.353	76.1	76.282	78.344	78.268
15:15	MP93360-S1	71.585	74.33	74.915	76.824	73.186	75.349	77.676	78.477
15:19	MP93360-S2	79.052	86.305	87.104	88.911	84.726	86.127	89.056	90.278
15:22	ZZZZZZ	No results reported for the elements associated with this internal standard.							
15:25	JC18908-1	79.892	88.6	88.402	90.38	86.667	88.999	91.137	92.122
15:29	MA39289-CCVA8	73.35	75.939	76.611	77.311	75.653	77.139	79.277	79.395
15:32	MA39289-CCB8	73.88	76.563	76.66	78.574	77.75	77.41	78.73	78.393
15:35	MP93338-S1	78.382	86.19	85.591	88.663	83.741	85.32	88.339	88.35
15:39	MP93338-S2	73.351	78.72	79.01	81.297	77.443	79.51	83.248	83.648
15:42	ZZZZZZ	No results reported for the elements associated with this internal standard.							
15:45	MA39289-CCVA9	73.452	74.424	76.003	76.624	75.424	76.876	80.588	80.729
15:49	MA39289-CCB9	73.706	76.091	75.348	77.693	77.362	78.116	78.863	79.894
20:10	MA39289-CCVA10	66.994	70.939	72.986	73.929	72.841	74.29	77.624	78.006
20:13	MA39289-CCB10	67.052	70.447	72.44	73.901	73.934	74.626	77.529	77.801
20:16	MP93420-MB1	67.555	71.415	72.626	74.32	74.631	75.372	77.106	76.99
20:19	MP93420-B1	66.715	71.793	73.663	75.189	73.796	75.035	78.415	79.015

INTERNAL STANDARD SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39289
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
20:23	MP93420-S1	61.978	69.153	70.582	72.54	70.48	72.978	79.096	78.989
20:26	MP93420-S2	60.546	67.899	69.018	71.151	69.094	72.667	77.552	78.425
20:29	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:32	JC19275-1	62.43	70.671	72.54	74.545	71.793	75.382	79.715	80.332
20:36	ZZZZZZ	60.903	68.985	70.43	71.969	69.857	73.125	77.328	78.103
20:39	ZZZZZZ	60.084	68.375	68.766	72.334	69.578	72.358	76.947	77.615
20:42	ZZZZZZ	59.476 !a	66.627	68.197	70.645	68.311	71.526	75.994	76.406
20:46	ZZZZZZ	59.701 !a	67.797	68.466	71.056	68.575	71.787	76.221	76.444
20:49	MA39289-CCVA11	64.108	68.256	70.763	71.634	70.514	71.889	76.257	76.66
20:52	MA39289-CCB11	63.961	67.24	69.457	70.926	72.388	73.058	75.208	74.97

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Lithium	60-125 %
Istd#2	Scandium	60-125 %
Istd#3	Germanium (72-1)	60-125 %
Istd#4	Germanium (74-1)	60-125 %
Istd#5	Rhodium	60-125 %
Istd#6	Indium	60-125 %
Istd#7	Terbium	60-125 %
Istd#8	Holmium	60-125 %

(a) No samples reported for the elements associated with this internal standard.

INTERNAL STANDARD SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39289
Parameters: Pb

Time	Sample Description	Istd#9
09:53	MA39289-STD1	100
09:56	MA39289-STD2	100
09:59	MA39289-STD3	100
10:03	MA39289-STD4	99.761
10:06	MA39289-STD5	100.991
10:09	MA39289-STD6	101.684
10:12	MA39289-STD7	101.334
10:16	MA39289-STD8	102.62
10:19	MA39289-STD9	103.155
10:22	MA39289-STD10	100.854
10:25	MA39289-STD11	101.525
10:29	MA39289-STD12	100.527
10:32	MA39289-STD13	98.854
10:36	ZZZZZZ	No results reported for the elements associated with this internal standard.
10:39	MA39289-ICVA1	101.144
10:42	MA39289-ICV1	102.664
10:46	MA39289-ICB1	102.812
10:49	MA39289-CRIA1	103.619
10:52	MA39289-CRI1	102.786
10:55	MA39289-CCVA1	102.765
10:59	MA39289-CCB1	104.494
11:09	MP93322-MB2	104.009
11:12	MP93322-B2	103.673
11:15	MP93322-B2	102.531
11:18	ZZZZZZ	103.442
11:22	ZZZZZZ	100.684
11:25	ZZZZZZ	104.078
11:28	ZZZZZZ	103.301
11:32	ZZZZZZ	104.366
11:47	ZZZZZZ	No results reported for the elements associated with this internal standard.
11:50	MA39289-CCVA2	100.48
11:54	MA39289-CCB2	100.144
11:57	MP93338-MB2	99.935

INTERNAL STANDARD SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39289
Parameters: Pb

Time	Sample Description	Istd#9
12:00	MP93338-B2	102.048
12:03	ZZZZZZ	No results reported for the elements associated with this internal standard.
12:07	ZZZZZZ	No results reported for the elements associated with this internal standard.
12:10	ZZZZZZ	No results reported for the elements associated with this internal standard.
12:13	ZZZZZZ	96.22
12:17	ZZZZZZ	96.165
12:20	ZZZZZZ	100.36
12:23	JC18908-4	105.438
12:27	MA39289-CCVA3	112.928
12:30	MA39289-CCB3	108.781
12:33	ZZZZZZ	109.95
12:37	ZZZZZZ	112.119
12:40	ZZZZZZ	109.141
12:44	ZZZZZZ	109.182
12:47	ZZZZZZ	101.694
12:50	ZZZZZZ	100.821
12:54	ZZZZZZ	No results reported for the elements associated with this internal standard.
12:57	ZZZZZZ	No results reported for the elements associated with this internal standard.
13:03	ZZZZZZ	91.483
13:15	ZZZZZZ	No results reported for the elements associated with this internal standard.
13:18	MA39289-CCVA4	96.577
13:23	MA39289-CCB4	96.149
13:27	ZZZZZZ	No results reported for the elements associated with this internal standard.
13:42	ZZZZZZ	No results reported for the elements associated with this internal standard.
13:45	ZZZZZZ	98.231
13:49	ZZZZZZ	No results reported for the elements associated with this internal standard.
13:52	MA39289-CCVA5	100.907
13:55	MA39289-CCB5	105.072
13:59	MP93339-MB2	102.937
14:02	MP93339-B2	104.889
14:05	MP93339-S1	102.187
14:08	MP93339-S2	101.995
14:12	ZZZZZZ	No results reported for the elements associated with this internal standard.

INTERNAL STANDARD SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39289
Parameters: Pb

Time	Sample Description	Istd#9
14:15	JC18886-1	101.534
14:18	ZZZZZZ	92.28
14:22	ZZZZZZ	88.214
14:25	ZZZZZZ	89.784
14:29	MA39289-CCVA6	90.418
14:32	MA39289-CCB6	90.519
14:35	ZZZZZZ	89.782
14:39	ZZZZZZ	92.988
14:42	ZZZZZZ	93.491
14:45	ZZZZZZ	87.34
14:49	ZZZZZZ	81.32
14:52	ZZZZZZ	78.118
14:56	ZZZZZZ	79.447
14:59	ZZZZZZ	No results reported for the elements associated with this internal standard.
15:02	MA39289-CCVA7	78.718
15:05	MA39289-CCB7	79.43
15:09	MP93360-MB1	79.506
15:12	MP93360-B1	79.291
15:15	MP93360-S1	75.891
15:19	MP93360-S2	86.968
15:22	ZZZZZZ	No results reported for the elements associated with this internal standard.
15:25	JC18908-1	89.58
15:29	MA39289-CCVA8	79.586
15:32	MA39289-CCB8	79.427
15:35	MP93338-S1	85.659
15:39	MP93338-S2	81.06
15:42	ZZZZZZ	No results reported for the elements associated with this internal standard.
15:45	MA39289-CCVA9	80.474
15:49	MA39289-CCB9	80.616
20:10	MA39289-CCVA10	79.09
20:13	MA39289-CCB10	79.396
20:16	MP93420-MB1	79.081
20:19	MP93420-B1	80.163

INTERNAL STANDARD SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39289
Parameters: Pb

Time	Sample Description	Istd#9
20:23	MP93420-S1	79.359
20:26	MP93420-S2	78.334
20:29	ZZZZZZ	No results reported for the elements associated with this internal standard.
20:32	JC19275-1	80.505
20:36	ZZZZZZ	79.127
20:39	ZZZZZZ	77.409
20:42	ZZZZZZ	76.709
20:46	ZZZZZZ	77.019
20:49	MA39289-CCVA11	77.082
20:52	MA39289-CCB11	78.198

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#9	Bismuth	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA39289 Units: ug/l

Time: / Sample ID:			10:46 ICB1		10:59 CCB1		11:54 CCB2		12:30 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	50	.1	anr							
Antimony	2.0	.12	anr							
Arsenic	1.0	.38	anr							
Barium	1.0	.011	anr							
Beryllium	0.30	.004	anr							
Boron	50	3.2								
Cadmium	0.50	.008	anr							
Calcium	250	2.7	anr							
Chromium	4.0	.019	anr							
Cobalt	0.50	.003								
Copper	4.0	.02	anr							
Iron	50	1.1	anr							
Lead	0.50	.009	0.0044	<0.50	0.013	<0.50	0.015	<0.50	0.027	<0.50
Magnesium	250	.17	anr							
Manganese	1.0	.019	anr							
Molybdenum	1.0	.02	anr							
Nickel	4.0	.028	anr							
Potassium	250	2	anr							
Selenium	1.0	.29	anr							
Silver	2.0	.019	anr							
Sodium	250	3.9	anr							
Strontium	1.0	.009								
Thallium	0.50	.016	anr							
Tin	1.0	.039								
Titanium	1.0	.034								
Vanadium	4.0	.11	anr							
Zinc	10	.29	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA39289 Units: ug/l

Time: / Sample ID:			13:23 CCB4		13:55 CCB5		14:32 CCB6		15:05 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	50	.1	anr							
Antimony	2.0	.12	anr							
Arsenic	1.0	.38	anr							
Barium	1.0	.011	anr							
Beryllium	0.30	.004	anr							
Boron	50	3.2								
Cadmium	0.50	.008	anr							
Calcium	250	2.7	anr							
Chromium	4.0	.019	anr							
Cobalt	0.50	.003								
Copper	4.0	.02	anr							
Iron	50	1.1	anr							
Lead	0.50	.009	0.022	<0.50	0.030	<0.50	0.036	<0.50	0.028	<0.50
Magnesium	250	.17	anr							
Manganese	1.0	.019	anr							
Molybdenum	1.0	.02	anr							
Nickel	4.0	.028	anr							
Potassium	250	2	anr							
Selenium	1.0	.29	anr							
Silver	2.0	.019	anr							
Sodium	250	3.9	anr							
Strontium	1.0	.009								
Thallium	0.50	.016	anr							
Tin	1.0	.039								
Titanium	1.0	.034								
Vanadium	4.0	.11	anr							
Zinc	10	.29	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA39289 Units: ug/l

Time:			15:32	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	50	.1	anr	
Antimony	2.0	.12	anr	
Arsenic	1.0	.38	anr	
Barium	1.0	.011	anr	
Beryllium	0.30	.004	anr	
Boron	50	3.2		
Cadmium	0.50	.008	anr	
Calcium	250	2.7	anr	
Chromium	4.0	.019	anr	
Cobalt	0.50	.003		
Copper	4.0	.02	anr	
Iron	50	1.1	anr	
Lead	0.50	.009	0.037	<0.50
Magnesium	250	.17	anr	
Manganese	1.0	.019	anr	
Molybdenum	1.0	.02	anr	
Nickel	4.0	.028	anr	
Potassium	250	2	anr	
Selenium	1.0	.29	anr	
Silver	2.0	.019	anr	
Sodium	250	3.9	anr	
Strontium	1.0	.009		
Thallium	0.50	.016	anr	
Tin	1.0	.039		
Titanium	1.0	.034		
Vanadium	4.0	.11	anr	
Zinc	10	.29	anr	

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39289 Units: ug/l

Time:		10:39			10:42			10:55	
Sample ID:	ICVA	ICVA1		ICV	ICV1		CCVA	CCVA1	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	60	57.8	96.3				50	49.6	99.2
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39289 Units: ug/l

Time:		11:50			12:27			13:18	
Sample ID:	CCVA	CCVA2		CCVA	CCVA3		CCVA	CCVA4	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	50	49.7	99.4	50	49.3	98.6	50	49.8	99.6
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39289 Units: ug/l

Time:		13:52			14:29			15:02	
Sample ID:	CCVA	CCVA5		CCVA	CCVA6		CCVA	CCVA7	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	50	49.1	98.2	50	49.8	99.6	50	49.2	98.4
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39289 Units: ug/l

Time:		15:29	
Sample ID:	CCVA	CCVA8	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	50	48.9	97.8
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB042816W1.CSV Date Analyzed: 04/28/16 Methods: EPA 200.8
QC Limits: 70 to 130 % Recovery Run ID: MA39289 Units: ug/l

Time:			10:49		10:52	
Sample ID:	CRI	CRIA	CRIA1		CRI1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	25	25				
Antimony	2.0	0.25				
Arsenic	0.50	0.50	anr			
Barium	1.0	0.50				
Beryllium	0.50	0.25	anr			
Boron	25	2.5				
Cadmium	0.50	0.25				
Calcium	250	125				
Chromium	1.0	2.0				
Cobalt	0.50	0.25				
Copper	2.0	2.0				
Iron	25	25				
Lead	0.50	0.25			0.51	102.0
Magnesium	250	125				
Manganese	0.50	0.25				
Molybdenum	1.0	0.50				
Nickel	1.0	2.0				
Potassium	250	125				
Selenium	0.50	0.50	anr			
Silver	0.50	1.0				
Sodium	250	125				
Strontium	5.0	0.50				
Thallium	0.50	0.25				
Tin	5.0	0.50				
Titanium	1.0	0.50				
Vanadium	1.0	2.0				
Zinc	5.0	2.0				

(*) Outside of QC limits
(anr) Analyte not requested

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050216W2.CSV Date Analyzed: 05/02/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39312
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:13	MA39312-STD1	1		STDA
11:16	MA39312-STD2	1		STDA
11:19	MA39312-STD3	1		STDA
11:22	MA39312-STD4	1		STDB1
11:26	MA39312-STD5	1		STDB
11:29	MA39312-STD6	1		STDC
11:32	MA39312-STD7	1		STDD
11:35	MA39312-STD8	1		STDE
11:39	MA39312-STD9	1		STDF
11:42	MA39312-STD10	1		STDG
11:45	MA39312-STD11	1		STDH
11:48	MA39312-STD12	1		STDI
11:52	MA39312-STD13	1		STDJ
11:59	ZZZZZZ	1		
12:02	MA39312-ICVA1	1		
12:05	MA39312-ICV1	1		60ppb Al
12:09	MA39312-ICB1	1		
12:12	MA39312-CRI1	1		
12:15	MA39312-CCVA1	1		
12:18	MA39312-CCB1	1		
12:24	MP93458-MB1	1		
12:27	MP93458-MB2	1		
12:30	MP93458-B1	1		
12:34	MP93458-B2	10		
12:37	MP93458-S1	1		
12:40	MP93458-S2	1		
12:43	ZZZZZZ	1		
12:47	JC19250-1	1		(sample used for QC only; not part of login JC19412)
12:50	MA39312-CCVA2	1		
12:53	MA39312-CCB2	1		
12:57	ZZZZZZ	1		
13:00	ZZZZZZ	1		
13:03	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050216W2.CSV Date Analyzed: 05/02/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39312
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:06	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:13	ZZZZZZ	1		
13:16	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:23	MA39312-CCVA3	1		
13:26	MA39312-CCB3	1		
13:30	MP93459-MB1	1		
13:33	MP93459-B1	1		
13:36	MP93459-S1	1		
13:39	MP93459-S2	1		
13:43	ZZZZZZ	1		
13:46	JC19412-1	1		
13:49	JC19412-2	1		
13:53	JC19412-3	1		
13:56	JC19412-4	1		high turb
14:00	MA39312-CCVA4	1		
14:03	MA39312-CCB4	1		
14:06	JC19412-5	1		high turb
14:09	JC19412-6	1		overrange
14:13	JC19412-7	1		
14:16	JC19412-8	1		
14:20	JC19412-9	1		
14:23	JC19412-10	1		
14:27	MA39312-CCVA5	1		
14:30	MA39312-CCB5	1		
14:33	ZZZZZZ	5		
14:37	ZZZZZZ	5		
14:40	MA39312-CCVA6	1		
14:43	MA39312-CCB6	1		
14:46	MP93460-MB1	1		
14:50	MP93460-B1	1		
14:53	MP93460-S1	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050216W2.CSV Date Analyzed: 05/02/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39312
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:56	MP93460-S2	1		
15:00	ZZZZZZ	1		
15:03	JC19412-12	1		
15:06	JC19412-13	1		
15:10	JC19412-14	1		
15:13	JC19412-6	2		
15:16	MA39312-CCVA7	1		
15:20	MA39312-CCB7	1		
15:23	JC19412-11	1		
---------->	Last reportable sample/prep for job JC19412			
15:26	ZZZZZZ	1		
15:29	MA39312-CCVA8	1		
15:33	MA39312-CCB8	1		
---------->	Last reportable CCB for job JC19412			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050216W2.CSV Date Analyzed: 05/02/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39312
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
11:13	MA39312-STD1	100	100	100	100	100	100	100	100
11:16	MA39312-STD2	100	100	100	100	100	100	100	100
11:19	MA39312-STD3	100	100	100	100	100	100	100	100
11:22	MA39312-STD4	100.083	99.941	101.187	99.644	99.586	100.383	98.447	99.779
11:26	MA39312-STD5	100.481	101.252	100.734	100.986	99.663	100.409	99.6	100.551
11:29	MA39312-STD6	100.874	99.919	99.906	100.024	99.506	99.387	99.758	100.672
11:32	MA39312-STD7	101.342	100.283	100.41	100.628	99.715	99.599	99.476	100.903
11:35	MA39312-STD8	101.471	100.482	101.512	101.301	100.292	100.309	100.388	100.72
11:39	MA39312-STD9	100.055	98.482	98.544	99.174	98.66	98.767	99.402	99.983
11:42	MA39312-STD10	99.612	98.341	98.849	98.59	98.002	99.251	99.532	101.003
11:45	MA39312-STD11	101.213	100.175	101.16	99.471	98.929	100.387	99.754	100.973
11:48	MA39312-STD12	99.104	97.631	98.577	97.017	96.361	97.821	98.848	100.599
11:52	MA39312-STD13	99.948	98.857	101.334	97.721	96.422	97.852	99.894	101.115
11:59	ZZZZZZ	104.66	103.561	103.318	102.488	102.278	102.091	100.884	102.347
12:02	MA39312-ICVA1	100.875	100.511	102.038	99.968	98.413	99.163	100.606	102.104
12:05	MA39312-ICV1	102.582	102.4	102.107	102.249	101.692	101.868	100.818	101.876
12:09	MA39312-ICB1	104.276	104.497	102.891	103.52	102.49	102.804	101.472	102.463
12:12	MA39312-CRI1	104.386	104.696	103.983	103.554	102.548	103.344	101.926	102.722
12:15	MA39312-CCVA1	99.899	97.208	100.56	97.493	94.761	96.554	96.844	98.248
12:18	MA39312-CCB1	104.96	103.294	103.228	101.811	101.915	102.171	101.022	102.097
12:24	MP93458-MB1	106.271	105.546	105.06	103.99	103.078	103.199	101.059	101.742
12:27	MP93458-MB2	96.694	100.337	99.914	99.919	99.475	99.697	98.162	98.928
12:30	MP93458-B1	105.339	104.326	104.16	102.747	101.773	102.249	101.562	102.871
12:34	MP93458-B2	95.474	98.061	98.749	98.491	98.662	99.763	99.631	101.226
12:37	MP93458-S1	93.702	97.672	98.911	98.908	96.252	98.126	100.435	101.024
12:40	MP93458-S2	93.694	96.556	98.4	97.582	95.435	98.08	100.182	101.021
12:43	ZZZZZZ	102.36	100.288	100.966	100.647	100.987	101.541	100.943	102.308
12:47	JC19250-1	96.251	100.67	99.749	100.427	97.634	100.967	101.674	103.013
12:50	MA39312-CCVA2	99.511	98.031	99.727	98.161	97.527	98.882	100.546	102.471
12:53	MA39312-CCB2	102.291	100.878	100.974	100.029	100.58	100.592	101.266	102.468
12:57	ZZZZZZ	96.95	101.608	101.376	102.354	98.583	101.669	101.076	102.097
13:00	ZZZZZZ	96.217	99.231	99.396	99.461	96.412	99.369	100.189	101.687
13:03	ZZZZZZ	96.292	98.366	98.698	98.779	95.629	98.498	98.972	100.068

INTERNAL STANDARD SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050216W2.CSV Date Analyzed: 05/02/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39312
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
13:06	ZZZZZZ	No results reported for the elements associated with this internal standard.							
13:10	ZZZZZZ	96.543	98.301	98.356	98.221	95.176	98.313	99.232	100.76
13:13	ZZZZZZ	95.008	97.113	97.75	97.637	94.515	97.187	98.051	99.494
13:16	ZZZZZZ	94.183	96.139	95.78	95.959	93.16	96.76	97.18	98.519
13:20	ZZZZZZ	94.469	95.601	96.044	95.379	93.622	96.317	97.447	98.584
13:23	MA39312-CCVA3	95.054	93.302	96.324	93.893	92.798	94.387	97.263	98.342
13:26	MA39312-CCB3	99.206	97.639	99.121	98.215	98.373	99.104	98.243	100.299
13:30	MP93459-MB1	100.203	98.627	100.03	97.873	98.755	99.45	98.008	99.079
13:33	MP93459-B1	97.487	96.667	98.886	98.225	96.427	97.509	97.319	99.011
13:36	MP93459-S1	89.644	93.64	94.855	94.147	90.881	94.412	97.508	99.15
13:39	MP93459-S2	89.568	92.931	93.976	93.756	90.644	93.974	96.369	97.96
13:43	ZZZZZZ	98.416	96.677	97.591	96.564	96.761	97.493	96.679	97.153
13:46	JC19412-1	90.335	93.422	93.457	93.461	90.744	94.588	96.094	97.656
13:49	JC19412-2	92.073	94.406	95.168	94.62	92.305	96.199	97.309	98.441
13:53	JC19412-3	89.889	93.865	94.174	94.192	91.167	94.939	95.683	96.881
13:56	JC19412-4	No results reported for the elements associated with this internal standard.							
14:00	MA39312-CCVA4	97.049	97.174	99.39	97.367	96.487	97.907	99.321	100.537
14:03	MA39312-CCB4	99.503	98.754	100.043	99.216	99.297	100.308	99.653	99.835
14:06	JC19412-5	No results reported for the elements associated with this internal standard.							
14:09	JC19412-6	93.138	96.499	96.333	96.73	93.549	96.397	98.09	99.33
14:13	JC19412-7	91.901	95.6	94.848	94.952	91.988	95.138	95.598	96.735
14:16	JC19412-8	92.439	95.388	95	95.453	91.941	95.442	96.259	98.039
14:20	JC19412-9	91.629	93.569	93.232	93.004	90.711	93.841	94.691	95.737
14:23	JC19412-10	96.831	101.193	101.479	101.336	97.327	100.721	101.737	102.495
14:27	MA39312-CCVA5	102.985	105.034	108.553	106.598	105.02	106.836	108.356	109.101
14:30	MA39312-CCB5	106.736	109.937	110.563	109.065	109.516	110.348	108.986	109.992
14:33	ZZZZZZ	108.607	111.94	113.696	112.446	110.454	112.824	112.585	113.955
14:37	ZZZZZZ	105.764	109.276	110.733	109.653	108.63	110.694	110.156	111.647
14:40	MA39312-CCVA6	106.348	108.552	111.305	108.782	106.805	108.32	110.158	111.116
14:43	MA39312-CCB6	108.834	110.412	112.491	111.362	111.12	111.15	110.621	111.357
14:46	MP93460-MB1	106.856	107.575	108.82	107.604	107.357	108.183	106.837	107.581
14:50	MP93460-B1	107.815	110.37	111.795	111.547	108.712	110.754	110.921	112.246
14:53	MP93460-S1	99.754	107.214	107.734	108.666	104.731	109.053	110.943	111.973

INTERNAL STANDARD SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050216W2.CSV Date Analyzed: 05/02/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39312
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
14:56	MP93460-S2	100.044	106.927	109.154	109.889	105.788	109.589	111.704	113.002
15:00	ZZZZZZ	106.457	110.305	111.603	110.538	112.422	113.06	113.051	113.809
15:03	JC19412-12	98.531	105.884	107.406	106.684	102.932	107.535	108.22	109.63
15:06	JC19412-13	93.118	96.493	96.643	96.048	92.971	96.264	97.485	98.482
15:10	JC19412-14	94.615	100.041	99.846	100.1	97.053	99.832	101.111	102.747
15:13	JC19412-6	102.084	106.431	106.921	106.525	103.548	106.24	106.837	107.897
15:16	MA39312-CCVA7	103.988	107.473	110.468	108.206	106.367	107.704	108.973	110.373
15:20	MA39312-CCB7	108.614	111.739	113.22	112.286	111.327	111.836	109.51	110.237
15:23	JC19412-11	102.453	111.011	111.955	112.163	107.313	111.061	112.168	114.023
15:26	ZZZZZZ	109.552	113.566	114.315	114.539	113.639	113.692	112.425	113.331
15:29	MA39312-CCVA8	108.223	111.905	116.183	112.827	110.978	112.132	113.61	114.384
15:33	MA39312-CCB8	111.432	115.753	116.306	115.833	115.953	115.854	114.538	114.978

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Lithium	60-125 %
Istd#2	Scandium	60-125 %
Istd#3	Germanium (72-1)	60-125 %
Istd#4	Germanium (74-1)	60-125 %
Istd#5	Rhodium	60-125 %
Istd#6	Indium	60-125 %
Istd#7	Terbium	60-125 %
Istd#8	Holmium	60-125 %

INTERNAL STANDARD SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050216W2.CSV Date Analyzed: 05/02/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39312
Parameters: Pb

Time	Sample Description	Istd#9
11:13	MA39312-STD1	100
11:16	MA39312-STD2	100
11:19	MA39312-STD3	100
11:22	MA39312-STD4	98.837
11:26	MA39312-STD5	98.862
11:29	MA39312-STD6	99.724
11:32	MA39312-STD7	100.112
11:35	MA39312-STD8	100.291
11:39	MA39312-STD9	100.11
11:42	MA39312-STD10	98.833
11:45	MA39312-STD11	99.888
11:48	MA39312-STD12	98.377
11:52	MA39312-STD13	98.61
11:59	ZZZZZZ	101.187
12:02	MA39312-ICVA1	99.154
12:05	MA39312-ICV1	100.465
12:09	MA39312-ICB1	101.681
12:12	MA39312-CRI1	101.739
12:15	MA39312-CCVA1	96.272
12:18	MA39312-CCB1	101.114
12:24	MP93458-MB1	101.017
12:27	MP93458-MB2	97.868
12:30	MP93458-B1	100.868
12:34	MP93458-B2	101.923
12:37	MP93458-S1	97.691
12:40	MP93458-S2	97.474
12:43	ZZZZZZ	101.353
12:47	JC19250-1	98.674
12:50	MA39312-CCVA2	100.681
12:53	MA39312-CCB2	101.545
12:57	ZZZZZZ	98.312
13:00	ZZZZZZ	96.206
13:03	ZZZZZZ	96.459

INTERNAL STANDARD SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050216W2.CSV Date Analyzed: 05/02/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39312
Parameters: Pb

Time	Sample Description	Istd#9
13:06	ZZZZZZ	No results reported for the elements associated with this internal standard.
13:10	ZZZZZZ	96.18
13:13	ZZZZZZ	95.187
13:16	ZZZZZZ	94.392
13:20	ZZZZZZ	94.541
13:23	MA39312-CCVA3	97.714
13:26	MA39312-CCB3	98.663
13:30	MP93459-MB1	98.298
13:33	MP93459-B1	98.622
13:36	MP93459-S1	94.368
13:39	MP93459-S2	93.146
13:43	ZZZZZZ	96.52
13:46	JC19412-1	93.052
13:49	JC19412-2	93.377
13:53	JC19412-3	93.126
13:56	JC19412-4	No results reported for the elements associated with this internal standard.
14:00	MA39312-CCVA4	98.691
14:03	MA39312-CCB4	99.209
14:06	JC19412-5	No results reported for the elements associated with this internal standard.
14:09	JC19412-6	94.4
14:13	JC19412-7	92.274
14:16	JC19412-8	93.521
14:20	JC19412-9	90.828
14:23	JC19412-10	98.599
14:27	MA39312-CCVA5	107.461
14:30	MA39312-CCB5	107.827
14:33	ZZZZZZ	110.766
14:37	ZZZZZZ	109.413
14:40	MA39312-CCVA6	108.313
14:43	MA39312-CCB6	110.357
14:46	MP93460-MB1	106.899
14:50	MP93460-B1	110.092
14:53	MP93460-S1	106.15

INTERNAL STANDARD SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050216W2.CSV Date Analyzed: 05/02/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39312
Parameters: Pb

Time	Sample Description	Istd#9
14:56	MP93460-S2	107.548
15:00	ZZZZZZ	112.397
15:03	JC19412-12	104.603
15:06	JC19412-13	93.783
15:10	JC19412-14	98.021
15:13	JC19412-6	104.76
15:16	MA39312-CCVA7	108.346
15:20	MA39312-CCB7	109.148
15:23	JC19412-11	108.344
15:26	ZZZZZZ	112.064
15:29	MA39312-CCVA8	111.506
15:33	MA39312-CCB8	114.31

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#9	Bismuth	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050216W2.CSV Date Analyzed: 05/02/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA39312 Units: ug/l

Time:			12:09		12:18		12:53		13:26	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	50	.1								
Antimony	2.0	.12								
Arsenic	1.0	.38								
Barium	1.0	.011								
Beryllium	0.30	.004								
Boron	50	3.2								
Cadmium	0.50	.008								
Calcium	250	2.7								
Chromium	4.0	.019								
Cobalt	0.50	.003								
Copper	4.0	.02	anr							
Iron	50	1.1								
Lead	0.50	.009	0.0036	<0.50	0.015	<0.50	0.026	<0.50	0.019	<0.50
Magnesium	250	.17								
Manganese	1.0	.019								
Molybdenum	1.0	.02								
Nickel	4.0	.028								
Potassium	250	2								
Selenium	1.0	.29								
Silver	2.0	.019								
Sodium	250	3.9								
Strontium	1.0	.009								
Thallium	0.50	.016								
Tin	1.0	.039								
Titanium	1.0	.034								
Vanadium	4.0	.11								
Zinc	10	.29								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050216W2.CSV Date Analyzed: 05/02/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA39312 Units: ug/l

Time:			14:03		14:30		14:43		15:20	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	50	.1								
Antimony	2.0	.12								
Arsenic	1.0	.38								
Barium	1.0	.011								
Beryllium	0.30	.004								
Boron	50	3.2								
Cadmium	0.50	.008								
Calcium	250	2.7								
Chromium	4.0	.019								
Cobalt	0.50	.003								
Copper	4.0	.02	anr							
Iron	50	1.1								
Lead	0.50	.009	0.057	<0.50	0.047	<0.50	0.048	<0.50	0.067	<0.50
Magnesium	250	.17								
Manganese	1.0	.019								
Molybdenum	1.0	.02								
Nickel	4.0	.028								
Potassium	250	2								
Selenium	1.0	.29								
Silver	2.0	.019								
Sodium	250	3.9								
Strontium	1.0	.009								
Thallium	0.50	.016								
Tin	1.0	.039								
Titanium	1.0	.034								
Vanadium	4.0	.11								
Zinc	10	.29								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050216W2.CSV Date Analyzed: 05/02/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA39312 Units: ug/l

Time:			15:33	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	50	.1		
Antimony	2.0	.12		
Arsenic	1.0	.38		
Barium	1.0	.011		
Beryllium	0.30	.004		
Boron	50	3.2		
Cadmium	0.50	.008		
Calcium	250	2.7		
Chromium	4.0	.019		
Cobalt	0.50	.003		
Copper	4.0	.02	anr	
Iron	50	1.1		
Lead	0.50	.009	0.043	<0.50
Magnesium	250	.17		
Manganese	1.0	.019		
Molybdenum	1.0	.02		
Nickel	4.0	.028		
Potassium	250	2		
Selenium	1.0	.29		
Silver	2.0	.019		
Sodium	250	3.9		
Strontium	1.0	.009		
Thallium	0.50	.016		
Tin	1.0	.039		
Titanium	1.0	.034		
Vanadium	4.0	.11		
Zinc	10	.29		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050216W2.CSV Date Analyzed: 05/02/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39312 Units: ug/l

Time:		12:02			12:05			12:15	
Sample ID:	ICVA	ICVA1		ICV	ICV1		CCVA	CCVA1	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper	anr								
Iron									
Lead	60	59.7	99.5				50	54.9	109.8
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050216W2.CSV Date Analyzed: 05/02/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39312 Units: ug/l

Time:		12:50			13:23			14:00	
Sample ID:	CCVA	CCVA2		CCVA	CCVA3		CCVA	CCVA4	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper	anr								
Iron									
Lead	50	48.2	96.4	50	48.0	96.0	50	48.1	96.2
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050216W2.CSV Date Analyzed: 05/02/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39312 Units: ug/l

Time:		14:27			14:40			15:16	
Sample ID:	CCVA	CCVA5		CCVA	CCVA6		CCVA	CCVA7	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper	anr								
Iron									
Lead	50	48.2	96.4	50	48.5	97.0	50	48.6	97.2
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050216W2.CSV Date Analyzed: 05/02/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39312 Units: ug/l

Time:		15:29	
Sample ID:	CCVA	CCVA8	
Metal	True	Results	% Rec
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Boron			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper	anr		
Iron			
Lead	50	48.7	97.4
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050216W2.CSV Date Analyzed: 05/02/16 Methods: EPA 200.8
QC Limits: 70 to 130 % Recovery Run ID: MA39312 Units: ug/l

Time:			12:12	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Aluminum	25	25		
Antimony	2.0	0.25		
Arsenic	0.50	1.0		
Barium	1.0	0.50		
Beryllium	0.50	0.30		
Boron	25	2.5		
Cadmium	0.50	0.25		
Calcium	250	125		
Chromium	1.0	2.0		
Cobalt	0.50	0.25		
Copper	2.0	2.0	anr	
Iron	25	25		
Lead	0.50	0.25	0.50	100.0
Magnesium	250	125		
Manganese	0.50	0.25		
Molybdenum	1.0	0.50		
Nickel	1.0	2.0		
Potassium	250	125		
Selenium	0.50	1.0		
Silver	0.50	1.0		
Sodium	250	125		
Strontium	5.0	0.50		
Thallium	0.50	0.25		
Tin	5.0	0.50		
Titanium	1.0	0.50		
Vanadium	1.0	2.0		
Zinc	5.0	2.0		

(*) Outside of QC limits
(anr) Analyte not requested

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050416W1.CSV Date Analyzed: 05/04/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39328
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:32	MA39328-STD1	1		STDA
09:36	MA39328-STD2	1		STDA
09:39	MA39328-STD3	1		STDA
09:42	MA39328-STD4	1		STDB1
09:45	MA39328-STD5	1		STDB
09:48	MA39328-STD6	1		STDC
09:52	MA39328-STD7	1		STDD
09:55	MA39328-STD8	1		STDE
09:58	MA39328-STD9	1		STDF
10:02	MA39328-STD10	1		STDG
10:05	MA39328-STD11	1		STDH
10:08	MA39328-STD12	1		STDI
10:12	MA39328-STD13	1		STDJ
10:16	ZZZZZZ	1		
10:19	MA39328-ICVA1	1		
10:23	MA39328-ICV1	1		60ppb Al.
10:26	MA39328-ICB1	1		
10:29	MA39328-CRI1	1		
10:32	MA39328-CRIA1	1		Be, As and Se
10:36	MA39328-CCVA1	1		
10:39	MA39328-CCB1	1		
10:43	MP93360-MB2	1		
10:47	MP93360-B2	1		
10:50	ZZZZZZ	1		
10:53	ZZZZZZ	1		
10:56	JC19412-4	1		
11:00	JC19412-5	1		
---------->	Last reportable sample/prep for job JC19412			
11:03	MA39328-CCVA2	1		
11:07	MA39328-CCB2	1		
---------->	Last reportable CCB for job JC19412			
	Refer to raw data for calibration curve and standards.			

INTERNAL STANDARD SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050416W1.CSV Date Analyzed: 05/04/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39328
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
09:32	MA39328-STD1	100	100	100	100	100	100	100	100
09:36	MA39328-STD2	100	100	100	100	100	100	100	100
09:39	MA39328-STD3	100	100	100	100	100	100	100	100
09:42	MA39328-STD4	102.892	100.417	100.803	100.932	101.186	100.947	101.425	101.551
09:45	MA39328-STD5	101.238	100.622	100.488	101.114	100.11	100.683	100.813	100.425
09:48	MA39328-STD6	101.917	100.235	101.031	101.138	100.553	100.053	101.682	102.251
09:52	MA39328-STD7	103.117	100.414	100.48	101.121	101.527	100.767	102.92	102.298
09:55	MA39328-STD8	101.585	100.266	100.999	101.073	100.954	100.732	101.406	101.539
09:58	MA39328-STD9	102.793	100.261	100.341	100.797	100.812	100.509	102.329	102.147
10:02	MA39328-STD10	102.045	98.82	99.279	98.79	99.344	100.077	101.344	101.421
10:05	MA39328-STD11	101.876	99.631	99.756	99.996	99.098	100.693	101.156	101.403
10:08	MA39328-STD12	100.33	99.123	100.449	99.606	97.981	98.872	101.61	102.499
10:12	MA39328-STD13	100.171	98.462	100.622	98.269	97.739	98.48	102.375	102.779
10:16	ZZZZZZ	101.139	98.85	99.731	99.24	101.027	101.116	102.08	101.809
10:19	MA39328-ICVA1	101.073	99.611	101.261	100.086	99.028	99.956	103.147	103.46
10:23	MA39328-ICV1	100.593	98.564	98.909	100.119	100.741	100.676	101.006	101.178
10:26	MA39328-ICB1	100.401	99.255	99.867	100.248	100.95	101.004	101.487	101.988
10:29	MA39328-CRI1	101.805	99.682	99.452	100.124	101.449	101.368	102.976	102.872
10:32	MA39328-CRIA1	100.391	99.551	100.297	100.668	100.333	100.931	101.967	101.917
10:36	MA39328-CCVA1	99.92	98.336	101.171	99.801	98.694	99.125	101.76	102.53
10:39	MA39328-CCB1	100.579	98.027	97.829	99.652	99.908	100.71	102.333	102.38
10:43	MP93360-MB2	104.743	100.807	102.394	102.157	103.6	103.395	104.191	105.322
10:47	MP93360-B2	100.954	99.798	100.527	101.543	100.576	100.978	103.114	103.92
10:50	ZZZZZZ	100.834	98.517	98.639	99.406	100.488	100.671	101.545	102.312
10:53	ZZZZZZ	102.268	99.204	99.634	100.204	99.229	102.216	104.931	105.727
10:56	JC19412-4	95.783	94.021	95.344	94.73	93.224	95.545	100.984	101.085
11:00	JC19412-5	99.17	97.055	97.192	97.749	95.489	97.907	102.36	103.148
11:03	MA39328-CCVA2	100.405	96.863	98.934	98.379	97.808	98.952	103.3	104.129
11:07	MA39328-CCB2	100.923	97.517	98.505	98.604	99.673	100.018	101.694	102.447

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Lithium	60-125 %
Istd#2	Scandium	60-125 %
Istd#3	Germanium (72-1)	60-125 %
Istd#4	Germanium (74-1)	60-125 %
Istd#5	Rhodium	60-125 %

INTERNAL STANDARD SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050416W1.CSV Date Analyzed: 05/04/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39328
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8

Istd#8 Indium 60-125 %
Istd#7 Terbium 60-125 %
Istd#8 Holmium 60-125 %

INTERNAL STANDARD SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050416W1.CSV Date Analyzed: 05/04/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39328
Parameters: Pb

Time	Sample Description	Istd#9
09:32	MA39328-STD1	100
09:36	MA39328-STD2	100
09:39	MA39328-STD3	100
09:42	MA39328-STD4	100.962
09:45	MA39328-STD5	100.33
09:48	MA39328-STD6	101.471
09:52	MA39328-STD7	103.181
09:55	MA39328-STD8	101.621
09:58	MA39328-STD9	103.126
10:02	MA39328-STD10	100.843
10:05	MA39328-STD11	100.902
10:08	MA39328-STD12	99.385
10:12	MA39328-STD13	99.58
10:16	ZZZZZZ	101.999
10:19	MA39328-ICVA1	102.309
10:23	MA39328-ICV1	100.867
10:26	MA39328-ICB1	102.317
10:29	MA39328-CRI1	102.672
10:32	MA39328-CRIA1	102.31
10:36	MA39328-CCVA1	100.787
10:39	MA39328-CCB1	102.031
10:43	MP93360-MB2	106.636
10:47	MP93360-B2	103.268
10:50	ZZZZZZ	102.105
10:53	ZZZZZZ	103.856
10:56	JC19412-4	98.272
11:00	JC19412-5	99.738
11:03	MA39328-CCVA2	101.856
11:07	MA39328-CCB2	102.578

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#9	Bismuth	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050416W1.CSV Date Analyzed: 05/04/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA39328 Units: ug/l

Time:			10:26		10:39		11:07	
Sample ID:			ICB1		CCB1		CCB2	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	50	.1						
Antimony	2.0	.12						
Arsenic	1.0	.38						
Barium	1.0	.011						
Beryllium	0.30	.004						
Boron	50	3.2						
Cadmium	0.50	.008						
Calcium	250	2.7						
Chromium	4.0	.019						
Cobalt	0.50	.003						
Copper	4.0	.02	anr					
Iron	50	1.1						
Lead	0.50	.009	0.0024	<0.50	0.0079	<0.50	0.020	<0.50
Magnesium	250	.17						
Manganese	1.0	.019						
Molybdenum	1.0	.02						
Nickel	4.0	.028						
Potassium	250	2						
Selenium	1.0	.29						
Silver	2.0	.019						
Sodium	250	3.9						
Strontium	1.0	.009						
Thallium	0.50	.016						
Tin	1.0	.039						
Titanium	1.0	.034						
Vanadium	4.0	.11						
Zinc	10	.29						

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050416W1.CSV Date Analyzed: 05/04/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39328 Units: ug/l

Time:		10:19			10:23			10:36	
Sample ID:	ICVA	ICVA1		ICV	ICV1		CCVA	CCVA1	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper	anr								
Iron									
Lead	60	59.2	98.7				50	50.0	100.0
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050416W1.CSV Date Analyzed: 05/04/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39328 Units: ug/l

Time:		11:03	
Sample ID:	CCVA	CCVA2	
Metal	True	Results	% Rec
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Boron			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper	anr		
Iron			
Lead	50	50.1	100.2
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

File ID: XB050416W1.CSV Date Analyzed: 05/04/16 Methods: EPA 200.8
QC Limits: 70 to 130 % Recovery Run ID: MA39328 Units: ug/l

Time:			10:29		10:32	
Sample ID:	CRI	CRIA	CRI1		CRIA1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	25	25				
Antimony	2.0	0.25				
Arsenic	0.50	1.0				
Barium	1.0	0.50				
Beryllium	0.50	0.30				
Boron	25	2.5				
Cadmium	0.50	0.25				
Calcium	250	125				
Chromium	1.0	2.0				
Cobalt	0.50	0.25				
Copper	2.0	2.0	anr			
Iron	25	25				
Lead	0.50	0.25	0.51	102.0		
Magnesium	250	125				
Manganese	0.50	0.25				
Molybdenum	1.0	0.50				
Nickel	1.0	2.0				
Potassium	250	125				
Selenium	0.50	1.0				
Silver	0.50	1.0				
Sodium	250	125				
Strontium	5.0	0.50				
Thallium	0.50	0.25				
Tin	5.0	0.50				
Titanium	1.0	0.50				
Vanadium	1.0	2.0				
Zinc	5.0	2.0				

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

QC Batch ID: MP93360 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 05/03/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	0.050	.0001	.00074		
Antimony	0.0020	.00012	.00021		
Arsenic	0.0010	.00038	.00081		
Barium	0.0010	.000011	.000044		
Beryllium	0.00030	.000004	.000079		
Boron	0.050	.0032			
Cadmium	0.00050	.000008	.000041		
Calcium	0.25	.0027	.0075		
Chromium	0.0040	.000019	.00018		
Cobalt	0.00050	.000003	.000014		
Copper	0.0040	.00002	.0012		
Iron	0.050	.0011	.009		
Lead	0.00050	.000009	.000018	0.000017	<0.00050
Magnesium	0.25	.00017	.00051		
Manganese	0.0010	.000019	.00006		
Molybdenum	0.0010	.00002	.000059		
Nickel	0.0040	.000028	.00023		
Potassium	0.25	.002	.015		
Selenium	0.0010	.00029	.00051		
Silver	0.0020	.000019	.000022		
Sodium	0.25	.0039	.015		
Strontium	0.0010	.000009	.000014		
Thallium	0.00050	.000016	.0001		
Tin	0.0010	.000039	.000043		
Titanium	0.0010	.000034	.00038		
Vanadium	0.0040	.00011	.00082		
Zinc	0.010	.00029	.00061		

Associated samples MP93360: JC19412-4, JC19412-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

QC Batch ID: MP93360 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/27/16

Metal	JC18908-1 Original MS		Spikelot MPXDW7	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper	anr				
Iron					
Lead	0.00052	0.10	0.10	99.5	70-130
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP93360: JC19412-4, JC19412-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

QC Batch ID: MP93360 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/27/16

Metal	JC18908-1 Original	MSD	Spikelot MPXDW7	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	anr					
Iron						
Lead	0.00052	0.099	0.10	98.5	1.0	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP93360: JC19412-4, JC19412-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

QC Batch ID: MP93360 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 05/03/16

Metal	BSP Result	Spikelot MPXDW7	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper	anr			
Iron				
Lead	0.098	0.10	98.0	85-115
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP93360: JC19412-4, JC19412-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

QC Batch ID: MP93459 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 05/02/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	0.050	.0001	.00074		
Antimony	0.0020	.00012	.00021		
Arsenic	0.0010	.00038	.00081		
Barium	0.0010	.000011	.000044		
Beryllium	0.00030	.000004	.000079		
Boron	0.050	.0032			
Cadmium	0.00050	.000008	.000041		
Calcium	0.25	.0027	.0075		
Chromium	0.0040	.000019	.00018		
Cobalt	0.00050	.000003	.000014		
Copper	0.0040	.00002	.0012		
Iron	0.050	.0011	.009		
Lead	0.00050	.000009	.000018	0.000018	<0.00050
Magnesium	0.25	.00017	.00051		
Manganese	0.0010	.000019	.00006		
Molybdenum	0.0010	.00002	.000059		
Nickel	0.0040	.000028	.00023		
Potassium	0.25	.002	.015		
Selenium	0.0010	.00029	.00051		
Silver	0.0020	.000019	.000022		
Sodium	0.25	.0039	.015		
Strontium	0.0010	.000009	.000014		
Thallium	0.00050	.000016	.0001		
Tin	0.0010	.000039	.000043		
Titanium	0.0010	.000034	.00038		
Vanadium	0.0040	.00011	.00082		
Zinc	0.010	.00029	.00061		

Associated samples MP93459: JC19412-1, JC19412-2, JC19412-3, JC19412-6, JC19412-7, JC19412-8, JC19412-9, JC19412-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

QC Batch ID: MP93459 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 05/02/16

Metal	JC19412-1 Original	MS	Spikelot MPXDW7	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead	0.0069	0.11	0.10	103.1	70-130
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP93459: JC19412-1, JC19412-2, JC19412-3, JC19412-6, JC19412-7, JC19412-8, JC19412-9, JC19412-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

QC Batch ID: MP93459 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 05/02/16

Metal	JC19412-1 Original	MSD	Spikelot MPXDW7	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	0.0069	0.11	0.10	103.1	0.0	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP93459: JC19412-1, JC19412-2, JC19412-3, JC19412-6, JC19412-7, JC19412-8, JC19412-9, JC19412-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

QC Batch ID: MP93459
Matrix Type: DRINKING WATER

Methods: EPA 200.8
Units: mg/l

Prep Date: 05/02/16

Metal	BSP Result	Spikelot MPXDW7	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	0.094	0.10	94.0	85-115
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP93459: JC19412-1, JC19412-2, JC19412-3, JC19412-6, JC19412-7, JC19412-8, JC19412-9, JC19412-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

QC Batch ID: MP93460 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 05/02/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	0.050	.0001	.00074		
Antimony	0.0020	.00012	.00021		
Arsenic	0.0010	.00038	.00081		
Barium	0.0010	.000011	.000044		
Beryllium	0.00030	.000004	.000079		
Boron	0.050	.0032			
Cadmium	0.00050	.000008	.000041		
Calcium	0.25	.0027	.0075		
Chromium	0.0040	.000019	.00018		
Cobalt	0.00050	.000003	.000014		
Copper	0.0040	.00002	.0012		
Iron	0.050	.0011	.009		
Lead	0.00050	.000009	.000018	0.000040	<0.00050
Magnesium	0.25	.00017	.00051		
Manganese	0.0010	.000019	.00006		
Molybdenum	0.0010	.00002	.000059		
Nickel	0.0040	.000028	.00023		
Potassium	0.25	.002	.015		
Selenium	0.0010	.00029	.00051		
Silver	0.0020	.000019	.000022		
Sodium	0.25	.0039	.015		
Strontium	0.0010	.000009	.000014		
Thallium	0.00050	.000016	.0001		
Tin	0.0010	.000039	.000043		
Titanium	0.0010	.000034	.00038		
Vanadium	0.0040	.00011	.00082		
Zinc	0.010	.00029	.00061		

Associated samples MP93460: JC19412-11, JC19412-12, JC19412-13, JC19412-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

QC Batch ID: MP93460 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 05/02/16

Metal	JC19412-12 Original	MS	Spikelot MPXDW7	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead	0.0045	0.11	0.10	105.5	70-130
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP93460: JC19412-11, JC19412-12, JC19412-13, JC19412-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

QC Batch ID: MP93460 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 05/02/16

Metal	JC19412-12 Original	MSD	Spikelot MPXDW7	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	0.0045	0.11	0.10	105.5	0.0	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP93460: JC19412-11, JC19412-12, JC19412-13, JC19412-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC19412
Account: PARS - PARS Environmental Services
Project: WWP Schools-Maurice Hawk, 303-305 Clarksville Road, West Windsor, NJ

QC Batch ID: MP93460 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 05/02/16

Metal	BSP Result	Spikelot MPXDW7	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	0.094	0.10	94.0	85-115
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP93460: JC19412-11, JC19412-12, JC19412-13, JC19412-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

APPENDIX D
LABORATORY CERTIFICATION

State of New Jersey

Department of Environmental Protection

Certifies That

SGS Accutest Inc. – Wheat Ridge

Laboratory Certification ID # CO007

is hereby approved as a

Nationally Accredited Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List which must accompany this certificate to be valid

having duly met the requirements of the

Regulations Governing the Certification of Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the 2009 TNI Standard approved by the

The NELAC Institute

Expires June 30, 2016

Joseph F. Aiello
Assistant Director

NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

State of New Jersey

Department of Environmental Protection

Certifies That

SGS Accutest Inc. - Dayton

Laboratory Certification ID # 12129

is hereby approved as a

Nationally Accredited Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List which must accompany this certificate to be valid

having duly met the requirements of the

Regulations Governing the Certification of Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the 2009 TNI Standard approved by the

The NELAC Institute

Expires June 30, 2016

Michele M. Potte for JFA

Joseph F. Aiello
Assistant Director

NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

PARS
Environmental
Inc.

LEAD IN DRINKING WATER TESTING REPORT

WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
MILLSTONE RIVER ELEMENTARY SCHOOL
75 GROVERS MILL ROAD
PLAINSBORO, NEW JERSEY 08536

PREPARED FOR

West Windsor-Plainsboro Regional School District
505 Village Road West
PO Box 505
West Windsor, New Jersey 08550

PREPARED BY

PARS Environmental, Inc.
500 Horizon Drive, Suite 540
Robbinsville, New Jersey 08691
Tel: 609-890-7277
Fax: 609-890-9116

PARS Project No. 565-84

April 2016

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EXECUTIVE SUMMARY

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at the Millstone River Elementary School (MRES). PARS conducted the lead in drinking water testing on March 24, 2016. The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the United States Environmental Protection Agency (USEPA) *3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance (USEPA 3Ts)*. PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

FINDINGS

The USEPA National Primary Drinking Water Regulations requires that immediate action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 milligrams per liter (mg/l). Exceedance of the 0.015 mg/l action level was not identified in MRES. A total of 10 water samples were collected and analyzed.

Based on the laboratory analytical results, no further investigation is warranted at this time. PARS recommends periodic testing per state and federal regulations.

1.0 INTRODUCTION

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at the Millstone River Elementary School (MRES). The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the *USEPA 3Ts*. PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

Sampling methodology is described in Section 2.0, the Lead in Drinking Water Findings are discussed in Section 3.0, and the Conclusions and Recommendations are presented in Section 4.0. A list of the sample locations and results are provided in **Table 1**. The Laboratory Analytical Report and Laboratory NELAC Certification are provided in **Appendix A** and **B**, respectively.

This report is intended for the sole use of WWP. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations, is at risk of said user.

2.0 LEAD IN DRINKING WATER SAMPLING

PARS conducted lead in drinking water testing at the MRES on March 24, 2016. The lead in drinking water sampling was conducted by Christa Casciolini and Melissa Konieczny of PARS.

PARS performed lead in drinking water testing at a total of six (6) drinking water fountains (bubbler and cooler units) and four (4) faucets in the nurse's office, kitchen, and classroom locations in the elementary school.

All samples were collected following the USEPA First Draw sampling protocol. The First Draw sample collection occurred in the morning prior to the facility opening and before any water was drawn in the building, including toilet flushing. The water was unused for six (6) to eight (8) hours prior to collection. Arrangements were made to sample the water outlets prior to the arrival of teachers and students.

The samples were placed in pre-preserved plastic bottles and submitted for laboratory analysis to SGS Accutest for two-week turnaround. SGS Accutest is a New Jersey Department of Environmental Protection (NJDEP) certified laboratory for lead in drinking water (NELAC #CO007). All samples were analyzed using USEPA Method 200.8 for the determination of trace elements in waters and wastes by inductively coupled plasma – mass spectrometry (ICP-MS). Chain-of-custody protocols were followed.

3.0 LEAD IN DRINKING WATER FINDINGS

Based on the laboratory analytical results, lead concentrations exceeding 0.015 mg/l action level were not identified in the 10 water samples collected at MRES.

Lead in drinking water tabulated results for the MRES are provided in **Table 1**. The laboratory analytical report is included in **Appendix A.** The laboratory certification is included in **Appendix B**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

A total of six (6) drinking water fountains and four (4) faucets in the nurse's office, kitchen, and classroom locations were tested at the MRES. The USEPA recommends that action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 mg/l. None of the 10 outlets sampled in the MRES exceeded the 0.015 mg/l action level.

Based on the laboratory analytical results, no further investigation is warranted at this time. PARS recommends periodic testing per state and federal regulations.

-o0o-

PARS appreciates the opportunity to assist West Windsor-Plainsboro Regional School District with this project. Should you have any questions or comments please feel free to contact us at (609) 890-7277.

Respectfully submitted,

PARS ENVIRONMENTAL, INC.

Christa M. Casciolini
Project Geologist

Margaret Halasnik
Principal Industrial Hygienist

TABLE 1
DRINKING WATER RESULTS TABLE

TABLE 1
LEAD IN DRINKING WATER TESTING REPORT
WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
MILLSTONE RIVER ELEMENTARY SCHOOL
APRIL 2016

All samples are primary (first draw) samples.
All faucets sampled are cold water, unless noted.
EPA Action limit = 0.015 milligrams per liter (mg/l)

School:	**Millstone River Elementary School**
Sampling Date:	**3/24/2016**

Exceeds EPA Action Limit (> 0.015 mg/l)
Hit = result > 0.00050 detection limit

Accutest Mountain States											**Apr 05, 2016 15:05 pm**
Job Number:	**D81107**										
Account:	**PARS Environmental Services**										
Project:	**WWP Regional, West Windsor-Plainsboro, NJ**										
Project Number:	**MRE**										
										Legend:	Hit

Client Sample ID:		**MRE-01-NUR-NS-P**	**MRE-01-KIT-KC-P**	**MRE-01-A121-TF-P**	**MRE-01-A109-DW-P**	**MRE-01-A145-DW-P**	**MRE-01-A124H-WC-P**	**MRE-01-B124H-WC-P**	**MRE-01-B121-TF-P**	**MRE-01-B108-DW-P**	**MRE-01-B153-DW-P**
Lab Sample ID:		**D81107-1**	**D81107-2**	**D81107-3**	**D81107-4**	**D81107-5**	**D81107-6**	**D81107-7**	**D81107-8**	**D81107-9**	**D81107-10**
Date Sampled:		**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**
Matrix:		**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**
Metals Analysis											
Lead	mg/l	<0.00050	0.00075	<0.00050	0.00056	<0.00050	<0.00050	0.00058	<0.00050	0.00069	0.002

Client Sample ID Format: School-Floor-Room-Outlet-Sample Type

Floor:
- 01 = First floor
- 02 = Second floor

Room:
- ### = Room number ###
- ###-### = Sample between room number ### and room #
- H### = Hallway by room number ###
- BL = Boy's locker room
- CAF = Cafeteria
- FR = Faculty room
- GL = Girl's locker room
- KIT = Kitchen
- MGYM = Main gym
- MO = Main office
- NUR = Nurse's office
- SGYM = Small gym
- TGL = Team girl's locker room
- TL = Teacher's lounge
- TP = Teacher's prep room
- PLR = Pool Locker room

Outlet:
- BF = Bathroom faucet
- CF = Classroom faucet
- DW= Drinking water bubbler
- EC = Home economics room, cold
- KC = Kitchen faucet, cold
- LC = Lounge faucet, cold
- NS = Nurse's office sink
- WC = Water cooler (chiller unit)
- TF or TS = Teacher's faucet or Teacher's sink

Sample Type:
- P = Primary (first draw) sample
- F = Flush sample

APPENDIX A
LABORATORY ANALYTICAL REPORT

e-Hardcopy 2.0
Automated Report

Technical Report for

PARS Environmental Services

WWP Regional, West Windsor-Plainsboro, NJ

MRE

SGS Accutest Job Number: D81107

Sampling Date: 03/24/16

Report to:

PARS Environmental, Inc.
500 Horizon Drive Suite 540
Robbinsville, NJ 08691
ccasciolini@ParsEnviro.com

ATTN: Crista Casciolini

Total number of pages in report: **30**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Cristina Araujo 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY
CO (CO00049), EPA 515.4 Provisional

Sections: 1 2 3 4 5 6

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Sample Summary

PARS Environmental Services

Job No: D81107

WWP Regional, West Windsor-Plainsboro, NJ
Project No: MRE

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D81107-1	03/24/16	09:48	MK	03/25/16	DW	Drinking Water	MRE-01-NUR-NS-P
D81107-2	03/24/16	09:53	MK	03/25/16	DW	Drinking Water	MRE-01-KIT-KC-P
D81107-3	03/24/16	10:00	MK	03/25/16	DW	Drinking Water	MRE-01-A121-TF-P
D81107-4	03/24/16	10:05	MK	03/25/16	DW	Drinking Water	MRE-01-A109-DW-P
D81107-5	03/24/16	10:09	MK	03/25/16	DW	Drinking Water	MRE-01-A145-DW-P
D81107-6	03/24/16	10:14	MK	03/25/16	DW	Drinking Water	MRE-01-A124H-WC-P
D81107-7	03/24/16	10:18	MK	03/25/16	DW	Drinking Water	MRE-01-B124H-WC-P
D81107-8	03/24/16	10:24	MK	03/25/16	DW	Drinking Water	MRE-01-B121-TF-P
D81107-9	03/24/16	10:28	MK	03/25/16	DW	Drinking Water	MRE-01-B108-DW-P
D81107-10	03/24/16	10:31	MK	03/25/16	DW	Drinking Water	MRE-01-B153-DW-P

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	PARS Environmental Services	**Job No**	D81107
Site:	WWP Regional, West Windsor-Plainsboro, NJ	**Report Date**	4/5/2016 2:28:13 PM

On 03/25/2016, 10 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 2.4 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D81107 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Metals By Method EPA 200.8

Matrix DW **Batch ID:** MP18359

- All samples were digested and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D81107-1MS, D81107-1MSD were used as the QC samples for the metals analysis.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Summary of Hits

Job Number: D81107
Account: PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ
Collected: 03/24/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D81107-1	**MRE-01-NUR-NS-P**					
No hits reported in this sample.						
D81107-2	**MRE-01-KIT-KC-P**					
Lead		0.00075	0.00050		mg/l	EPA 200.8
D81107-3	**MRE-01-A121-TF-P**					
No hits reported in this sample.						
D81107-4	**MRE-01-A109-DW-P**					
Lead		0.00056	0.00050		mg/l	EPA 200.8
D81107-5	**MRE-01-A145-DW-P**					
No hits reported in this sample.						
D81107-6	**MRE-01-A124H-WC-P**					
No hits reported in this sample.						
D81107-7	**MRE-01-B124H-WC-P**					
Lead		0.00058	0.00050		mg/l	EPA 200.8
D81107-8	**MRE-01-B121-TF-P**					
No hits reported in this sample.						
D81107-9	**MRE-01-B108-DW-P**					
Lead		0.00069	0.00050		mg/l	EPA 200.8
D81107-10	**MRE-01-B153-DW-P**					
Lead		0.0020	0.00050		mg/l	EPA 200.8

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MRE-01-NUR-NS-P		
Lab Sample ID:	D81107-1	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/01/16	04/05/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7182
(2) Prep QC Batch: MP18359

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	MRE-01-KIT-KC-P		
Lab Sample ID:	D81107-2	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.00075	0.015	0.00050	mg/l	1	04/01/16	04/05/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7182
(2) Prep QC Batch: MP18359

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	MRE-01-A121-TF-P		
Lab Sample ID:	D81107-3	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/01/16	04/05/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7182
(2) Prep QC Batch: MP18359

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	MRE-01-A109-DW-P		
Lab Sample ID:	D81107-4	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.00056	0.015	0.00050	mg/l	1	04/01/16	04/05/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7182
(2) Prep QC Batch: MP18359

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	MRE-01-A145-DW-P		
Lab Sample ID:	D81107-5	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/01/16	04/05/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7182
(2) Prep QC Batch: MP18359

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	MRE-01-A124H-WC-P		
Lab Sample ID:	D81107-6	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/01/16	04/05/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7182
(2) Prep QC Batch: MP18359

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	MRE-01-B124H-WC-P		
Lab Sample ID:	D81107-7	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.00058	0.015	0.00050	mg/l	1	04/01/16	04/05/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7182
(2) Prep QC Batch: MP18359

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	MRE-01-B121-TF-P		
Lab Sample ID:	D81107-8	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/01/16	04/05/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7182
(2) Prep QC Batch: MP18359

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	MRE-01-B108-DW-P		
Lab Sample ID:	D81107-9	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.00069	0.015	0.00050	mg/l	1	04/01/16	04/05/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7182
(2) Prep QC Batch: MP18359

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	MRE-01-B153-DW-P		
Lab Sample ID:	D81107-10	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0020	0.015	0.00050	mg/l	1	04/01/16	04/05/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7182
(2) Prep QC Batch: MP18359

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS ACCUTEST

CHAIN OF CUSTODY

PAGE 1 OF 1

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: D81107

Client / Reporting Information

Company Name: PARS
Street Address: 500 Horizon Dr., Suite 540
City: Robbinsville State: NJ Zip: 08691
Project Contact: Christa Cassiolini E-mail: ccassiolini@parsenviro.com
Phone #: 609-890-7277 Fax #:
Sampler(s) Name(s): Phone #:

Project Information

Project Name: WWP Regional - MRE
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

DW
Pb
200.8

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: Hcl	NaOH	HNO3	H2SO4	NONE	DI Water	MeOH	EnCore	LAB USE ONLY
	MRE-01-NUR-NS-P		3/24/16	9:48	MK		1			1						01
	MRE-01-K.T-KC-P			9:53	MK		1			1						02
	MRE-01-A121-TF-P			10:00	MK		1			1						03
	MRE-01-A109-DW-P			10:05	MK		1			1						04
	MRE-01-A148-DW-P			10:09	MK		1			1						05
	MRE-01-A124H-WE-P			10:14	MK		1			1						06
	MRE-01-B124H-WE-P			10:18	MK		1			1						07
	MRE-01-B121-TF-P			10:24	MK		1			1						08
	MRE-01-B108-DW-P			10:28	MK		1			1						09
	MRE-01-B153-DW-P			10:31	MK		1			1						10

Turnaround Time (Business days)

Approved By (SGS Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [x] other 2 week

Emergency & Rush T/A data available VIA Labnet

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULL T1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Inventory is performed upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	C Cassiolini	3/24/16 9:00	1	2	3/24/16	2 3/25/16 11:30
3			3	4		4
5			5			

Custody Seal #: 338 Intact Not Intact Preserved where applicable On Ice Cooler Temp: 1.9°C

SGS Accutest Sample Receipt Summary

Job Number: D81107 **Client:** PARS **Project:** WWP REGIONAL MRE

Date / Time Received: 3/25/2016 11:30:00 AM **Delivery Method:** **Airbill #'s:** fx

Cooler Temps (Initial/Adjusted): #1: (2.4/2.4);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Bar Therm;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Comments

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

D81107: Chain of Custody
Page 2 of 2

Metals Analysis

6

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81107
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA040416DW.REP Date Analyzed: 04/05/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7182
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:42	MA7182-STD1	1		STDBLK
09:45	MA7182-STD2	1		STD1
09:48	MA7182-STD3	1		STD2
09:51	MA7182-STD4	1		STD3
09:54	MA7182-CRI1	1		
09:57	MA7182-ICV1	1		
10:00	MA7182-ICB1	1		
10:03	MA7182-CCV1	1		
10:06	MA7182-CCB1	1		
10:09	MP18359-MB1	1		
10:12	MP18359-B1	1		
10:16	D81107-1	1		
10:19	MP18359-S1	1		
10:22	MP18359-S2	1		
10:25	D81107-2	1		
10:28	D81107-3	1		
10:31	D81107-4	1		
10:34	D81107-5	1		
10:37	MA7182-CCV2	1		
10:40	MA7182-CCB2	1		
10:43	D81107-6	1		
10:47	D81107-7	1		
10:50	D81107-8	1		
10:53	D81107-9	1		
10:56	D81107-10	1		
---------->	Last reportable sample/prep for job D81107			
10:59	MA7182-CCV3	1		
11:02	MA7182-CCB3	1		
---------->	Last reportable CCB for job D81107			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: D81107
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA040416DW.REP Date Analyzed: 04/05/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7182
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
09:42	MA7182-STD1	417554 R	434791 R
09:45	MA7182-STD2	399793	420384
09:48	MA7182-STD3	401484	401380
09:51	MA7182-STD4	382096	394753
09:54	MA7182-CRI1	379276	390574
09:57	MA7182-ICV1	390135	394546
10:00	MA7182-ICB1	382371	389910
10:03	MA7182-CCV1	389444	381312
10:06	MA7182-CCB1	379725	386595
10:09	MP18359-MB1	375566	368006
10:12	MP18359-B1	370943	357574
10:16	D81107-1	358471	342555
10:19	MP18359-S1	362401	344710
10:22	MP18359-S2	361257	345219
10:25	D81107-2	353747	337549
10:28	D81107-3	351663	333304
10:31	D81107-4	343017	326267
10:34	D81107-5	360237	341928
10:37	MA7182-CCV2	396469	381373
10:40	MA7182-CCB2	378709	379850
10:43	D81107-6	350378	329781
10:47	D81107-7	343745	329712
10:50	D81107-8	351305	328050
10:53	D81107-9	351196	332258
10:56	D81107-10	351732	335005
10:59	MA7182-CCV3	396667	378523
11:02	MA7182-CCB3	371230	369368

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %
Istd#2	Bismuth	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81107
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA040416DW.REP Date Analyzed: 04/05/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7182 Units: ug/l

Time:			10:00		10:06		10:40		11:02	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Copper	2.0	.06								
Lead	0.50	.0079	0.0040	<0.50	0.0030	<0.50	0.0080	<0.50	0.0050	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81107
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA040416DW.REP Date Analyzed: 04/05/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7182 Units: ug/l

Time:		09:57			10:03			10:37	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper									
Lead	100	99.6	99.6	50	51.3	102.6	50	50.5	101.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81107
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA040416DW.REP Date Analyzed: 04/05/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7182 Units: ug/l

Time:		10:59	
Sample ID:	CCV	CCV3	
Metal	True	Results	% Rec
Copper			
Lead	50	49.1	98.2

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: D81107
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA040416DW.REP Date Analyzed: 04/05/16 Methods: EPA 200.8
QC Limits: 50 to 150 % Recovery Run ID: MA7182 Units: ug/l

Time:			09:54	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Copper	2.0	2.0		
Lead	0.50	0.50	0.53	106.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D81107
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18359 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/01/16

Metal	RL	IDL	MDL	MB raw	final
Copper	0.0020	.00006	.00014		
Lead	0.00050	.0000079	.00001	0.0000090	<0.00050

Associated samples MP18359: D81107-1, D81107-2, D81107-3, D81107-4, D81107-5, D81107-6, D81107-7, D81107-8, D81107-9, D81107-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81107
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18359 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/01/16

Metal	D81107-1 Original	MS	Spikelot ICPALL2	% Rec	QC Limits
Copper					
Lead	0.00022	0.18	0.20	89.9	70-130

Associated samples MP18359: D81107-1, D81107-2, D81107-3, D81107-4, D81107-5, D81107-6, D81107-7, D81107-8, D81107-9, D81107-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81107
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18359 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/01/16

Metal	D81107-1 Original	MSD	Spikelot ICPALL2	% Rec	MSD RPD	QC Limit
Copper						
Lead	0.00022	0.18	0.20	89.9	0.0	20

Associated samples MP18359: D81107-1, D81107-2, D81107-3, D81107-4, D81107-5, D81107-6, D81107-7, D81107-8, D81107-9, D81107-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D81107
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18359 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/01/16

Metal	BSP Result	Spikelot ICPALL2	% Rec	QC Limits
Copper				
Lead	0.20	0.20	100.0	85-115

Associated samples MP18359: D81107-1, D81107-2, D81107-3, D81107-4, D81107-5, D81107-6, D81107-7, D81107-8, D81107-9, D81107-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

APPENDIX B
LABORATORY CERTIFICATION

State of New Jersey

Department of Environmental Protection

Certifies That

SGS Accutest Inc. – Wheat Ridge

Laboratory Certification ID # CO007

is hereby approved as a

Nationally Accredited Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List which must accompany this certificate to be valid

having duly met the requirements of the

Regulations Governing the Certification of Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the 2009 TNI Standard approved by the

The NELAC Institute

Expires June 30, 2016

Joseph F. Aiello
Assistant Director

NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

New Jersey Department of Environmental Protection

National Environmental Laboratory Accreditation Program

ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS

Effective as of 01/14/2016 until 06/30/2016

Laboratory Name: SGS ACCUTEST INC. - WHEAT RIDGE Laboratory Number: CO007 Activity ID: NLC150001
4036 YOUNGFIELD ST
WHEAT RIDGE, CO 80033

Category: DW07 -- Metals - ICP, ICP/MS and DCP

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	UT	DW07 .00070	DW	ICP/MS	[EPA 200.8]	Arsenic
Certified	Yes	UT	DW07 .00080	DW	ICP	[EPA 200.7]	Barium
Certified	Yes	UT	DW07 .00110	DW	ICP/MS	[EPA 200.8]	Barium
Certified	Yes	UT	DW07 .00150	DW	ICP/MS	[EPA 200.8]	Beryllium
Certified	Yes	UT	DW07 .00190	DW	ICP/MS	[EPA 200.8]	Cadmium
Certified	Yes	UT	DW07 .00200	DW	ICP	[EPA 200.7]	Calcium
Certified	Yes	UT	DW07 .00240	DW	ICP	[EPA 200.7]	Chromium
Certified	Yes	UT	DW07 .00270	DW	ICP/MS	[EPA 200.8]	Chromium
Certified	Yes	UT	DW07 .00300	DW	ICP	[EPA 200.7]	Copper
Certified	Yes	UT	DW07 .00330	DW	ICP/MS	[EPA 200.8]	Copper
Certified	Yes	UT	DW07 .00340	DW	ICP	[EPA 200.7]	Iron
Certified	Yes	UT	DW07 .00380	DW	ICP/MS	[EPA 200.8]	Lead
Certified	Yes	UT	DW07 .00400	DW	ICP	[EPA 200.7]	Magnesium
Certified	Yes	UT	DW07 .00430	DW	ICP	[EPA 200.7]	Manganese
Certified	Yes	UT	DW07 .00460	DW	ICP/MS	[EPA 200.8]	Manganese
Certified	Yes	UT	DW07 .00490	DW	ICP/MS	[EPA 200.8]	Molybdenum
Certified	Yes	UT	DW07 .00500	DW	ICP	[EPA 200.7]	Nickel
Certified	Yes	UT	DW07 .00530	DW	ICP/MS	[EPA 200.8]	Nickel
Certified	Yes	UT	DW07 .00540	DW	ICP	[EPA 200.7]	Potassium
Certified	Yes	UT	DW07 .00560	DW	ICP/MS	[EPA 200.8]	Selenium
Certified	Yes	UT	DW07 .00600	DW	ICP	[EPA 200.7]	Silver
Certified	Yes	UT	DW07 .00630	DW	ICP/MS	[EPA 200.8]	Silver
Certified	Yes	UT	DW07 .00640	DW	ICP	[EPA 200.7]	Sodium
Certified	Yes	UT	DW07 .00670	DW	ICP/MS	[EPA 200.8]	Thallium
Certified	Yes	UT	DW07 .00740	DW	ICP/MS	[EPA 200.8]	Uranium
Certified	Yes	UT	DW07 .00760	DW	ICP/MS	[EPA 200.8]	Vanadium
Certified	Yes	UT	DW07 .00770	DW	ICP	[EPA 200.7]	Zinc
Certified	Yes	UT	DW07 .00800	DW	ICP/MS	[EPA 200.8]	Zinc

KEY: AE = Air and Emissions, BT = Biological Tissues, DW = Drinking Water, NPW = Non-Potable Water, SCM = Solid and Chemical Materials

PARS
Environmental
Inc.

LEAD IN DRINKING WATER TESTING REPORT

WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
TOWN CENTER ELEMENTARY SCHOOL
700 WYNDHURST DRIVE
PLAINSBORO, NEW JERSEY 08536

PREPARED FOR

West Windsor-Plainsboro Regional School District
505 Village Road West
PO Box 505
West Windsor, New Jersey 08550

PREPARED BY

PARS Environmental, Inc.
500 Horizon Drive, Suite 540
Robbinsville, New Jersey 08691
Tel: 609-890-7277
Fax: 609-890-9116

PARS Project No. 565-84

April 2016

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EXECUTIVE SUMMARY

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at the Town Center Elementary School (TCES). PARS conducted the lead in drinking water testing on March 24, 2016. The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the United States Environmental Protection Agency (USEPA) *3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance (USEPA 3Ts)*. PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

FINDINGS

The USEPA National Primary Drinking Water Regulations requires that immediate action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 milligrams per liter (mg/l). Exceedance of the 0.015 mg/l action level was not identified in TCES. A total of 15 water samples were collected and analyzed.

Based on the laboratory analytical results, no further investigation is warranted at this time. PARS recommends periodic testing per state and federal regulations.

1.0 INTRODUCTION

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at the Town Center Elementary School (TCES). The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the *USEPA 3Ts*. PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

Sampling methodology is described in Section 2.0, the Lead in Drinking Water Findings are discussed in Section 3.0, and the Conclusions and Recommendations are presented in Section 4.0. A list of the sample locations and results are provided in **Table 1**. The Laboratory Analytical Report and Laboratory NELAC Certification are provided in **Appendix A** and **B**, respectively.

This report is intended for the sole use of WWP. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations, is at risk of said user.

2.0 LEAD IN DRINKING WATER SAMPLING

PARS conducted lead in drinking water testing at the TCES on March 24, 2016. The lead in drinking water sampling was conducted by Christa Casciolini and Melissa Konieczny of PARS.

PARS performed lead in drinking water testing at a total of 12 drinking water fountains (bubbler and cooler units) and three (3) faucets in the nurse's office, kitchen, and classroom locations in the elementary school.

All samples were collected following the USEPA First Draw sampling protocol. The First Draw sample collection occurred in the morning prior to the facility opening and before any water was drawn in the building, including toilet flushing. The water was unused for six (6) to eight (8) hours prior to collection. Arrangements were made to sample the water outlets prior to the arrival of teachers and students.

The samples were placed in pre-preserved plastic bottles and submitted for laboratory analysis to SGS Accutest for two-week turnaround. SGS Accutest is a New Jersey Department of Environmental Protection (NJDEP) certified laboratory for lead in drinking water (NELAC #CO007). All samples were analyzed using USEPA Method 200.8 for the determination of trace elements in waters and wastes by inductively coupled plasma – mass spectrometry (ICP-MS). Chain-of-custody protocols were followed.

3.0 LEAD IN DRINKING WATER FINDINGS

Based on the laboratory analytical results, lead concentrations exceeding 0.015 mg/l action level were not identified in the 15 water samples collected at TCES.

Lead in drinking water tabulated results for the TCES are provided in **Table 1**. The laboratory analytical report is included in **Appendix A.** The laboratory certification is included in **Appendix B**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

A total of 12 drinking water fountains and three (3) faucets in the nurse's office, kitchen, and classroom locations were tested at the TCES. The USEPA recommends that action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 mg/l. None of the 15 outlets sampled in the TCES exceeded the 0.015 mg/l action level.

Based on the laboratory analytical results, no further investigation is warranted at this time. PARS recommends periodic testing per state and federal regulations.

-o0o-

PARS appreciates the opportunity to assist West Windsor-Plainsboro Regional School District with this project. Should you have any questions or comments please feel free to contact us at (609) 890-7277.

Respectfully submitted,

PARS ENVIRONMENTAL, INC.

Christa M. Casciolini
Project Geologist

Margaret Halasnik
Principal Industrial Hygienist

TABLE 1
DRINKING WATER RESULTS TABLE

TABLE 1
LEAD IN DRINKING WATER TESTING REPORT
WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
TOWN CENTER ELEMENTARY SCHOOL
APRIL 2016

All samples are primary (first draw) samples.
All faucets sampled are cold water, unless noted.
EPA Action limit = 0.015 milligrams per liter (mg/l)

School:	**Town Center Elementary**
Sampling Date:	**3/24/2016**

Exceeds EPA Action Limit (> 0.015 mg/l)
Hit = result > 0.00050 detection limit

Accutest Mountain States											**Apr 05, 2016 15:22 pm**
Job Number:	**D81109**										
Account:	**PARS Environmental Services**										
Project:	**WWP Regional, West Windsor-Plainsboro, NJ**										
Project Number:	**TCE**										
										Legend:	Hit
Client Sample ID:		**TCE-01-A40-NS-P**	**TCE-01-A71-KC-P**	**TCE-01-A90-CF-P**	**TCE-01-B103-DW-P**	**TCE-01-B106-DW-P**	**TCE-01-T21-T20-WC-P**	**TCE-01-B109-DW-P**	**TCE-02-B217-DW-P**	**TCE-02-T32-T31-WC-P**	**TCE-02-B209-DW-P**
Lab Sample ID:		**D81109-1**	**D81109-2**	**D81109-3**	**D81109-4**	**D81109-5**	**D81109-6**	**D81109-7**	**D81109-8**	**D81109-9**	**D81109-10**
Date Sampled:		**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**
Matrix:		**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**
Metals Analysis											
Lead	mg/l	<0.00050	0.00066	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Client Sample ID:		**TCE-01-T5-T8-WC-P**	**TCE-01-T7-WC-P**	**TCE-01-B116-DW-P**	**TCE-02-B218-DW-P**	**TCE-02-B205-DW-P**					
Lab Sample ID:		**D81109-11**	**D81109-12**	**D81109-13**	**D81109-14**	**D81109-15**					
Date Sampled:		**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**					
Matrix:		**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**					
Metals Analysis											
Lead	mg/l	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					

Client Sample ID Format: School-Floor-Room-Outlet-Sample Type

Floor:
- 01 = First floor
- 02 = Second floor

Room:
- ### = Room number ###
- ###-### = Sample between room number ### and room #
- H### = Hallway by room number ###
- BL = Boy's locker room
- CAF = Cafeteria
- FR = Faculty room
- GL = Girl's locker room
- KIT = Kitchen
- MGYM = Main gym
- MO = Main office
- NUR = Nurse's office
- SGYM = Small gym
- TGL = Team girl's locker room
- TL = Teacher's lounge
- TP = Teacher's prep room
- PLR = Pool Locker room

Outlet:
- BF = Bathroom faucet
- CF = Classroom faucet
- DW= Drinking water bubbler
- EC = Home economics room, cold
- KC = Kitchen faucet, cold
- LC = Lounge faucet, cold
- NS = Nurse's office sink
- WC = Water cooler (chiller unit)
- TF or TS = Teacher's faucet or Teacher's sink

Sample Type:
- P = Primary (first draw) sample
- F = Flush sample

APPENDIX A
LABORATORY ANALYTICAL REPORT

e-Hardcopy 2.0
Automated Report

Technical Report for

PARS Environmental Services

WWP Regional, West Windsor-Plainsboro, NJ

TCE

SGS Accutest Job Number: D81109

Sampling Date: 03/24/16

Report to:

PARS Environmental, Inc.
500 Horizon Drive Suite 540
Robbinsville, NJ 08691
ccasciolini@ParsEnviro.com

ATTN: Crista Casciolini

Total number of pages in report: **48**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Cristina Araujo 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY
CO (CO00049), EPA 515.4 Provisional

Sections: 1 2 3 4 5 6

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Sample Summary

PARS Environmental Services

Job No: D81109

WWP Regional, West Windsor-Plainsboro, NJ
Project No: TCE

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D81109-1	03/24/16	07:16	MK/CC	03/25/16	DW	Drinking Water	TCE-01-A40-NS-P
D81109-2	03/24/16	07:21	MK/CC	03/25/16	DW	Drinking Water	TCE-01-A71-KC-P
D81109-3	03/24/16	07:31	MK/CC	03/25/16	DW	Drinking Water	TCE-01-A90-CF-P
D81109-4	03/24/16	07:39	MK/CC	03/25/16	DW	Drinking Water	TCE-01-B103-DW-P
D81109-5	03/24/16	07:42	MK/CC	03/25/16	DW	Drinking Water	TCE-01-B106-DW-P
D81109-6	03/24/16	07:45	MK/CC	03/25/16	DW	Drinking Water	TCE-01-T21-T20-WC-P
D81109-7	03/24/16	07:49	MK/CC	03/25/16	DW	Drinking Water	TCE-01-B109-DW-P
D81109-8	03/24/16	07:54	MK/CC	03/25/16	DW	Drinking Water	TCE-02-B217-DW-P
D81109-9	03/24/16	07:57	MK/CC	03/25/16	DW	Drinking Water	TCE-02-T32-T31-WC-P
D81109-10	03/24/16	08:01	MK/CC	03/25/16	DW	Drinking Water	TCE-02-B209-DW-P
D81109-11	03/24/16	07:22	MK/CC	03/25/16	DW	Drinking Water	TCE-01-T5-T8-WC-P
D81109-12	03/24/16	07:32	MK/CC	03/25/16	DW	Drinking Water	TCE-01-T7-WC-P
D81109-13	03/24/16	07:49	MK/CC	03/25/16	DW	Drinking Water	TCE-01-B116-DW-P

Sample Summary
(continued)

PARS Environmental Services

Job No: D81109

WWP Regional, West Windsor-Plainsboro, NJ
Project No: TCE

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D81109-14	03/24/16	07:55	MK/CC	03/25/16	DW	Drinking Water	TCE-02-B218-DW-P
D81109-15	03/24/16	08:02	MK/CC	03/25/16	DW	Drinking Water	TCE-02-B205-DW-P

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: PARS Environmental Services **Job No** D81109

Site: WWP Regional, West Windsor-Plainsboro, NJ **Report Date** 4/5/2016 2:29:41 PM

On 03/25/2016, 15 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 2.4 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D81109 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Metals By Method EPA 200.8

Matrix DW **Batch ID:** MP18361

- All samples were digested and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D81109-1MS, D81109-1MSD were used as the QC samples for the metals analysis.

Matrix DW **Batch ID:** MP18362

- All samples were digested and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D81109-11MS, D81109-11MSD were used as the QC samples for the metals analysis.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Summary of Hits

Job Number: D81109
Account: PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ
Collected: 03/24/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D81109-1	**TCE-01-A40-NS-P**					
No hits reported in this sample.						
D81109-2	**TCE-01-A71-KC-P**					
Lead		0.00066	0.00050		mg/l	EPA 200.8
D81109-3	**TCE-01-A90-CF-P**					
No hits reported in this sample.						
D81109-4	**TCE-01-B103-DW-P**					
No hits reported in this sample.						
D81109-5	**TCE-01-B106-DW-P**					
No hits reported in this sample.						
D81109-6	**TCE-01-T21-T20-WC-P**					
No hits reported in this sample.						
D81109-7	**TCE-01-B109-DW-P**					
No hits reported in this sample.						
D81109-8	**TCE-02-B217-DW-P**					
No hits reported in this sample.						
D81109-9	**TCE-02-T32-T31-WC-P**					
No hits reported in this sample.						
D81109-10	**TCE-02-B209-DW-P**					
No hits reported in this sample.						
D81109-11	**TCE-01-T5-T8-WC-P**					
No hits reported in this sample.						

Summary of Hits

Job Number: D81109
Account: PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ
Collected: 03/24/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D81109-12	**TCE-01-T7-WC-P**					
No hits reported in this sample.						
D81109-13	**TCE-01-B116-DW-P**					
No hits reported in this sample.						
D81109-14	**TCE-02-B218-DW-P**					
No hits reported in this sample.						
D81109-15	**TCE-02-B205-DW-P**					
No hits reported in this sample.						

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TCE-01-A40-NS-P		
Lab Sample ID:	D81109-1	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18361

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TCE-01-A71-KC-P		
Lab Sample ID:	D81109-2	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.00066	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18361

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TCE-01-A90-CF-P		
Lab Sample ID:	D81109-3	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18361

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TCE-01-B103-DW-P		
Lab Sample ID:	D81109-4	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18361

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TCE-01-B106-DW-P		
Lab Sample ID:	D81109-5	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18361

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TCE-01-T21-T20-WC-P		
Lab Sample ID:	D81109-6	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18361

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TCE-01-B109-DW-P		
Lab Sample ID:	D81109-7	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18361

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TCE-02-B217-DW-P		
Lab Sample ID:	D81109-8	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18361

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TCE-02-T32-T31-WC-P		
Lab Sample ID:	D81109-9	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18361

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TCE-02-B209-DW-P		
Lab Sample ID:	D81109-10	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18361

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TCE-01-T5-T8-WC-P		
Lab Sample ID:	D81109-11	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18362

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TCE-01-T7-WC-P		
Lab Sample ID:	D81109-12	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18362

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TCE-01-B116-DW-P		
Lab Sample ID:	D81109-13	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18362

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TCE-02-B218-DW-P		
Lab Sample ID:	D81109-14	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18362

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	TCE-02-B205-DW-P		
Lab Sample ID:	D81109-15	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18362

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS ACCUTEST — CHAIN OF CUSTODY

PAGE 1 OF 2

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: D81109

Client / Reporting Information

Company Name: PARS
Street Address: 500 Horizon Dr, Suite 540
City State Zip: Robbinsville, NJ 08691
Project Contact: Christa Cascialini, ccascialini@parsenviro.com
Phone #: 609-890-7277 Fax #:
Sampler(s) Name(s): Phone #:

Project Information

Project Name: WWP Regional - TCE
Street:
City State:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

DW
PB
200.8

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
	TCE-01-A40-NS-P		3/24/16	7:16	MK		1			1						01
	TCE-01-A71-KC-P			7:21	MK		1			1						02
	TCE-01-A90-CE-P			7:31	MK		1									03
	TCE-01-B103-DW-P			7:39	MK		1			1						04
	TCE-01-B106-DW-P			7:42	MK		1			1						05
	TCE-01-T21,T20-WC-P			7:45	MK		1			1						06
	TCE-01-B109-DW-P			7:49	MK		1			1						07
	TCE-02-B217-DW-P			7:54	MK		1			1						08
	TCE-02-T32,T31-WC-P			7:57	MK		1			1						09
	TCE-02-B209-DW-P			8:01	MK		1			1						10
	TCE-01-T5,T8-WE-P			7:22	CC		1			1						11
	TCE-01-T7-WC-P			7:32	CC		1			1						12

Turnaround Time (Business days)

Approved By (SGS Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [x] other 2 Week

Emergency & Rush T/A data available VIA LabLink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	C. Cascialini	3/24/16 1700	1	2	3/24/16 1744	2 3/25/16 11:30
3			3	4		4
5			5			

Custody Seals: 538 Intact / Not Intact — Preserved where applicable — On Ice: ✓ — Cooler Temp: 1.9°C

SGS ACCUTEST

CHAIN OF CUSTODY

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

PAGE 2 OF 2

FED-EX Tracking #	Bottle Order Control #
SGS Accutest Quote #	SGS Accutest Job # D81109

Client / Reporting Information

Company Name: PARS
Street Address: 500 Horizon Dr, Suite 540
City, State, Zip: Robbinsville, NJ 08691
Project Contact / E-mail: Christa Casciolini, ccasciolini@parsEnviro.com
Phone #: 609-890-7277
Fax #:
Sampler(s) Name(s):
Phone #:

Project Information

Project Name: WWP Regional - TCE
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (If different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet): DW 8b 209

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL- Sludge, SED-Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB-Field Blank, EB-Equipment Blank, RB- Rinse Blank, TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	DW 8b 209	LAB USE ONLY
	TCE-01-B116-DW-P		3/24/16	7:49	cc		1			1						X	13
	TCE-02-B218-DW-P		3/24/16	7:55	cc		1			1						X	14
	TCE-02-B205-DW-P		3/24/16	8:02	cc		1			1						X	15

Turnaround Time (Business days)

- ☐ Std. 10 Business Days
- ☐ 5 Day RUSH
- ☐ 3 Day RUSH
- ☐ 2 Day RUSH
- ☐ 1 Day RUSH
- ☒ other 2 week

Approved By (SGS Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- ☐ Commercial "A" (Level 1)
- ☐ Commercial "B" (Level 2)
- ☐ FULLT1 (Level 3+4)
- ☐ NJ Reduced
- ☐ Commercial "C"
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☐ EDD Format
- ☐ Other

☐ *NJ Data of Known Quality Protocol Reporting*

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 C. Casciolini	3/24/16 17:00	1 [signature]	2 [signature]	3/24/16 17:48	2 [signature] 3/25/16 11:30
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # 338 Accutest	☐ Intact ☐ Not intact	Preserved where applicable ☐ On Ice ☑ Cooler Temp. 1.9°C

D81109: Chain of Custody
Page 2 of 3

5.1 5

SGS Accutest Sample Receipt Summary

Job Number: D81109 **Client:** PARS **Project:** WWP REGIONAL WE

Date / Time Received: 3/25/2016 11:30:00 AM **Delivery Method:** **Airbill #'s:** fx

Cooler Temps (Initial/Adjusted): #1: (2.4/2.4);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Bar Therm;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Comments

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7177
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
02:41	MA7177-STD1	1		STDBLK
02:44	MA7177-STD2	1		STD1
02:47	MA7177-STD3	1		STD2
02:50	MA7177-STD4	1		STD3
02:53	MA7177-CRI1	1		
02:56	MA7177-ICV1	1		
03:00	MA7177-ICB1	1		
03:03	MA7177-CCV1	1		
03:06	MA7177-CCB1	1		
03:09	MP18359-MB1	1		
03:12	MP18359-B1	1		
03:15	D81107-1	1		(sample used for QC only; not part of login D81109)
03:18	MP18359-S1	1		
03:21	MP18359-S2	1		
03:24	ZZZZZZ	1		
03:27	ZZZZZZ	1		
03:30	ZZZZZZ	1		
03:33	ZZZZZZ	1		
03:37	MA7177-CCV2	1		
03:40	MA7177-CCB2	1		
03:43	ZZZZZZ	1		
03:46	ZZZZZZ	1		
03:49	ZZZZZZ	1		
03:52	ZZZZZZ	1		
03:55	ZZZZZZ	1		
03:58	MP18360-MB1	1		
04:01	MP18360-B1	1		
04:04	D81108-1	1		(sample used for QC only; not part of login D81109)
04:07	MP18360-S1	1		
04:10	MP18360-S2	1		
04:13	MA7177-CCV3	1		
04:16	MA7177-CCB3	1		
04:20	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7177
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
04:23	ZZZZZZ	1		
04:26	ZZZZZZ	1		
04:29	ZZZZZZ	1		
04:32	ZZZZZZ	1		
04:35	ZZZZZZ	1		
04:38	ZZZZZZ	1		
04:41	ZZZZZZ	1		
04:44	ZZZZZZ	1		
04:47	MP18361-MB1	1		
04:50	MA7177-CCV4	1		
04:53	MA7177-CCB4	1		
04:56	MP18361-B1	1		
04:59	D81109-1	1		
05:02	MP18361-S1	1		
05:06	MP18361-S2	1		
05:09	D81109-2	1		
05:12	D81109-3	1		
05:15	D81109-4	1		
05:18	D81109-5	1		
05:21	D81109-6	1		
05:24	D81109-7	1		
05:27	MA7177-CCV5	1		
05:30	MA7177-CCB5	1		
05:33	D81109-8	1		
05:36	D81109-9	1		
05:39	D81109-10	1		
05:42	MP18362-MB1	1		
05:45	MP18362-B1	1		
05:48	D81109-11	1		
05:51	MP18362-S1	1		
05:54	MP18362-S2	1		
05:58	D81109-12	1		
06:01	D81109-13	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7177
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
06:04	MA7177-CCV6	1		
06:07	MA7177-CCB6	1		
06:10	D81109-14	1		
06:13	D81109-15	1		
---------->	Last reportable sample/prep for job D81109			
06:16	MA7177-CCV7	1		
06:19	MA7177-CCB7	1		
---------->	Last reportable CCB for job D81109			
	Refer to raw data for calibration curve and standards.			

INTERNAL STANDARD SUMMARY

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7177
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
02:41	MA7177-STD1	515905 R	546334 R
02:44	MA7177-STD2	512088	537621
02:47	MA7177-STD3	511431	522567
02:50	MA7177-STD4	487931	525334
02:53	MA7177-CRI1	485080	519963
02:56	MA7177-ICV1	502676	516834
03:00	MA7177-ICB1	503621	533020
03:03	MA7177-CCV1	509992	528213
03:06	MA7177-CCB1	491288	520066
03:09	MP18359-MB1	460831	502540
03:12	MP18359-B1	470414	513304
03:15	D81107-1	462512	488224
03:18	MP18359-S1	477860	504986
03:21	MP18359-S2	471183	488929
03:24	ZZZZZZ	464331	482286
03:27	ZZZZZZ	470919	490784
03:30	ZZZZZZ	468416	490835
03:33	ZZZZZZ	467715	487475
03:37	MA7177-CCV2	506433	516889
03:40	MA7177-CCB2	492186	519083
03:43	ZZZZZZ	450264	473504
03:46	ZZZZZZ	452939	472511
03:49	ZZZZZZ	469553	484358
03:52	ZZZZZZ	459441	482503
03:55	ZZZZZZ	468164	488646
03:58	MP18360-MB1	461252	502144
04:01	MP18360-B1	458394	503154
04:04	D81108-1	453598	472654
04:07	MP18360-S1	472207	493681
04:10	MP18360-S2	463824	488050
04:13	MA7177-CCV3	511489	525286
04:16	MA7177-CCB3	494149	529387
04:20	ZZZZZZ	458037	471887

INTERNAL STANDARD SUMMARY

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7177
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
04:23	ZZZZZZ	454546	477689
04:26	ZZZZZZ	452703	472285
04:29	ZZZZZZ	447063	469022
04:32	ZZZZZZ	452751	475847
04:35	ZZZZZZ	460814	482276
04:38	ZZZZZZ	454298	469128
04:41	ZZZZZZ	461396	484284
04:44	ZZZZZZ	459777	485582
04:47	MP18361-MB1	463599	501354
04:50	MA7177-CCV4	511828	524730
04:53	MA7177-CCB4	496090	521130
04:56	MP18361-B1	458339	495602
04:59	D81109-1	453649	469398
05:02	MP18361-S1	446896	475031
05:06	MP18361-S2	461354	476404
05:09	D81109-2	452916	466493
05:12	D81109-3	450703	475866
05:15	D81109-4	450757	468906
05:18	D81109-5	445498	464868
05:21	D81109-6	447973	469994
05:24	D81109-7	451482	470346
05:27	MA7177-CCV5	494930	512120
05:30	MA7177-CCB5	490005	517626
05:33	D81109-8	457070	469928
05:36	D81109-9	450805	471734
05:39	D81109-10	448458	473838
05:42	MP18362-MB1	448436	486635
05:45	MP18362-B1	459615	492449
05:48	D81109-11	447697	465020
05:51	MP18362-S1	458302	480761
05:54	MP18362-S2	454149	477392
05:58	D81109-12	440391	457615
06:01	D81109-13	445916	459458

INTERNAL STANDARD SUMMARY

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7177
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
06:04	MA7177-CCV6	491183	499392
06:07	MA7177-CCB6	488514	515345
06:10	D81109-14	441976	456510
06:13	D81109-15	446766	461779
06:16	MA7177-CCV7	484927	499976
06:19	MA7177-CCB7	484703	505388

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %
Istd#2	Bismuth	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7177 Units: ug/l

Time: / Sample ID: / Metal	RL	IDL	03:00 ICB1 raw	03:00 ICB1 final	03:06 CCB1 raw	03:06 CCB1 final	03:40 CCB2 raw	03:40 CCB2 final	04:16 CCB3 raw	04:16 CCB3 final
Copper	2.0	.06								
Lead	0.50	.0079	0.0030	<0.50	-0.0010	<0.50	0.0030	<0.50	0.0040	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7177 Units: ug/l

Time: / Sample ID: / Metal	RL	IDL	04:53 CCB4 raw	04:53 CCB4 final	05:30 CCB5 raw	05:30 CCB5 final	06:07 CCB6 raw	06:07 CCB6 final	06:19 CCB7 raw	06:19 CCB7 final
Copper	2.0	.06								
Lead	0.50	.0079	0.0010	<0.50	0.0020	<0.50	0.0040	<0.50	-0.0010	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7177 Units: ug/l

Time:		02:56			03:03			03:37	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper									
Lead	100	101	101.0	50	49.3	98.6	50	50.3	100.6

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7177 Units: ug/l

Time:		04:13			04:50			05:27	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper									
Lead	50	48.6	97.2	50	49.1	98.2	50	50.1	100.2

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7177 Units: ug/l

Time:		06:04			06:16	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Copper						
Lead	50	50.5	101.0	50	50.3	100.6

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
QC Limits: 50 to 150 % Recovery Run ID: MA7177 Units: ug/l

Time:			02:53	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Copper	2.0	2.0		
Lead	0.50	0.50	0.50	100.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18361 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 03/31/16

Metal	RL	IDL	MDL	MB raw	final
Copper	0.0020	.00006	.00014		
Lead	0.00050	.0000079	.00001	0.000017	<0.00050

Associated samples MP18361: D81109-1, D81109-2, D81109-3, D81109-4, D81109-5, D81109-6, D81109-7, D81109-8, D81109-9, D81109-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18361 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 03/31/16

Metal	D81109-1 Original	MS	Spikelot ICPALL2	% Rec	QC Limits
Copper					
Lead	0.00027	0.18	0.20	89.9	70-130

Associated samples MP18361: D81109-1, D81109-2, D81109-3, D81109-4, D81109-5, D81109-6, D81109-7, D81109-8, D81109-9, D81109-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18361 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 03/31/16

Metal	D81109-1 Original	MSD	Spikelot ICPALL2	% Rec	MSD RPD	QC Limit
Copper						
Lead	0.00027	0.18	0.20	89.9	0.0	20

Associated samples MP18361: D81109-1, D81109-2, D81109-3, D81109-4, D81109-5, D81109-6, D81109-7, D81109-8, D81109-9, D81109-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18361 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 03/31/16

Metal	BSP Result	Spikelot ICPALL2	% Rec	QC Limits
Copper				
Lead	0.18	0.20	90.0	85-115

Associated samples MP18361: D81109-1, D81109-2, D81109-3, D81109-4, D81109-5, D81109-6, D81109-7, D81109-8, D81109-9, D81109-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18362 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 03/31/16

Metal	RL	IDL	MDL	MB raw	MB final
Copper	0.0020	.00006	.00014		
Lead	0.00050	.0000079	.00001	0.0000030	<0.00050

Associated samples MP18362: D81109-11, D81109-12, D81109-13, D81109-14, D81109-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18362 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 03/31/16

Metal	D81109-11 Original MS	Spikelot ICPALL2	% Rec	QC Limits
Copper				
Lead	0.000038 0.17	0.20	85.0	70-130

Associated samples MP18362: D81109-11, D81109-12, D81109-13, D81109-14, D81109-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18362 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 03/31/16

Metal	D81109-11 Original	MSD	Spikelot ICPALL2	% Rec	MSD RPD	QC Limit
Copper						
Lead	0.000038	0.18	0.20	90.0	5.7	20

Associated samples MP18362: D81109-11, D81109-12, D81109-13, D81109-14, D81109-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D81109
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18362 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 03/31/16

Metal	BSP Result	Spikelot ICPALL2	% Rec	QC Limits
Copper				
Lead	0.18	0.20	90.0	85-115

Associated samples MP18362: D81109-11, D81109-12, D81109-13, D81109-14, D81109-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

APPENDIX B
LABORATORY CERTIFICATION

State of New Jersey

Department of Environmental Protection

Certifies That

SGS Accutest Inc. – Wheat Ridge

Laboratory Certification ID # CO007

is hereby approved as a

Nationally Accredited Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List which must accompany this certificate to be valid

having duly met the requirements of the

Regulations Governing the Certification of Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the 2009 TNI Standard approved by the

The NELAC Institute

Expires June 30, 2016

Joseph F. Aiello
Assistant Director

NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

New Jersey Department of Environmental Protection

National Environmental Laboratory Accreditation Program

ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS

Effective as of 01/14/2016 until 06/30/2016

Laboratory Name: SGS ACCUTEST INC. - WHEAT RIDGE Laboratory Number: CO007 Activity ID: NLC150001
4036 YOUNGFIELD ST
WHEAT RIDGE, CO 80033

Category: DW07 -- Metals - ICP, ICP/MS and DCP

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	UT	DW07 .00070	DW	ICP/MS	[EPA 200.8]	Arsenic
Certified	Yes	UT	DW07 .00080	DW	ICP	[EPA 200.7]	Barium
Certified	Yes	UT	DW07 .00110	DW	ICP/MS	[EPA 200.8]	Barium
Certified	Yes	UT	DW07 .00150	DW	ICP/MS	[EPA 200.8]	Beryllium
Certified	Yes	UT	DW07 .00190	DW	ICP/MS	[EPA 200.8]	Cadmium
Certified	Yes	UT	DW07 .00200	DW	ICP	[EPA 200.7]	Calcium
Certified	Yes	UT	DW07 .00240	DW	ICP	[EPA 200.7]	Chromium
Certified	Yes	UT	DW07 .00270	DW	ICP/MS	[EPA 200.8]	Chromium
Certified	Yes	UT	DW07 .00300	DW	ICP	[EPA 200.7]	Copper
Certified	Yes	UT	DW07 .00330	DW	ICP/MS	[EPA 200.8]	Copper
Certified	Yes	UT	DW07 .00340	DW	ICP	[EPA 200.7]	Iron
Certified	Yes	UT	DW07 .00380	DW	ICP/MS	[EPA 200.8]	Lead
Certified	Yes	UT	DW07 .00400	DW	ICP	[EPA 200.7]	Magnesium
Certified	Yes	UT	DW07 .00430	DW	ICP	[EPA 200.7]	Manganese
Certified	Yes	UT	DW07 .00460	DW	ICP/MS	[EPA 200.8]	Manganese
Certified	Yes	UT	DW07 .00490	DW	ICP/MS	[EPA 200.8]	Molybdenum
Certified	Yes	UT	DW07 .00500	DW	ICP	[EPA 200.7]	Nickel
Certified	Yes	UT	DW07 .00530	DW	ICP/MS	[EPA 200.8]	Nickel
Certified	Yes	UT	DW07 .00540	DW	ICP	[EPA 200.7]	Potassium
Certified	Yes	UT	DW07 .00560	DW	ICP/MS	[EPA 200.8]	Selenium
Certified	Yes	UT	DW07 .00600	DW	ICP	[EPA 200.7]	Silver
Certified	Yes	UT	DW07 .00630	DW	ICP/MS	[EPA 200.8]	Silver
Certified	Yes	UT	DW07 .00640	DW	ICP	[EPA 200.7]	Sodium
Certified	Yes	UT	DW07 .00670	DW	ICP/MS	[EPA 200.8]	Thallium
Certified	Yes	UT	DW07 .00740	DW	ICP/MS	[EPA 200.8]	Uranium
Certified	Yes	UT	DW07 .00760	DW	ICP/MS	[EPA 200.8]	Vanadium
Certified	Yes	UT	DW07 .00770	DW	ICP	[EPA 200.7]	Zinc
Certified	Yes	UT	DW07 .00800	DW	ICP/MS	[EPA 200.8]	Zinc

KEY: AE = Air and Emissions, BT = Biological Tissues, DW = Drinking Water, NPW = Non-Potable Water, SCM = Solid and Chemical Materials

PARS
Environmental
Inc.

LEAD IN DRINKING WATER TESTING REPORT

WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
VILLAGE ELEMENTARY SCHOOL
601 NEW VILLAGE ROAD
WEST WINDSOR, NEW JERSEY 08550

PREPARED FOR:

West Windsor-Plainsboro Regional School District
505 Village Road West
PO Box 505
West Windsor, New Jersey 08550

PREPARED BY:

PARS Environmental, Inc.
500 Horizon Drive, Suite 540
Robbinsville, New Jersey 08691
Tel: 609-890-7277
Fax: 609-890-9116

PARS Project No. 565-84

April 2016

TABLE OF CONTENTS

EXECUTIVE SUMMARY

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at the Village Elementary School (VES). PARS conducted the lead in drinking water testing on March 30, 2016 and April 19, 2016. The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the United States Environmental Protection Agency (USEPA) *3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance (USEPA 3Ts)*. PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

FINDINGS

The USEPA National Primary Drinking Water Regulations requires that immediate action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 milligrams per liter (mg/l). Exceedance of the 0.015 mg/l action level was identified in one sample in the VES. A total of 17 water samples were collected and analyzed. Laboratory analysis revealed that the room B206 classroom faucet was above the action level of 0.015 mg/l. The room B206 classroom faucet was initially sampled on March 30, 2016, and re-sampled on April 19, 2016. The lead levels decreased from 0.022 mg/l to 0.0015 mg/l in the primary First Draw sample collected. The lead levels further decreased to <0.00050 mg/l in the 30 Second Flush sample collected. The 0.015 mg/l action level was not exceeded in the re-sampling of the room B206 classroom faucet.

Based on the laboratory analytical results, no further investigation is warranted at this time. PARS recommends periodic flushing of the school taps and testing per state and federal regulations.

1.0 INTRODUCTION

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at the Village Elementary School (VES). The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the *USEPA 3Ts*. PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

Sampling methodology is described in Section 2.0, the Lead in Drinking Water Findings are discussed in Section 3.0, and the Conclusions and Recommendations are presented in Section 4.0. A list of the sample locations and results are provided in **Table 1**. The Laboratory Analytical Report and Laboratory NELAC Certification are provided in **Appendix A** and **B**, respectively.

This report is intended for the sole use of WWP. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations, is at risk of said user.

2.0 LEAD IN DRINKING WATER SAMPLING

PARS conducted lead in drinking water testing at the VES on March 30, 2016 and April 19, 2016. The lead in drinking water sampling was conducted by Christa Casciolini, Melissa Konieczny, and Rafael Torres of PARS.

PARS performed lead in drinking water testing at a total of seven (7) drinking water fountains (bubbler and cooler units) and eight (8) faucets in the nurse's office, kitchen, teacher's lounge, and classroom locations in the VES.

All samples were collected following the USEPA First Draw sampling protocol. The First Draw sample collection occurred in the morning prior to the facility opening and before any water was drawn in the building, including toilet flushing. The water was unused for six (6) to eight (8) hours prior to collection. Arrangements were made to sample the water outlets prior to the arrival of teachers and students.

The samples were placed in pre-preserved plastic bottles and submitted for laboratory analysis to SGS Accutest for two-week turnaround. SGS Accutest is a New Jersey Department of Environmental Protection (NJDEP) certified laboratory for lead in drinking water (NELAC #CO007 and #12129). All samples were analyzed using USEPA Method 200.8 for the determination of trace elements in waters and wastes by inductively coupled plasma – mass spectrometry (ICP-MS). Chain-of-custody protocols were followed.

3.0 LEAD IN DRINKING WATER FINDINGS

Exceedance of the 0.015 mg/l action level was identified in one sample in the VES. A total of 17 water samples were collected and analyzed. Laboratory analysis revealed that the room B206 classroom faucet was above the action level of 0.015 mg/l. The room B206 classroom faucet was initially sampled on March 30, 2016, and re-sampled on April 19, 2016. The lead levels decreased from 0.022 mg/l to 0.0015 mg/l in the primary First Draw sample collected. The lead levels further decreased to <0.00050 mg/l in the 30 Second Flush sample collected. The 0.015 mg/l action level was not exceeded in the re-sampling of the room B206 classroom faucet.

Lead in drinking water tabulated results for the VES are provided in **Table 1**. The laboratory analytical report is included in **Appendix A.** The laboratory certification is included in **Appendix B**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

A total of seven (7) drinking water fountains (bubbler and cooler units) and eight (8) faucets in the nurse's office, kitchen, teacher's lounge, and classroom locations were tested in the VES. The USEPA recommends that action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 mg/l. Exceedance of the 0.015 mg/l action level was identified in one sample in the VES. A total of 17 water samples were collected and analyzed. Laboratory analysis revealed that the room B206 classroom faucet was above the action level of 0.015 mg/l. The room B206 classroom faucet was initially sampled on March 30, 2016, and re-sampled on April 19, 2016. The lead levels decreased from 0.022 mg/l to 0.0015 mg/l in the primary First Draw sample collected. The lead levels further decreased to <0.00050 mg/l in the 30 Second Flush sample collected. The 0.015 mg/l action level was not exceeded in the re-sampling of the room B206 classroom faucet.

Based on the laboratory analytical results, no further investigation is warranted at this time. PARS recommends periodic flushing of the school taps and testing per state and federal regulations.

-o0o-

PARS appreciates the opportunity to assist West Windsor-Plainsboro Regional School District with this project. Should you have any questions or comments please feel free to contact us at (609) 890-7277.

Respectfully submitted,

PARS ENVIRONMENTAL, INC.

Christa M. Casciolini
Project Geologist

Margaret Halasnik
Principal Industrial Hygienist

TABLE 1
DRINKING WATER RESULTS TABLE

TABLE 1
LEAD IN DRINKING WATER TESTING REPORT
WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
VILLAGE ELEMENTARY SCHOOL
APRIL 2016

All samples are primary (first draw) samples. Except for one (1) 30 second flush sample collected on 4/19/16 during re-sampling of the room B206 classroom faucet.
All faucets sampled are cold water, unless noted.
EPA Action limit = 0.015 milligrams per liter (mg/l)

School:	**Village Elementary School**
Sampling Date:	**3/30/2016**

Exceeds EPA Action Limit (> 0.015 mg/l)
Hit = result > 0.00050 detection limit

03/30/16 Initial Sampling

Accutest Mountain States											**4/15/2016 12:18**
Job Number:	**D81294**										
Account:	**PARS Environmental Services**										
Project:	**WWP Regional, West Windsor-Plainsboro, NJ**										
Project Number:	**Village School**										
										Legend:	Hit
Client Sample ID:		**VSE-01-A40-NS-P**	**VSE-01-H1-WC-P**	**VSE-01-KIT-KC-P**	**VSE-01-A66-TS-P**	**VSE-01-H2A31-WC-P**	**VSE-01-B105-CF-P**	**VSE-01-B108-DW-P**	**VSE-01-H3B110-WC-P**	**VSE-01-B113-DW-P**	**VSE-01-B120-DW-P**
Lab Sample ID:		**D81294-1**	**D81294-2**	**D81294-3**	**D81294-4**	**D81294-5**	**D81294-6**	**D81294-7**	**D81294-8**	**D81294-9**	**D81294-10**
Date Sampled:		**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**
Matrix:		**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**
Metals Analysis											
Lead	mg/l	0.0034	<0.00050	<0.00050	<0.00050	<0.00050	0.013	0.00079	<0.00050	0.00099	0.0018
Client Sample ID:		**VSE-02-B215-CF-P**	**VSE-02-B216-CF-P**	**VSE-02-H3B210-WC-P**	**VSE-02-B206-CF-P**	**VSE-02-B205-CF-P**					
Lab Sample ID:		**D81294-11**	**D81294-12**	**D81294-13**	**D81294-14**	**D81294-15**					
Date Sampled:		**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**	**3/30/2016**					
Matrix:		**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**					
Metals Analysis											
Lead	mg/l	0.0034	0.0043	<0.00050	0.022	0.0043					

TABLE 1
LEAD IN DRINKING WATER TESTING REPORT
WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
VILLAGE ELEMENTARY SCHOOL
APRIL 2016

All samples are primary (first draw) samples. Except for one (1) 30 second flush sample collected on 4/19/16 during re-sampling of the room B206 classroom faucet.
All faucets sampled are cold water, unless noted.
EPA Action limit = 0.015 milligrams per liter (mg/l)

School:	**Village Elementary School**
Sampling Date:	**4/19/2016**

Exceeds EPA Action Limit (> 0.015 mg/l)
Hit = result > 0.00050 detection limit

04/19/16 Resampling

Accutest New Jersey			**Apr 26, 2016 13:44 pm**
Job Number:	**JC18609**		
Account:	**PARS Environmental Services**		
Project:	**WWP Schools-Village School, 601 New Village Road, West Windsor, NJ**		
Project Number:	**565-84**		
		Legend:	Hit
Client Sample ID:		**VSE-02-B206-CF-P**	**VSE-02-B206-CF-F**
Lab Sample ID:		**JC18609-1**	**JC18609-2**
Date Sampled:		**4/19/2016**	**4/19/2016**
Matrix:		**Drinking Water**	**Drinking Water**
Metals Analysis			
Lead	mg/l	0.0015	<0.00050

Client Sample ID Format: School-Floor-Room-Outlet-Sample Type

Floor:
- 01 = First floor
- 02 = Second floor

Room:
- ### = Room number ###
- ###-### = Sample between room number ### and room #
- H### = Hallway by room number ###
- BL = Boy's locker room
- CAF = Cafeteria
- FR = Faculty room
- GL = Girl's locker room
- KIT = Kitchen
- MGYM = Main gym
- MO = Main office
- NUR = Nurse's office
- SGYM = Small gym
- TGL = Team girl's locker room
- TL = Teacher's lounge
- TP = Teacher's prep room
- PLR = Pool Locker room

Outlet:
- BF = Bathroom faucet
- CF = Classroom faucet
- DW= Drinking water bubbler
- EC = Home economics room, cold
- KC = Kitchen faucet, cold
- LC = Lounge faucet, cold
- NS = Nurse's office sink
- WC = Water cooler (chiller unit)
- TF or TS = Teacher's faucet or Teacher's sink

Sample Type:
- P = Primary (first draw) sample
- F = Flush sample

APPENDIX A
LABORATORY ANALYTICAL REPORTS

e-Hardcopy 2.0
Automated Report

Technical Report for

PARS Environmental Services

WWP Regional, West Windsor-Plainsboro, NJ

VSE

SGS Accutest Job Number: D81294

Sampling Date: 03/30/16

Report to:

PARS Environmental, Inc.
500 Horizon Drive Suite 540
Robbinsville, NJ 08691
ccasciolini@ParsEnviro.com

ATTN: Crista Casciolini

Total number of pages in report: 55

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Cristina Araujo 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY
CO (CO00049), EPA 515.4 Provisional

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6

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Sample Summary

PARS Environmental Services

Job No: D81294

WWP Regional, West Windsor-Plainsboro, NJ
Project No: VSE

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D81294-1	03/30/16	06:32	MK	03/31/16	DW	Drinking Water	VSE-01-A40-NS-P
D81294-2	03/30/16	06:36	MK	03/31/16	DW	Drinking Water	VSE-01-H1-WC-P
D81294-3	03/30/16	06:40	MK	03/31/16	DW	Drinking Water	VSE-01-KIT-KC-P
D81294-4	03/30/16	06:44	MK	03/31/16	DW	Drinking Water	VSE-01-A66-TS-P
D81294-5	03/30/16	06:48	MK	03/31/16	DW	Drinking Water	VSE-01-H2A31-WC-P
D81294-6	03/30/16	06:52	MK	03/31/16	DW	Drinking Water	VSE-01-B105-CF-P
D81294-7	03/30/16	06:54	MK	03/31/16	DW	Drinking Water	VSE-01-B108-DW-P
D81294-8	03/30/16	06:58	MK	03/31/16	DW	Drinking Water	VSE-01-H3B110-WC-P
D81294-9	03/30/16	07:01	MK	03/31/16	DW	Drinking Water	VSE-01-B113-DW-P
D81294-10	03/30/16	07:04	MK	03/31/16	DW	Drinking Water	VSE-01-B120-DW-P
D81294-11	03/30/16	07:13	MK	03/31/16	DW	Drinking Water	VSE-02-B215-CF-P
D81294-12	03/30/16	07:16	MK	03/31/16	DW	Drinking Water	VSE-02-B216-CF-P
D81294-13	03/30/16	07:18	MK	03/31/16	DW	Drinking Water	VSE-02-H3B210-WC-P

Sample Summary
(continued)

PARS Environmental Services

Job No: D81294

WWP Regional, West Windsor-Plainsboro, NJ
Project No: VSE

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D81294-14	03/30/16	07:20	MK	03/31/16	DW	Drinking Water	VSE-02-B206-CF-P
D81294-15	03/30/16	07:24	MK	03/31/16	DW	Drinking Water	VSE-02-B205-CF-P

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	PARS Environmental Services	**Job No**	D81294
Site:	WWP Regional, West Windsor-Plainsboro, NJ	**Report Date**	4/14/2016 3:54:56 PM

On 03/31/2016, 15 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 1.9 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D81294 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Metals By Method EPA 200.8

Matrix: DW **Batch ID:** MP18451

- If required based on the turbidity results, all samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D81294-1MS, D81294-1MSD were used as the QC samples for the metals analysis.

Matrix: DW **Batch ID:** MP18452

- If required based on the turbidity results, all samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D81333-1MS, D81333-1MSD were used as the QC samples for the metals analysis.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Summary of Hits

Job Number: D81294
Account: PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ
Collected: 03/30/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D81294-1	**VSE-01-A40-NS-P**					
Lead		0.0034	0.00050		mg/l	EPA 200.8
D81294-2	**VSE-01-H1-WC-P**					
No hits reported in this sample.						
D81294-3	**VSE-01-KIT-KC-P**					
No hits reported in this sample.						
D81294-4	**VSE-01-A66-TS-P**					
No hits reported in this sample.						
D81294-5	**VSE-01-H2A31-WC-P**					
No hits reported in this sample.						
D81294-6	**VSE-01-B105-CF-P**					
Lead		0.013	0.00050		mg/l	EPA 200.8
D81294-7	**VSE-01-B108-DW-P**					
Lead		0.00079	0.00050		mg/l	EPA 200.8
D81294-8	**VSE-01-H3B110-WC-P**					
No hits reported in this sample.						
D81294-9	**VSE-01-B113-DW-P**					
Lead		0.00099	0.00050		mg/l	EPA 200.8
D81294-10	**VSE-01-B120-DW-P**					
Lead		0.0018	0.00050		mg/l	EPA 200.8
D81294-11	**VSE-02-B215-CF-P**					
Lead		0.0034	0.00050		mg/l	EPA 200.8

Summary of Hits

Job Number: D81294
Account: PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ
Collected: 03/30/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D81294-12	**VSE-02-B216-CF-P**					
Lead		0.0043	0.00050		mg/l	EPA 200.8
D81294-13	**VSE-02-H3B210-WC-P**					
No hits reported in this sample.						
D81294-14	**VSE-02-B206-CF-P**					
Lead		0.022	0.00050		mg/l	EPA 200.8
D81294-15	**VSE-02-B205-CF-P**					
Lead		0.0043	0.00050		mg/l	EPA 200.8

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	VSE-01-A40-NS-P		
Lab Sample ID:	D81294-1	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0034	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18451

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	VSE-01-H1-WC-P		
Lab Sample ID:	D81294-2	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18451

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	VSE-01-KIT-KC-P		
Lab Sample ID:	D81294-3	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18451

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	VSE-01-A66-TS-P		
Lab Sample ID:	D81294-4	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18451

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	VSE-01-H2A31-WC-P		
Lab Sample ID:	D81294-5	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18451

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	VSE-01-B105-CF-P		
Lab Sample ID:	D81294-6	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.013	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18451

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	VSE-01-B108-DW-P		
Lab Sample ID:	D81294-7	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.00079	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18451

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	VSE-01-H3B110-WC-P		
Lab Sample ID:	D81294-8	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18451

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	VSE-01-B113-DW-P		
Lab Sample ID:	D81294-9	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.00099	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18451

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	VSE-01-B120-DW-P		
Lab Sample ID:	D81294-10	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0018	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18451

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	VSE-02-B215-CF-P		
Lab Sample ID:	D81294-11	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0034	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18452

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	VSE-02-B216-CF-P		
Lab Sample ID:	D81294-12	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0043	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18452

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	VSE-02-H3B210-WC-P		
Lab Sample ID:	D81294-13	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18452

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	VSE-02-B206-CF-P		
Lab Sample ID:	D81294-14	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.022	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18452

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	VSE-02-B205-CF-P		
Lab Sample ID:	D81294-15	**Date Sampled:**	03/30/16
Matrix:	DW - Drinking Water	**Date Received:**	03/31/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0043	0.015	0.00050	mg/l	1	04/13/16	04/14/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7209
(2) Prep QC Batch: MP18452

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

PAGE 1 OF 2

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # D81294

Client / Reporting Information

Company Name: PARS
Street Address: 500 Horizon Dr, Suite 540
City State Zip: Robbinsville, NJ 08691
Project Contact: Christa Casciolini E-mail: ccasciolini@parsenviro.com
Phone #: 609-890-7277 Fax #:
Sampler(s) Name(s): Phone #:

Project Information

Project Name: WWP Regional - VSE
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet): NW Pb 200.8

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	NW Pb 200.8	LAB USE ONLY
	VSE-01-A40-NS-P		3/30/16	6:32	MK		1			1						X	01
	VSE-01-H1-WC-P		3/30/16	6:36	MK		1			1						X	02
	VSE-01-KIT-KC-P		3/30/16	6:40	MK		1			1						X	03
	VSE-01-A66-TS-P		3/30/16	6:44	MK		1			1						X	04
	VSE-01-H2A31-WC-P		3/30/16	6:48	MK		1			1						X	05
	VSE-01-B105-CF-P		3/30/16	6:52	MK		1			1						X	06
	VSE-01-B108-DW-P		3/30/16	6:54	MK		1			1						X	07
	VSE-01-H3B110-WC-P		3/30/16	6:58	MK		1			1						X	08
	VSE-01-B113-DW-P		3/30/16	7:01	MK		1			1						X	09
	VSE-01-B120-DW-P		3/30/16	7:04	MK		1			1						X	10
	VSE-02-B215-CF-P		3/30/16	7:13	MK		1			1						X	11
	VSE-02-B216-CF-P		3/30/16	7:16	MK		1			1						X	12

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [x] other 2 week

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	3/30/16	1 [signature] 3-30-16	2 [signature]	3-30-16 1655	2 [signature] 3/31/16 1050
Relinquished by Sampler: 3	Date Time:	Receive By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # Fx	Intact / Not intact; Preserved where applicable; On Ice; Cooler Temp. 1.9	

5.1 5

D81294: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest Job #: D81294

Client / Reporting Information

Company Name: PARS
Street Address: 500 Horizon Dr, Suite 540
City / State / Zip: Robbinsville, NJ 08691
Project Contact / E-mail: Christa Casciolini ccasciolini@parsenviro.com
Phone #: 609-890-7277
Fax #:
Sampler(s) Name(s):
Phone #:

Project Information

Project Name: WWP Regional - VSE
Street:
City:
State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis (see TEST CODE sheet): DW Pb 200.8

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	DW Pb 200.8	LAB USE ONLY
	VSE-02-H3B210-WC-P		3/30/16	7:18	MK		1			1						X	13
	VSE-02-B206-CF-P		3/30/16	7:20	MK		1			1						X	14
	VSE-02-B205-CF-P		3/30/16	7:24	MK		1			1						X	15

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [x] other 2week

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1 [signature]	Date Time: 3/30/16	Received By: 1 [signature] 3-30-16	Relinquished By: 2 [signature]	Date Time: 3-30-16 1636	Received By: 2 [signature] 3/31/16 1050
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # FX	[x] Intact [ ] Not intact	Preserved where applicable [x] 7050 On Ice [x] Cooler Temp. 5.7 SPL 1.7

D81294: Chain of Custody
Page 2 of 3

SGS Accutest Sample Receipt Summary

Job Number: D81294 **Client:** PARS **Project:** WWP REGIOANL VSE

Date / Time Received: 3/31/2016 10:50:00 AM **Delivery Method:** **Airbill #'s:** fx

Cooler Temps (Initial/Adjusted): #1: (1.9/1.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Comments

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

D81294: Chain of Custody
Page 3 of 3

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:39	ZZZZZZ	1		
07:42	ZZZZZZ	1		
07:46	MA7209-STD1	1		STDBLK
07:49	MA7209-STD2	1		STD1
07:52	MA7209-STD3	1		STD2
07:55	MA7209-STD4	1		STD3
07:58	MA7209-CRI1	1		Possible analytical problem. See rerun.
08:03	MA7209-CRI2	1		
08:06	MA7209-ICV1	1		
08:09	MA7209-ICB1	1		
08:12	MA7209-CCV1	1		
08:15	MA7209-CCB1	1		
08:18	ZZZZZZ	1		
08:21	MP18448-MB1	1		
08:24	MP18448-B1	1		
08:27	D81292-1	1		(sample used for QC only; not part of login D81294)
08:30	MP18448-S1	1		
08:34	MA7209-CCV2	1		
08:37	MA7209-CCB2	1		
08:40	MP18448-S2	1		
08:43	ZZZZZZ	1		
08:46	ZZZZZZ	1		
08:49	ZZZZZZ	1		
08:52	ZZZZZZ	1		
08:55	ZZZZZZ	1		
08:58	ZZZZZZ	1		
09:01	ZZZZZZ	1		
09:04	ZZZZZZ	1		
09:04	ZZZZZZ	1		
09:07	ZZZZZZ	1		
09:10	MA7209-CCV3	1		
09:13	MA7209-CCB3	1		
09:17	MP18449-MB1	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:20	MP18449-B1	1		
09:23	D81293-1	1		(sample used for QC only; not part of login D81294)
09:26	MP18449-S1	1		
09:29	MP18449-S2	1		
09:32	ZZZZZZ	1		
09:35	ZZZZZZ	1		
09:38	ZZZZZZ	1		
09:41	ZZZZZZ	1		
09:44	ZZZZZZ	1		
09:47	MA7209-CCV4	1		
09:50	MA7209-CCB4	1		
09:54	ZZZZZZ	1		
09:57	ZZZZZZ	1		
10:00	ZZZZZZ	1		
10:03	ZZZZZZ	1		
10:06	ZZZZZZ	1		
10:09	MP18450-MB1	1		
10:12	MP18450-B1	1		
10:15	D81293-6	1		(sample used for QC only; not part of login D81294)
10:18	MP18450-S1	1		
10:21	MP18450-S2	1		
10:24	MA7209-CCV5	1		
10:28	MA7209-CCB5	1		
10:31	ZZZZZZ	1		
10:34	ZZZZZZ	1		
10:37	ZZZZZZ	1		
10:40	ZZZZZZ	1		
10:43	ZZZZZZ	1		
10:46	ZZZZZZ	1		
10:49	ZZZZZZ	1		
10:52	ZZZZZZ	1		
10:55	ZZZZZZ	1		
10:58	MP18451-MB1	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:01	MA7209-CCV6	1		
11:04	MA7209-CCB6	1		
11:07	MP18451-B1	1		
11:10	D81294-1	1		
11:14	MP18451-S1	1		
11:17	MP18451-S2	1		
11:20	D81294-2	1		
11:23	D81294-3	1		
11:26	D81294-4	1		
11:29	D81294-5	1		
11:32	D81294-6	1		
11:35	D81294-7	1		
11:38	MA7209-CCV7	1		
11:41	MA7209-CCB7	1		
11:44	D81294-8	1		
11:47	D81294-9	1		
11:50	D81294-10	1		
11:53	MP18447-MB1	1		
11:56	MP18447-B1	1		
12:00	D81295-1	1		(sample used for QC only; not part of login D81294)
12:03	MP18447-S1	1		
12:06	MP18447-S2	1		
12:09	ZZZZZZ	1		
12:12	ZZZZZZ	1		
12:15	MA7209-CCV8	1		
12:18	MA7209-CCB8	1		
12:21	ZZZZZZ	1		
12:24	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:40	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:43	MP18452-MB1	1		
12:46	MP18452-B1	1		see rerun
12:49	D81333-1	1		(sample used for QC only; not part of login D81294)
12:52	MA7209-CCV9	1		
12:55	MA7209-CCB9	1		
12:58	MP18452-S1	1		
13:01	MP18452-S2	1		
13:04	D81294-11	1		
13:07	D81294-12	1		
13:10	D81294-13	1		
13:13	D81294-14	1		
13:17	D81294-15	1		
13:20	ZZZZZZ	1		
13:23	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:29	MA7209-CCV10	1		
13:32	MA7209-CCB10	1		
13:35	ZZZZZZ	1		
13:38	MA7209-CCV11	1		
13:41	MA7209-CCB11	1		
14:03	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:09	MP18453-MB1	1		
14:12	MP18453-B1	1		
14:15	D81333-6	1		(sample used for QC only; not part of login D81294)
14:26	MP18453-S1	1		
14:29	MP18453-S2	1		
14:32	ZZZZZZ	1		
14:35	ZZZZZZ	1		
14:38	MP18452-B1	1		
---------->	Last reportable sample/prep for job D81294			
14:41	MA7209-CCV12	1		
14:44	MA7209-CCB12	1		
---------->	Last reportable CCB for job D81294			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
07:39	ZZZZZZ	454198	502850
07:42	ZZZZZZ	443803	488302
07:46	MA7209-STD1	440446 R	488787 R
07:49	MA7209-STD2	432812	477471
07:52	MA7209-STD3	444552	471684
07:55	MA7209-STD4	418479	449504
07:58	MA7209-CRI1	No results reported for the elements associated with this internal standard.	
08:03	MA7209-CRI2	427738	455261
08:06	MA7209-ICV1	441305	467474
08:09	MA7209-ICB1	423330	464361
08:12	MA7209-CCV1	437487	468907
08:15	MA7209-CCB1	425164	462506
08:18	ZZZZZZ	393164	392547
08:21	MP18448-MB1	401369	417516
08:24	MP18448-B1	396977	418679
08:27	D81292-1	411118	413248
08:30	MP18448-S1	415297	409788
08:34	MA7209-CCV2	440520	469021
08:37	MA7209-CCB2	411664	454809
08:40	MP18448-S2	408626	403631
08:43	ZZZZZZ	400515	399454
08:46	ZZZZZZ	401357	405168
08:49	ZZZZZZ	403967	405826
08:52	ZZZZZZ	405563	404771
08:55	ZZZZZZ	410066	408196
08:58	ZZZZZZ	404010	402560
09:01	ZZZZZZ	404652	397730
09:04	ZZZZZZ	402293	401894
09:04	ZZZZZZ	402293	401894
09:07	ZZZZZZ	406563	402074
09:10	MA7209-CCV3	439057	470400
09:13	MA7209-CCB3	421464	456896
09:17	MP18449-MB1	400391	403203

INTERNAL STANDARD SUMMARY

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
09:20	MP18449-B1	399236	410408
09:23	D81293-1	404435	404959
09:26	MP18449-S1	401844	403961
09:29	MP18449-S2	401753	404009
09:32	ZZZZZZ	402501	398455
09:35	ZZZZZZ	406017	393104
09:38	ZZZZZZ	401059	401168
09:41	ZZZZZZ	398197	399160
09:44	ZZZZZZ	399848	400904
09:47	MA7209-CCV4	433177	455140
09:50	MA7209-CCB4	417109	449909
09:54	ZZZZZZ	396983	394592
09:57	ZZZZZZ	391415	390231
10:00	ZZZZZZ	400484	395177
10:03	ZZZZZZ	407978	399118
10:06	ZZZZZZ	409640	396550
10:09	MP18450-MB1	415820	418350
10:12	MP18450-B1	408609	405182
10:15	D81293-6	410586	402601
10:18	MP18450-S1	406917	398840
10:21	MP18450-S2	407613	403050
10:24	MA7209-CCV5	432231	449692
10:28	MA7209-CCB5	423323	449467
10:31	ZZZZZZ	401905	390589
10:34	ZZZZZZ	399604	392980
10:37	ZZZZZZ	409739	393477
10:40	ZZZZZZ	402904	397071
10:43	ZZZZZZ	407746	396539
10:46	ZZZZZZ	415698	400216
10:49	ZZZZZZ	406956	400821
10:52	ZZZZZZ	406046	399513
10:55	ZZZZZZ	402207	397845
10:58	MP18451-MB1	411878	406337

INTERNAL STANDARD SUMMARY

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
11:01	MA7209-CCV6	433782	450090
11:04	MA7209-CCB6	420244	441583
11:07	MP18451-B1	410443	398362
11:10	D81294-1	419007	399880
11:14	MP18451-S1	414012	400717
11:17	MP18451-S2	413388	401939
11:20	D81294-2	403070	398111
11:23	D81294-3	407605	386406
11:26	D81294-4	415288	394425
11:29	D81294-5	405192	392371
11:32	D81294-6	410577	397729
11:35	D81294-7	405172	387233
11:38	MA7209-CCV7	440801	447223
11:41	MA7209-CCB7	421386	436272
11:44	D81294-8	399478	386705
11:47	D81294-9	400781	387378
11:50	D81294-10	413019	389909
11:53	MP18447-MB1	417677	411702
11:56	MP18447-B1	407027	396094
12:00	D81295-1	415831	393077
12:03	MP18447-S1	419655	402165
12:06	MP18447-S2	424122	403599
12:09	ZZZZZZ	402781	384413
12:12	ZZZZZZ	403429	387983
12:15	MA7209-CCV8	435341	436507
12:18	MA7209-CCB8	423104	429492
12:21	ZZZZZZ	412393	385949
12:24	ZZZZZZ	407628	383985
12:27	ZZZZZZ	409041	382610
12:30	ZZZZZZ	407799	385156
12:33	ZZZZZZ	406922	386009
12:36	ZZZZZZ	412740	384586
12:40	ZZZZZZ	401709	382824

INTERNAL STANDARD SUMMARY

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
12:43	MP18452-MB1	420241	401814
12:46	MP18452-B1	419395	397055
12:49	D81333-1	409448	385797
12:52	MA7209-CCV9	430672	429843
12:55	MA7209-CCB9	417749	417025
12:58	MP18452-S1	418230	385399
13:01	MP18452-S2	407146	383643
13:04	D81294-11	408302	371466
13:07	D81294-12	403689	379674
13:10	D81294-13	411539	386596
13:13	D81294-14	403197	370721
13:17	D81294-15	416680	381802
13:20	ZZZZZZ	407648	378587
13:23	ZZZZZZ	406024	374405
13:26	ZZZZZZ	408407	372818
13:29	MA7209-CCV10	435942	413205
13:32	MA7209-CCB10	416214	413753
13:35	ZZZZZZ	404822	362076
13:38	MA7209-CCV11	426568	411895
13:41	MA7209-CCB11	409523	407424
14:03	ZZZZZZ	399108	396795
14:06	ZZZZZZ	402218	391683
14:09	MP18453-MB1	378082	358105
14:12	MP18453-B1	386228	358559
14:15	D81333-6	385509	348769
14:26	MP18453-S1	442219	399666
14:29	MP18453-S2	443365	396207
14:32	ZZZZZZ	449246	398780
14:35	ZZZZZZ	444286	403215
14:38	MP18452-B1	454603	416082
14:41	MA7209-CCV12	468425	438157
14:44	MA7209-CCB12	451676	437854

R = Reference for ISTD limits. ! = Outside limits.

INTERNAL STANDARD SUMMARY

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7209
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %
Istd#2	Bismuth	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7209 Units: ug/l

Time: / Sample ID:			08:09 ICB1		08:15 CCB1		08:37 CCB2		09:13 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Copper	2.0	.06	anr							
Lead	0.50	.0079	0.15	<0.50	0.083	<0.50	0.12	<0.50	0.067	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7209 Units: ug/l

Time: / Sample ID:			09:50 CCB4		10:28 CCB5		11:04 CCB6		11:41 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Copper	2.0	.06	anr							
Lead	0.50	.0079	0.071	<0.50	0.11	<0.50	0.088	<0.50	0.077	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7209 Units: ug/l

Time: / Sample ID:			12:18 CCB8		12:55 CCB9		13:32 CCB10		13:41 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Copper	2.0	.06	anr							
Lead	0.50	.0079	0.095	<0.50	0.095	<0.50	0.080	<0.50	0.073	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7209 Units: ug/l

Time:			14:44	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Copper	2.0	.06		
Lead	0.50	.0079	0.17	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		08:06			08:12			08:34	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	100	102	102.0	50	51.4	102.8	50	52.3	104.6

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		09:10			09:47			10:24	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	50	51.6	103.2	50	52.2	104.4	50	51.5	103.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		11:01			11:38			12:15	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	50	52.1	104.2	50	50.4	100.8	50	51.1	102.2

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		12:52			13:29			13:38	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper	anr								
Lead	50	49.6	99.2	50	50.1	100.2	50	49.9	99.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7209 Units: ug/l

Time:		14:41	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Copper			
Lead	50	46.9	93.8

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA041416DW.REP Date Analyzed: 04/14/16 Methods: EPA 200.8
QC Limits: 50 to 150 % Recovery Run ID: MA7209 Units: ug/l

Time:			08:03	
Sample ID:	CRI	CRIA	CRI2	
Metal	True	True	Results	% Rec
Copper	2.0	2.0	anr	
Lead	0.50	0.50	0.51	102.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18451 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	RL	IDL	MDL	MB raw	final
Copper	0.0020	.00006	.00014		
Lead	0.00050	.0000079	.00001	0.000047	<0.00050

Associated samples MP18451: D81294-1, D81294-2, D81294-3, D81294-4, D81294-5, D81294-6, D81294-7, D81294-8, D81294-9, D81294-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18451 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81294-1 Original	MS	Spikelot ICPALL2	% Rec	QC Limits
Copper					
Lead	0.0034	0.18	0.20	88.3	70-130

Associated samples MP18451: D81294-1, D81294-2, D81294-3, D81294-4, D81294-5, D81294-6, D81294-7, D81294-8, D81294-9, D81294-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18451 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81294-1 Original	MSD	Spikelot ICPALL2	% Rec	MSD RPD	QC Limit
Copper						
Lead	0.0034	0.19	0.20	93.3	5.4	20

Associated samples MP18451: D81294-1, D81294-2, D81294-3, D81294-4, D81294-5, D81294-6, D81294-7, D81294-8, D81294-9, D81294-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18451 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	BSP Result	Spikelot ICPALL2	% Rec	QC Limits
Copper				
Lead	0.17	0.20	85.0	85-115

Associated samples MP18451: D81294-1, D81294-2, D81294-3, D81294-4, D81294-5, D81294-6, D81294-7, D81294-8, D81294-9, D81294-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18452 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	RL	IDL	MDL	MB raw	final
Copper	0.0020	.00006	.00014		
Lead	0.00050	.0000079	.00001	0.000018	<0.00050

Associated samples MP18452: D81294-11, D81294-12, D81294-13, D81294-14, D81294-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18452 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81333-1 Original	MS	Spikelot ICPALL2	% Rec	QC Limits
Copper					
Lead	0.0018	0.17	0.20	84.1	70-130

Associated samples MP18452: D81294-11, D81294-12, D81294-13, D81294-14, D81294-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18452 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	D81333-1 Original	MSD	Spikelot ICPALL2	% Rec	MSD RPD	QC Limit
Copper						
Lead	0.0018	0.17	0.20	84.1	0.0	20

Associated samples MP18452: D81294-11, D81294-12, D81294-13, D81294-14, D81294-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D81294
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18452 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/13/16

Metal	BSP Result	Spikelot ICPALL2	% Rec	QC Limits
Copper				
Lead	0.17	0.20	85.0	85-115

Associated samples MP18452: D81294-11, D81294-12, D81294-13, D81294-14, D81294-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

e-Hardcopy 2.0
Automated Report

Technical Report for

PARS Environmental Services

WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

565-84

SGS Accutest Job Number: JC18609

Sampling Date: 04/19/16

Report to:

PARS Environmental, Inc.
500 Horizon Drive Suite 540
Robbinsville, NJ 08691
RTorres@ParsEnviro.com

ATTN: Rafael Torres

Total number of pages in report: **38**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

Sections: 1 2 3 4 5 6

Table of Contents

Sample Summary

PARS Environmental Services

Job No: JC18609

WWP Schools-Village School, 601 New Village Road, West Windsor, NJ
Project No: 565-84

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC18609-1	04/19/16	05:51	RT	04/19/16	DW	Drinking Water	VSE-02-B206-CF-P
JC18609-2	04/19/16	05:52	RT	04/19/16	DW	Drinking Water	VSE-02-B206-CF-F

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	PARS Environmental Services	**Job No**	JC18609
Site:	WWP Schools-Village School, 601 New Village Road, West Winds	**Report Date**	4/25/2016 2:35:20 PM

On 04/19/2016, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 5.6 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JC18609 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

Metals By Method EPA 200.8

Matrix: DW **Batch ID:** MP93240

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC18611-1MS, JC18611-1MSD were used as the QC samples for metals.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JC18609
Account: PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ
Collected: 04/19/16

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC18609-1	**VSE-02-B206-CF-P**					
Lead		0.0015	0.00050		mg/l	EPA 200.8
JC18609-2	**VSE-02-B206-CF-F**					
No hits reported in this sample.						

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	VSE-02-B206-CF-P		
Lab Sample ID:	JC18609-1	**Date Sampled:**	04/19/16
Matrix:	DW - Drinking Water	**Date Received:**	04/19/16
		Percent Solids:	n/a
Project:	WWP Schools-Village School, 601 New Village Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0015	0.015	0.00050	mg/l	1	04/20/16	04/20/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39225
(2) Prep QC Batch: MP93240

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Report of Analysis

Client Sample ID:	VSE-02-B206-CF-F		
Lab Sample ID:	JC18609-2	**Date Sampled:**	04/19/16
Matrix:	DW - Drinking Water	**Date Received:**	04/19/16
		Percent Solids:	n/a
Project:	WWP Schools-Village School, 601 New Village Road, West Windsor, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	04/20/16	04/20/16	JO	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA39225
(2) Prep QC Batch: MP93240

RL = Reporting Limit
MCL = Maximum Contamination Level (NJAC 7:10 11/04)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ACCUTEST LABORATORIES

DW

CHAIN OF CUSTODY

PAGE 1 OF 1

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #

Bottle Order Control #

Accutest Quote #

Accutest Job # JC18609

Client / Reporting Information

Company Name: PARS Environmental Inc.
Street Address: 500 Horizon Drive, Suite 540
City State Zip: Robbinsville, NJ 08691
Project Contact: Rafael L. Torres, III
E-mail:
Phone #: 609-890-7277
Fax #: 609-890-9116
Sampler(s) Name(s): Rafael L. Torres, III
Phone #: 609-254-8884

Project Information

Project Name: WWP Schools - Village School
Street: 601 New Village Road
City State: West Windsor NJ
Project #: 565-84
Client Purchase Order #:
Project Manager: Rafael L. Torres, III

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

PBMS

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	PBMS	LAB USE ONLY
1	VSE-02-B206-CF-P		4/19/16	0551	RT	DW	1			1						1	
2	VSE-02-B206-CF-F		4/19/16	0552	RT	DW	1			1						1	A15

INITIAL ASSESSMENT 28/16

LABEL VERIFICATION

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [X] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] other

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1	Date Time: 4/19/16	Received By: 1	4-19-16 1545	Relinquished By: 2	Date Time: 4-19-16 1645	Received By: 2	
Relinquished by Sampler: 3	Date Time:	Received By: 3		Relinquished By: 4	Date Time:	Received By: 4	
Relinquished by: 5	Date Time:	Received By: 5		Custody Seal #	[ ] Intact [ ] Not intact	Preserved where applicable [X]	On Ice [X] Cooler Temp. 5.2

JR

5.1 5

JC18609: Chain of Custody
Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: JC18609 **Client:** _____ **Project:** _____

Date / Time Received: 4/19/2016 4:45:00 PM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (5.2);

Cooler Temps (Corrected) °C: Cooler 1: (5.6);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

JC18609: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

PARS Environmental Services

Job No: JC18609

WWP Schools-Village School, 601 New Village Road, West Windsor, NJ
Project No: 565-84

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC18609-1	Collected: 19-APR-16 05:51 By: RT			Received: 19-APR-16	By: AS	
VSE-02-B206-CF-P						
JC18609-1	EPA 200.8	20-APR-16 12:03	JO	20-APR-16	JO	PBMS
JC18609-2	Collected: 19-APR-16 05:52 By: RT			Received: 19-APR-16	By: AS	
VSE-02-B206-CF-F						
JC18609-2	EPA 200.8	20-APR-16 12:06	JO	20-APR-16	JO	PBMS

SGS Accutest Internal Chain of Custody

Job Number: JC18609
Account: PARS PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ
Received: 04/19/16

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC18609-1.1	Secured Storage	Jaclyn O'Connor	04/20/16 11:23	Retrieve from Storage
JC18609-1.1	Jaclyn O'Connor	Secured Storage	04/20/16 14:40	Return to Storage
JC18609-1.1	Secured Storage	Christopher Hall	04/20/16 15:46	Retrieve from Storage
JC18609-1.1	Christopher Hall	Secured Staging Area	04/20/16 15:47	Return to Storage
JC18609-1.1	Secured Staging Area	Christopher Hall	04/20/16 15:47	Retrieve from Storage
JC18609-1.1	Shirley Grzybowski	Secured Storage	04/23/16 07:21	Return to Storage
Analyst unavailable for custody transfer.				
JC18609-2.1	Secured Storage	Jaclyn O'Connor	04/20/16 11:23	Retrieve from Storage
JC18609-2.1	Jaclyn O'Connor	Secured Storage	04/20/16 14:40	Return to Storage
JC18609-2.1	Secured Storage	Christopher Hall	04/20/16 15:46	Retrieve from Storage
JC18609-2.1	Christopher Hall	Secured Staging Area	04/20/16 15:47	Return to Storage
JC18609-2.1	Secured Staging Area	Christopher Hall	04/20/16 15:47	Retrieve from Storage
JC18609-2.1	Shirley Grzybowski	Secured Storage	04/23/16 07:21	Return to Storage
Analyst unavailable for custody transfer.				

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39225
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:13	MA39225-STD1	1		STDA
10:17	MA39225-STD2	1		STDA
10:20	MA39225-STD3	1		STDA
10:23	MA39225-STD4	1		STDB1
10:26	MA39225-STD5	1		STDB
10:30	MA39225-STD6	1		STDC
10:33	MA39225-STD7	1		STDD
10:36	MA39225-STD8	1		STDE
10:39	MA39225-STD9	1		STDF
10:43	MA39225-STD10	1		STDG
10:46	MA39225-STD11	1		STDH
10:49	MA39225-STD12	1		STDI
10:53	MA39225-STD13	1		STDJ
11:02	ZZZZZZ	1		
11:06	MA39225-ICVA1	1		
11:09	MA39225-ICV1	1		60ppb Al.
11:12	MA39225-ICB1	1		
11:16	MA39225-CRI1	1		
11:19	MA39225-CRIA1	1		0.3ppb Be, 1ppb As and Se
11:22	MA39225-CCVA1	1		
11:26	MA39225-CCB1	1		
11:29	MP93240-MB1	1		
11:32	MP93240-B1	1		
11:35	MP93240-S1	1		To reanalysis, FB used as QC
11:39	MP93240-S2	1		To reanalysis, FB used as QC
11:42	JC18558-2	1		(sample used for QC only; not part of login JC18609)
11:45	ZZZZZZ	1		
11:49	ZZZZZZ	1		
11:52	ZZZZZZ	1		
11:55	MA39225-CCVA2	1		
11:59	MA39225-CCB2	1		
12:03	JC18609-1	1		
12:06	JC18609-2	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39225
Parameters: Pb

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	12:10	MP93240-B1	2		Ag
----------->	Last reportable sample/prep for job JC18609				
	12:13	MP93240-S1	2		Not needed
	12:16	MP93240-S2	2		Not needed
	12:20	MP93240-S1	1		Ag
	12:24	MA39225-CCVA3	1		
	12:27	MA39225-CCB3	1		
----------->	Last reportable CCB for job JC18609				
	12:30	MP93239-MB1	1		
	12:34	MP93239-B1	1		
	12:37	MP93239-S1	1		
	12:40	MP93239-S2	1		
	12:44	ZZZZZZ	1		
	12:47	JC18578-1	1		(sample used for QC only; not part of login JC18609)
	12:50	ZZZZZZ	1		
	12:54	ZZZZZZ	1		
	12:57	ZZZZZZ	1		
	13:00	MA39225-CCVA4	1		
	13:04	MA39225-CCB4	1		
	13:07	ZZZZZZ	1		
	13:11	ZZZZZZ	1		
	13:14	ZZZZZZ	1		
	13:17	ZZZZZZ	1		
	13:21	ZZZZZZ	1		
	13:24	MA39225-CCVA5	1		
	13:28	MA39225-CCB5	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39225
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
10:13	MA39225-STD1	100	100	100	100	100	100	100	100
10:17	MA39225-STD2	100	100	100	100	100	100	100	100
10:20	MA39225-STD3	100	100	100	100	100	100	100	100
10:23	MA39225-STD4	97.136	100.109	99.561	99.894	98.21	99.583	100.206	100.63
10:26	MA39225-STD5	101.693	100.647	101.766	100.965	99.612	100.872	101.65	102.393
10:30	MA39225-STD6	98.284	99.834	101.03	100.644	100.017	100.176	100.852	101.396
10:33	MA39225-STD7	98.599	99.974	100.638	100.73	99.689	99.619	100.899	101.788
10:36	MA39225-STD8	97.958	99.632	100.451	100.08	99.249	100.486	101.413	101.361
10:39	MA39225-STD9	99.138	98.591	99.784	101.28	98.602	99.536	100.539	101.681
10:43	MA39225-STD10	98.083	100.336	100.348	100.016	99.373	100.65	100.264	101.467
10:46	MA39225-STD11	99.312	99.829	100.302	100.779	98.827	100.791	101.614	102.107
10:49	MA39225-STD12	96.135	98.643	99.745	99.27	96.553	98.533	100.237	101.613
10:53	MA39225-STD13	96.667	99.986	101.866	99.976	96.577	99.371	101.404	102.498
11:02	ZZZZZZ	101.15	102.874	102.6	103.465	101.676	101.813	101.364	101.571
11:06	MA39225-ICVA1	99.621	100.65	102.413	102.603	98.268	100.467	101.872	103.022
11:09	MA39225-ICV1	99.284	100.065	100.578	100.934	99.631	100.382	100.699	101.331
11:12	MA39225-ICB1	101.772	101.299	101.574	102.309	100.269	101.212	100.726	101.775
11:16	MA39225-CRI1	103.191	101.487	101.802	102.612	100.562	101.989	102.189	102.51
11:19	MA39225-CRIA1	102.388	100.791	101.076	101.311	101.02	101.674	100.868	101.758
11:22	MA39225-CCVA1	105.243	102.025	102.666	101.204	98.976	100.591	102.794	103.722
11:26	MA39225-CCB1	104.41	100.998	100.111	100.443	100.072	101.211	100.949	102.177
11:29	MP93240-MB1	103.833	102.082	101.447	101.798	100.626	101.429	101.543	102.27
11:32	MP93240-B1	105.038	101.973	101.762	102.449	99.762	101.323	101.722	103.105
11:35	MP93240-S1	No results reported for the elements associated with this internal standard.							
11:39	MP93240-S2	No results reported for the elements associated with this internal standard.							
11:42	JC18558-2	122.105	103.478	102.754	104.284	102.779	103.229	103.53	105.186
11:45	ZZZZZZ	118.515	102.114	102.017	102.763	96.27	101.457	102.957	104.124
11:49	ZZZZZZ	120.827	102.137	102.434	102.788	96.758	101.583	103.919	106.015
11:52	ZZZZZZ	126.237	!a102.526	102.168	102.932	99.78	104.033	105.656	107.127
11:55	MA39225-CCVA2	110.891	100.431	100.322	100.636	96.85	98.51	101.64	102.81
11:59	MA39225-CCB2	110.071	100.531	99.881	99.991	99.176	99.896	99.77	101.414
12:03	JC18609-1	117.916	101.317	100.808	101.629	95.472	99.812	101.712	103.33
12:06	JC18609-2	121.735	102.325	101.834	102.631	97.801	102.345	104.783	105.508

INTERNAL STANDARD SUMMARY

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39225
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
12:10	MP93240-B1	108.892	98.815	98.794	99.089	97.406	98.312	98.688	99.524
12:13	MP93240-S1	No results reported for the elements associated with this internal standard.							
12:16	MP93240-S2	No results reported for the elements associated with this internal standard.							
12:20	MP93240-S1	No results reported for the elements associated with this internal standard.							
12:24	MA39225-CCVA3	109.476	97.422	97.657	97.844	94.868	97.472	99.595	100.945
12:27	MA39225-CCB3	106.052	97.307	96.198	96.016	96.516	96.739	97.65	99.734
12:30	MP93239-MB1	107.104	96.636	95.749	95.961	96.2	96.985	97.427	98.175
12:34	MP93239-B1	105.706	97.314	97.781	98.369	95.633	96.475	97.973	99.381
12:37	MP93239-S1	118.238	99.873	99.742	100.837	96.453	99.346	101.996	103.612
12:40	MP93239-S2	117.812	96.894	97.211	98.43	93.906	97.311	100.812	102.342
12:44	ZZZZZZ	110.394	95.257	95.335	96.402	95.165	96.771	97.271	98.386
12:47	JC18578-1	117.767	98.111	97.517	99.116	94.084	96.427	99.447	101.276
12:50	ZZZZZZ	120.903	98.03	98.046	98.192	94.212	98.739	100.707	102.592
12:54	ZZZZZZ	121.069	97.952	98.449	98.978	94.767	98.714	101.634	103.838
12:57	ZZZZZZ	125.345	!a101.104	99.124	101.001	97.389	101.317	103.868	105.776
13:00	MA39225-CCVA4	111.684	95.019	95.504	95.068	93.41	95.257	98.603	100.406
13:04	MA39225-CCB4	108.561	95.146	93.067	94.484	93.779	95.648	95.668	96.727
13:07	ZZZZZZ	115.934	91.858	90.804	91.386	88.169	91.588	96.387	98.4
13:11	ZZZZZZ	126.404	!a98.252	99.178	99.658	97.116	100.844	103.898	106.355
13:14	ZZZZZZ	123.8	97.223	98.112	98.421	95.338	99.116	102.1	104.269
13:17	ZZZZZZ	122.23	98.942	98.354	99.57	95.146	98.735	103.358	104.843
13:21	ZZZZZZ	122.261	101.136	101.712	101.294	97.456	100.899	103.808	106.488
13:24	MA39225-CCVA5	112.678	99.422	100.03	99.454	97.33	99.18	103.883	104.777
13:28	MA39225-CCB5	108.781	98.619	99.215	99.4	98.215	98.274	99.497	101.455

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Lithium	60-125 %
Istd#2	Scandium	60-125 %
Istd#3	Germanium (72-1)	60-125 %
Istd#4	Germanium (74-1)	60-125 %
Istd#5	Rhodium	60-125 %
Istd#6	Indium	60-125 %
Istd#7	Terbium	60-125 %
Istd#8	Holmium	60-125 %

(a) No samples reported for the elements associated with this internal standard.

INTERNAL STANDARD SUMMARY

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39225
Parameters: Pb

Time	Sample Description	Istd#9
10:13	MA39225-STD1	100
10:17	MA39225-STD2	100
10:20	MA39225-STD3	100
10:23	MA39225-STD4	100.54
10:26	MA39225-STD5	101.62
10:30	MA39225-STD6	101.19
10:33	MA39225-STD7	102.137
10:36	MA39225-STD8	102.603
10:39	MA39225-STD9	102.713
10:43	MA39225-STD10	100.454
10:46	MA39225-STD11	101.155
10:49	MA39225-STD12	99.869
10:53	MA39225-STD13	99.487
11:02	ZZZZZZ	100.847
11:06	MA39225-ICVA1	102.055
11:09	MA39225-ICV1	101.34
11:12	MA39225-ICB1	101.642
11:16	MA39225-CRI1	102.242
11:19	MA39225-CRIA1	102.023
11:22	MA39225-CCVA1	101.517
11:26	MA39225-CCB1	102.023
11:29	MP93240-MB1	101.889
11:32	MP93240-B1	102.405
11:35	MP93240-S1	No results reported for the elements associated with this internal standard.
11:39	MP93240-S2	No results reported for the elements associated with this internal standard.
11:42	JC18558-2	105.996
11:45	ZZZZZZ	101.353
11:49	ZZZZZZ	103.168
11:52	ZZZZZZ	110.851
11:55	MA39225-CCVA2	101.56
11:59	MA39225-CCB2	101.351
12:03	JC18609-1	99.33
12:06	JC18609-2	101.898

INTERNAL STANDARD SUMMARY

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39225
Parameters: Pb

Time	Sample Description	Istd#9
12:10	MP93240-B1	101.109
12:13	MP93240-S1	No results reported for the elements associated with this internal standard.
12:16	MP93240-S2	No results reported for the elements associated with this internal standard.
12:20	MP93240-S1	No results reported for the elements associated with this internal standard.
12:24	MA39225-CCVA3	99.488
12:27	MA39225-CCB3	99.198
12:30	MP93239-MB1	98.782
12:34	MP93239-B1	100.245
12:37	MP93239-S1	101.457
12:40	MP93239-S2	100.752
12:44	ZZZZZZ	98.931
12:47	JC18578-1	99.818
12:50	ZZZZZZ	101.232
12:54	ZZZZZZ	102.381
12:57	ZZZZZZ	104.805
13:00	MA39225-CCVA4	100.809
13:04	MA39225-CCB4	97.436
13:07	ZZZZZZ	98.517
13:11	ZZZZZZ	105.093
13:14	ZZZZZZ	103.696
13:17	ZZZZZZ	102.479
13:21	ZZZZZZ	103.51
13:24	MA39225-CCVA5	103.826
13:28	MA39225-CCB5	102.352

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#9	Bismuth	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA39225 Units: ug/l

Time: / Sample ID:			11:12 ICB1		11:26 CCB1		11:59 CCB2		12:27 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	50	.1								
Antimony	2.0	.12	anr							
Arsenic	1.0	.38	anr							
Barium	1.0	.011								
Beryllium	0.30	.004	anr							
Boron	50	3.2								
Cadmium	0.50	.008	anr							
Calcium	250	2.7								
Chromium	4.0	.019								
Cobalt	0.50	.003								
Copper	4.0	.02								
Iron	50	1.1								
Lead	0.50	.009	0.0059	<0.50	0.018	<0.50	0.027	<0.50	0.042	<0.50
Magnesium	250	.17								
Manganese	1.0	.019								
Molybdenum	1.0	.02								
Nickel	4.0	.028								
Potassium	250	2								
Selenium	1.0	.29	anr							
Silver	2.0	.019	anr							
Sodium	250	3.9								
Strontium	1.0	.009								
Thallium	0.50	.016	anr							
Tin	1.0	.039								
Titanium	1.0	.034								
Vanadium	4.0	.11								
Zinc	10	.29								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39225 Units: ug/l

Time:		11:06			11:09			11:22	
Sample ID:	ICVA	ICVA1		ICV	ICV1		CCVA	CCVA1	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	60	57.8	96.3				50	50.6	101.2
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39225 Units: ug/l

Time:		11:55			12:24	
Sample ID:	CCVA	CCVA2		CCVA	CCVA3	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium						
Beryllium	anr					
Boron						
Cadmium	anr					
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	50	47.6	95.2	50	47.7	95.4
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium						
Zinc						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XB042016W1.CSV Date Analyzed: 04/20/16 Methods: EPA 200.8
QC Limits: 70 to 130 % Recovery Run ID: MA39225 Units: ug/l

Time:			11:16		11:19	
Sample ID:	CRI	CRIA	CRI1		CRIA1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	25	25				
Antimony	2.0	0.25	anr			
Arsenic	0.50	1.0				
Barium	1.0	0.50				
Beryllium	0.50	0.30	anr			
Boron	25	2.5				
Cadmium	0.50	0.25	anr			
Calcium	250	125				
Chromium	1.0	2.0				
Cobalt	0.50	0.25				
Copper	2.0	2.0				
Iron	25	25				
Lead	0.50	0.25	0.50	100.0		
Magnesium	250	125				
Manganese	0.50	0.25				
Molybdenum	1.0	0.50				
Nickel	1.0	2.0				
Potassium	250	125				
Selenium	0.50	1.0	anr			
Silver	0.50	1.0	anr			
Sodium	250	125				
Strontium	5.0	0.50				
Thallium	0.50	0.25	anr			
Tin	5.0	0.50				
Titanium	1.0	0.50				
Vanadium	1.0	2.0				
Zinc	5.0	2.0				

(*) Outside of QC limits
(anr) Analyte not requested

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XA042116W1.CSV Date Analyzed: 04/21/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39233
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:32	MA39233-STD1	1		STDA
09:35	MA39233-STD2	1		STDA
09:38	MA39233-STD3	1		STDA
09:41	MA39233-STD4	1		STDB1
09:44	MA39233-STD5	1		STDB
09:48	MA39233-STD6	1		STDC
09:51	MA39233-STD7	1		STDD
09:54	MA39233-STD8	1		STDE
09:57	MA39233-STD9	1		STDF
10:00	MA39233-STD10	1		STDG
10:03	MA39233-STD11	1		STDH
10:06	MA39233-STD12	1		STDI
10:10	MA39233-STD13	1		STDJ
10:14	MA39233-STD14	1		STDA
10:17	ZZZZZZ	1		
10:20	ZZZZZZ	1		
10:24	MA39233-ICVA1	1		
10:27	MA39233-ICV1	1		60ppb Al
10:33	MA39233-ICB1	1		
10:36	MA39233-CRI1	1		
10:39	MA39233-CRIA1	1		0.3ppb Be, 1ppb As and Se
10:42	MA39233-CCVA1	1		
10:45	MA39233-CCB1	1		
11:05	MP93240-MB2	1		
11:09	MP93240-B2	1		
11:12	MP93240-B2	2		Ag
11:15	MP93240-S1	1		
11:18	MP93240-S2	1		
11:21	ZZZZZZ	1		
11:24	MA39233-CCVA2	1		
11:28	MA39233-CCB2	1		
11:31	MP93240-S1	2		Ag
11:34	MP93240-S2	2		Ag
---------->	Last reportable sample/prep for job JC18609			

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XA042116W1.CSV Date Analyzed: 04/21/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39233
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:37	JC18611-1	1		(sample used for QC only; not part of login JC18609)
11:40	ZZZZZZ	1		
11:44	ZZZZZZ	1		
11:47	ZZZZZZ	1		
11:50	MA39233-CCVA3	1		
11:53	MA39233-CCB3	1		

----------> Last reportable CCB for job JC18609
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XA042116W1.CSV Date Analyzed: 04/21/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39233
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
09:32	MA39233-STD1	100	100	100	100	100	100	100	100
09:35	MA39233-STD2	100	100	100	100	100	100	100	100
09:38	MA39233-STD3	100	100	100	100	100	100	100	100
09:41	MA39233-STD4	97.892	98.055	99.15	98.605	99.536	99.432	101.708	99.92
09:44	MA39233-STD5	96.884	98.682	99.226	98.547	99.78	100.579	99.311	100.083
09:48	MA39233-STD6	97.311	98.911	99.972	98.5	100.397	100.198	100.025	100.312
09:51	MA39233-STD7	97.426	97.529	98.528	97.926	99.863	100.138	99.726	100.298
09:54	MA39233-STD8	99.084	101.896	101.873	102.258	103.32	103.159	104.084	104.974
09:57	MA39233-STD9	96.317	97.677	99.274	97.706	99.07	99.341	100.221	100.798
10:00	MA39233-STD10	95.972	97.204	98.717	97.237	99.658	100.757	100.851	100.956
10:03	MA39233-STD11	97.523	98.36	99.757	98.163	99.501	100.777	100.451	100.908
10:06	MA39233-STD12	97.043	98.107	98.633	99.316	98.419	99.65	100.856	100.866
10:10	MA39233-STD13	96.287	98.831	99.458	98.306	96.839	98.317	100.384	101.159
10:14	MA39233-STD14	100	100	100	100	100	100	100	100
10:17	ZZZZZZ	97.872	99.211	99.136	99.795	99.551	99.577	101.436	100.919
10:20	ZZZZZZ	97.316	100.42	99.905	99.748	100.506	100.73	100.684	100.238
10:24	MA39233-ICVA1	96.565	100.703	101.575	100.144	98.59	99.856	101.778	101.649
10:27	MA39233-ICV1	96.937	99.935	99.001	98.781	100.124	100.364	101.165	99.978
10:33	MA39233-ICB1	98.791	100.81	101.466	100.962	101.509	101.324	100.977	101.085
10:36	MA39233-CRI1	97.19	100.814	98.991	99.101	101.035	100.703	101.718	101.216
10:39	MA39233-CRIA1	96.676	99.7	99.795	98.089	100.507	101.001	101.069	100.832
10:42	MA39233-CCVA1	97.454	100.363	100.798	99.396	99.352	100.221	102.003	101.67
10:45	MA39233-CCB1	98.871	101.669	99.548	99.598	100.983	101.549	101.059	100.669
11:05	MP93240-MB2	98.162	99.623	99.999	100.34	101.81	100.315	101.631	100.685
11:09	MP93240-B2	99.591	101.858	101.512	102.164	100	101.121	102.156	101.528
11:12	MP93240-B2	98.058	100.182	99.768	100.163	99.977	100.795	101.672	101.77
11:15	MP93240-S1	111.538	112.37	108.087	108.607	102.134	104.553	103.64	103.933
11:18	MP93240-S2	110.785	111.772	107.199	107.115	100.885	102.668	101.806	101.959
11:21	ZZZZZZ	99.701	100.916	99.253	99.874	100.542	100.087	100.354	100.1
11:24	MA39233-CCVA2	96.786	100.398	100.804	100.66	99.172	100.137	101.696	101.823
11:28	MA39233-CCB2	97.918	99.844	99.722	99.421	100.416	100.326	100.573	99.657
11:31	MP93240-S1	101.643	108.259	103.923	104.012	100.666	102.822	102.291	101.738
11:34	MP93240-S2	102.604	107.823	105.25	105.271	100.315	103.243	102.349	102.287

INTERNAL STANDARD SUMMARY

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XA042116W1.CSV Date Analyzed: 04/21/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39233
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
11:37	JC18611-1	110.62	114.353	109.841	109.657	103.12	106.031	103.884	103.743
11:40	ZZZZZZ	112.201	115.459	109.628	109.674	103.693	105.594	104.725	103.961
11:44	ZZZZZZ	112.953	116.201	112.303	112.885	104.03	107.121	105.5	104.76
11:47	ZZZZZZ	97.814	102.509	102.309	102.404	103.252	102.89	101.889	102.386
11:50	MA39233-CCVA3	95.881	100.444	102.521	101.507	99.057	100.897	102.901	102.252
11:53	MA39233-CCB3	97.079	101.581	101.203	102.108	102.399	102.495	102.567	102.198

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Lithium	60-125 %
Istd#2	Scandium	60-125 %
Istd#3	Germanium (72-1)	60-125 %
Istd#4	Germanium (74-1)	60-125 %
Istd#5	Rhodium	60-125 %
Istd#6	Indium	60-125 %
Istd#7	Terbium	60-125 %
Istd#8	Holmium	60-125 %

INTERNAL STANDARD SUMMARY

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XA042116W1.CSV Date Analyzed: 04/21/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39233
Parameters: Pb

Time	Sample Description	Istd#9
09:32	MA39233-STD1	100
09:35	MA39233-STD2	100
09:38	MA39233-STD3	100
09:41	MA39233-STD4	101.595
09:44	MA39233-STD5	100.682
09:48	MA39233-STD6	101.637
09:51	MA39233-STD7	101.83
09:54	MA39233-STD8	105.123
09:57	MA39233-STD9	102.151
10:00	MA39233-STD10	100.667
10:03	MA39233-STD11	101.38
10:06	MA39233-STD12	100.576
10:10	MA39233-STD13	99.324
10:14	MA39233-STD14	100
10:17	ZZZZZZ	102.538
10:20	ZZZZZZ	101.443
10:24	MA39233-ICVA1	100.427
10:27	MA39233-ICV1	101.038
10:33	MA39233-ICB1	101.421
10:36	MA39233-CRI1	102.191
10:39	MA39233-CRIA1	101.35
10:42	MA39233-CCVA1	100.582
10:45	MA39233-CCB1	101.323
11:05	MP93240-MB2	102.217
11:09	MP93240-B2	101.943
11:12	MP93240-B2	102.106
11:15	MP93240-S1	98.223
11:18	MP93240-S2	97.115
11:21	ZZZZZZ	100.969
11:24	MA39233-CCVA2	100.613
11:28	MA39233-CCB2	100.503
11:31	MP93240-S1	100.237
11:34	MP93240-S2	101.953

INTERNAL STANDARD SUMMARY

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XA042116W1.CSV Date Analyzed: 04/21/16 Methods: EPA 200.8
Analyst: JO Run ID: MA39233
Parameters: Pb

Time	Sample Description	Istd#9
11:37	JC18611-1	99.334
11:40	ZZZZZZ	98.371
11:44	ZZZZZZ	96.489
11:47	ZZZZZZ	102.527
11:50	MA39233-CCVA3	100.652
11:53	MA39233-CCB3	102.19

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#9	Bismuth	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XA042116W1.CSV Date Analyzed: 04/21/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA39233 Units: ug/l

Time: / Sample ID:			10:33 ICB1		10:45 CCB1		11:28 CCB2		11:53 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	50	.94								
Antimony	2.0	.1	anr							
Arsenic	1.0	.69	anr							
Barium	1.0	.033								
Beryllium	0.30	.008	anr							
Boron	50	1.5								
Cadmium	0.50	.02	anr							
Calcium	250	9.7								
Chromium	4.0	.049								
Cobalt	0.50	.014								
Copper	4.0	.15								
Iron	50	6.3								
Lead	0.50	.007	0.020	<0.50	0.027	<0.50	0.022	<0.50	0.020	<0.50
Magnesium	250	.063								
Manganese	1.0	.04								
Molybdenum	1.0	.016								
Nickel	4.0	.037								
Potassium	250	7.2								
Selenium	1.0	.38	anr							
Silver	2.0	.006	anr							
Sodium	250	.34								
Strontium	1.0	.01								
Thallium	0.50	.015	anr							
Tin	1.0	.035								
Titanium	1.0	.098								
Vanadium	4.0	.29								
Zinc	10	.11								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XA042116W1.CSV Date Analyzed: 04/21/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39233 Units: ug/l

Time:		10:24			10:27			10:42	
Sample ID:	ICVA	ICVA1		ICV	ICV1		CCVA	CCVA1	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	60	60.8	101.3				50	51.5	103.0
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XA042116W1.CSV Date Analyzed: 04/21/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA39233 Units: ug/l

Time:		11:24			11:50	
Sample ID:	CCVA	CCVA2		CCVA	CCVA3	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium						
Beryllium	anr					
Boron						
Cadmium	anr					
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	50	51.4	102.8	50	51.2	102.4
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium						
Zinc						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

File ID: XA042116W1.CSV Date Analyzed: 04/21/16 Methods: EPA 200.8
QC Limits: 70 to 130 % Recovery Run ID: MA39233 Units: ug/l

Time:			10:36		10:39	
Sample ID:	CRI	CRIA	CRI1		CRIA1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	25	25				
Antimony	2.0	0.25	anr			
Arsenic	0.50	1.0				
Barium	1.0	0.50				
Beryllium	0.50	0.30				
Boron	25	2.5				
Cadmium	0.50	0.25	anr			
Calcium	250	125				
Chromium	1.0	2.0				
Cobalt	0.50	0.25				
Copper	2.0	2.0				
Iron	25	25				
Lead	0.50	0.25	0.50	100.0		
Magnesium	250	125				
Manganese	0.50	0.25				
Molybdenum	1.0	0.50				
Nickel	1.0	2.0				
Potassium	250	125				
Selenium	0.50	1.0				
Silver	0.50	1.0	anr			
Sodium	250	125				
Strontium	5.0	0.50				
Thallium	0.50	0.25	anr			
Tin	5.0	0.50				
Titanium	1.0	0.50				
Vanadium	1.0	2.0				
Zinc	5.0	2.0				

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

QC Batch ID: MP93240 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/20/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	0.050	.0001	.00074		
Antimony	0.0020	.0001	.00021		
Arsenic	0.0010	.00038	.00081		
Barium	0.0010	.000011	.000044		
Beryllium	0.00030	.000004	.000079		
Boron	0.050	.0015			
Cadmium	0.00050	.000008	.000041		
Calcium	0.25	.0027	.0075		
Chromium	0.0040	.000019	.00018		
Cobalt	0.00050	.000003	.000014		
Copper	0.0040	.00002	.0012		
Iron	0.050	.0011	.009		
Lead	0.00050	.000007	.000018	0.00011	<0.00050
Magnesium	0.25	.000063	.00051		
Manganese	0.0010	.000019	.00006		
Molybdenum	0.0010	.000016	.000059		
Nickel	0.0040	.000028	.00023		
Potassium	0.25	.002	.015		
Selenium	0.0010	.00029	.00051		
Silver	0.0020	.000006	.000022		
Sodium	0.25	.00034	.015		
Strontium	0.0010	.000009	.000014		
Thallium	0.00050	.000015	.0001		
Tin	0.0010	.000035	.000043		
Titanium	0.0010	.000034	.00038		
Vanadium	0.0040	.00011	.00082		
Zinc	0.010	.00011	.00061		

Associated samples MP93240: JC18609-1, JC18609-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

QC Batch ID: MP93240 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/21/16

Metal	JC18611-1 Original	MS	Spikelot MPXDW7	% Rec	QC Limits
Aluminum					
Antimony	anr				
Arsenic	anr				
Barium					
Beryllium	anr				
Boron					
Cadmium	anr				
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead	0.00011	0.10	0.10	99.9	70-130
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium	anr				
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP93240: JC18609-1, JC18609-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

QC Batch ID: MP93240 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/21/16

Metal	JC18611-1 Original	MSD	Spikelot MPXDW7	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium						
Beryllium	anr					
Boron						
Cadmium	anr					
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	0.00011	0.11	0.10	109.9	9.5	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP93240: JC18609-1, JC18609-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC18609
Account: PARS - PARS Environmental Services
Project: WWP Schools-Village School, 601 New Village Road, West Windsor, NJ

QC Batch ID: MP93240 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 04/20/16

Metal	BSP Result	Spikelot MPXDW7	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium				
Beryllium	anr			
Boron				
Cadmium	anr			
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	0.093	0.10	93.0	85-115
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP93240: JC18609-1, JC18609-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

APPENDIX B
LABORATORY CERTIFICATION

State of New Jersey

Department of Environmental Protection

Certifies That

SGS Accutest Inc. – Wheat Ridge

Laboratory Certification ID # CO007

is hereby approved as a

Nationally Accredited Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List which must accompany this certificate to be valid

having duly met the requirements of the

Regulations Governing the Certification of Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the 2009 TNI Standard approved by the

The NELAC Institute

Expires June 30, 2016

Joseph F. Aiello
Assistant Director

NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

State of New Jersey

Department of Environmental Protection

Certifies That

SGS Accutest Inc. - Dayton

Laboratory Certification ID # 12129

is hereby approved as a

Nationally Accredited Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List which must accompany this certificate to be valid

having duly met the requirements of the

Regulations Governing the Certification of Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the 2009 TNI Standard approved by the

The NELAC Institute

Expires June 30, 2016

Michele M. Potte for JFA

Joseph F. Aiello
Assistant Director

NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

PARS
Environmental
Inc.

LEAD IN DRINKING WATER TESTING REPORT

WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
WICOFF ELEMENTARY SCHOOL
510 PLAINSBORO ROAD
PLAINSBORO, NEW JERSEY 08536

PREPARED FOR

West Windsor-Plainsboro Regional School District
505 Village Road West
PO Box 505
West Windsor, New Jersey 08550

PREPARED BY

PARS Environmental, Inc.
500 Horizon Drive, Suite 540
Robbinsville, New Jersey 08691
Tel: 609-890-7277
Fax: 609-890-9116

PARS Project No. 565-84

April 2016

TABLE OF CONTENTS

EXECUTIVE SUMMARY

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at the Wicoff Elementary School (WES). PARS conducted the lead in drinking water testing on March 24, 2016. The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the United States Environmental Protection Agency (USEPA) *3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance (USEPA 3Ts).* PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

FINDINGS

The USEPA National Primary Drinking Water Regulations requires that immediate action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 milligrams per liter (mg/l). Exceedance of the 0.015 mg/l action level was not identified in WES. A total of 10 water samples were collected and analyzed.

Based on the laboratory analytical results, no further investigation is warranted at this time. PARS recommends periodic testing per state and federal regulations.

1.0 INTRODUCTION

PARS Environmental, Inc. (PARS) was retained by the West Windsor-Plainsboro Regional School District (WWP) to conduct lead in drinking water testing at the Wicoff Elementary School (WES). The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the *USEPA 3Ts*. PARS collected the water samples from drinking water outlets in the building where water is normally drawn for drinking or food preparation for children, classroom combination sinks and drinking fountains, home economics/life science classrooms, nurse's office sink, classroom sinks in special education classrooms, faculty lounge sinks, and kitchen sinks. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

Sampling methodology is described in Section 2.0, the Lead in Drinking Water Findings are discussed in Section 3.0, and the Conclusions and Recommendations are presented in Section 4.0. A list of the sample locations and results are provided in **Table 1**. The Laboratory Analytical Report and Laboratory NELAC Certification are provided in **Appendix A** and **B**, respectively.

This report is intended for the sole use of WWP. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations, is at risk of said user.

2.0 LEAD IN DRINKING WATER SAMPLING

PARS conducted lead in drinking water testing at the WES on March 24, 2016. The lead in drinking water sampling was conducted by Christa Casciolini and Melissa Konieczny of PARS.

PARS performed lead in drinking water testing at a total of eight (8) drinking water fountains (bubbler and cooler units) and two (2) faucets in the nurse's office and kitchen locations in the elementary school.

All samples were collected following the USEPA First Draw sampling protocol. The First Draw sample collection occurred in the morning prior to the facility opening and before any water was drawn in the building, including toilet flushing. The water was unused for six (6) to eight (8) hours prior to collection. Arrangements were made to sample the water outlets prior to the arrival of teachers and students.

The samples were placed in pre-preserved plastic bottles and submitted for laboratory analysis to SGS Accutest for two-week turnaround. SGS Accutest is a New Jersey Department of Environmental Protection (NJDEP) certified laboratory for lead in drinking water (NELAC #CO007). All samples were analyzed using USEPA Method 200.8 for the determination of trace elements in waters and wastes by inductively coupled plasma – mass spectrometry (ICP-MS). Chain-of-custody protocols were followed.

3.0 LEAD IN DRINKING WATER FINDINGS

Based on the laboratory analytical results, lead concentrations exceeding 0.015 mg/l action level were not identified in the 10 water samples collected at WES.

Lead in drinking water tabulated results for the WES are provided in **Table 1**. The laboratory analytical report is included in **Appendix A.** The laboratory certification is included in **Appendix B**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

A total of eight (8) drinking water fountains and two (2) faucets in the nurse's office and kitchen locations were tested at the WES. The USEPA recommends that action be taken if samples from any drinking water outlet exhibit lead concentrations greater than (>) 0.015 mg/l. None of the 10 outlets sampled in the WES exceeded the 0.015 mg/l action level.

Based on the laboratory analytical results, no further investigation is warranted at this time. PARS recommends periodic testing per state and federal regulations.

-o0o-

PARS appreciates the opportunity to assist West Windsor-Plainsboro Regional School District with this project. Should you have any questions or comments please feel free to contact us at (609) 890-7277.

Respectfully submitted,

PARS ENVIRONMENTAL, INC.

Christa M. Casciolini
Project Geologist

Margaret Halasnik
Principal Industrial Hygienist

TABLE 1
DRINKING WATER RESULTS TABLE

TABLE 1
LEAD IN DRINKING WATER TESTING REPORT
WEST WINDSOR-PLAINSBORO REGIONAL SCHOOL DISTRICT
WICOFF ELEMENTARY SCHOOL
APRIL 2016

All samples are primary (first draw) samples.
All faucets sampled are cold water, unless noted.
EPA Action limit = 0.015 milligrams per liter (mg/l)

School:	**Wicoff Elementary School**
Sampling Date:	**3/24/2016**

Exceeds EPA Action Limit (> 0.015 mg/l)
Hit = result > 0.00050 detection limit

Accutest Mountain States	**Apr 05, 2016 15:19 pm**
Job Number:	**D81108**
Account:	**PARS Environmental Services**
Project:	**WWP Regional, West Windsor-Plainsboro, NJ**
Project Number:	**WE**

Legend: Hit

Client Sample ID:		**WE-01-KIT-KC-P**	**WE-01-H2-WC-P**	**WE-01-M0-NS-P**	**WE-01-11-DW-P**	**WE-01-03-DW-P**	**WE-01-CAF-WC-P**	**WE-O1-H2-WC-P**	**WE-01-33-DW-P**	**WE-02-20-DW-P**	**WE-02-22-DW-P**
Lab Sample ID:		**D81108-1**	**D81108-2**	**D81108-3**	**D81108-4**	**D81108-5**	**D81108-6**	**D81108-7**	**D81108-8**	**D81108-9**	**D81108-10**
Date Sampled:		**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**	**3/24/2016**
Matrix:		**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**	**Drinking Water**
Metals Analysis											
Lead	mg/l	0.00065	<0.00050	0.0011	0.0012	0.014	<0.00050	<0.00050	0.0016	0.0027	0.0034

Client Sample ID Format: School-Floor-Room-Outlet-Sample Type

Floor:
- 01 = First floor
- 02 = Second floor

Room:
- ### = Room number ###
- ###-### = Sample between room number ### and room ##
- H### = Hallway by room number ###
- BL = Boy's locker room
- CAF = Cafeteria
- FR = Faculty room
- GL = Girl's locker room
- KIT = Kitchen
- MGYM = Main gym
- MO = Main office
- NUR = Nurse's office
- SGYM = Small gym
- TGL = Team girl's locker room
- TL = Teacher's lounge
- TP = Teacher's prep room
- PLR = Pool Locker room

Outlet:
- BF = Bathroom faucet
- CF = Classroom faucet
- DW= Drinking water bubbler
- EC = Home economics room, cold
- KC = Kitchen faucet, cold
- LC = Lounge faucet, cold
- NS = Nurse's office sink
- WC = Water cooler (chiller unit)
- TF or TS = Teacher's faucet or Teacher's sink

Sample Type:
- P = Primary (first draw) sample
- F = Flush sample

Note:

Client Sample ID	Lab Sample ID	Description
WE-01-H2-WC-P	D81108-2	Hallway 1: water cooler sampled outside of gym.
WE-01-H2-WC-P	D81108-7	Hallway 2: water cooler sampled across the hallway from room 1.

APPENDIX A
LABORATORY ANALYTICAL REPORT

e-Hardcopy 2.0
Automated Report

Technical Report for

PARS Environmental Services

WWP Regional, West Windsor-Plainsboro, NJ

WE

SGS Accutest Job Number: D81108

Sampling Date: 03/24/16

Report to:

PARS Environmental, Inc.
500 Horizon Drive Suite 540
Robbinsville, NJ 08691
ccasciolini@ParsEnviro.com

ATTN: Crista Casciolini

Total number of pages in report: 35

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Cristina Araujo 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY
CO (CO00049), EPA 515.4 Provisional

Sections: 1 2 3 4 5 6

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Sample Summary

PARS Environmental Services

Job No: D81108

WWP Regional, West Windsor-Plainsboro, NJ
Project No: WE

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D81108-1	03/24/16	08:56	MK/CC	03/25/16	DW	Drinking Water	WE-01-KIT-KC-P
D81108-2	03/24/16	09:01	MK/CC	03/25/16	DW	Drinking Water	WE-01-H2-WC-P
D81108-3	03/24/16	09:04	MK/CC	03/25/16	DW	Drinking Water	WE-01-M0-NS-P
D81108-4	03/24/16	09:12	MK/CC	03/25/16	DW	Drinking Water	WE-01-11-DW-P
D81108-5	03/24/16	09:16	MK/CC	03/25/16	DW	Drinking Water	WE-01-03-DW-P
D81108-6	03/24/16	08:59	MK/CC	03/25/16	DW	Drinking Water	WE-01-CAF-WC-P
D81108-7	03/24/16	09:10	MK/CC	03/25/16	DW	Drinking Water	WE-O1-H2-WC-P
D81108-8	03/24/16	09:13	MK/CC	03/25/16	DW	Drinking Water	WE-01-33-DW-P
D81108-9	03/24/16	09:22	MK/CC	03/25/16	DW	Drinking Water	WE-02-20-DW-P
D81108-10	03/24/16	09:22	MK/CC	03/25/16	DW	Drinking Water	WE-02-22-DW-P

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	PARS Environmental Services	**Job No**	D81108
Site:	WWP Regional, West Windsor-Plainsboro, NJ	**Report Date**	4/5/2016 2:29:04 PM

On 03/25/2016, 10 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 2.4 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D81108 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Metals By Method EPA 200.8

Matrix DW **Batch ID:** MP18360

- All samples were digested and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D81108-1MS, D81108-1MSD were used as the QC samples for the metals analysis.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Summary of Hits

Job Number: D81108
Account: PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ
Collected: 03/24/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D81108-1	**WE-01-KIT-KC-P**					
Lead		0.00065	0.00050		mg/l	EPA 200.8
D81108-2	**WE-01-H2-WC-P**					
No hits reported in this sample.						
D81108-3	**WE-01-M0-NS-P**					
Lead		0.0011	0.00050		mg/l	EPA 200.8
D81108-4	**WE-01-11-DW-P**					
Lead		0.0012	0.00050		mg/l	EPA 200.8
D81108-5	**WE-01-03-DW-P**					
Lead		0.014	0.00050		mg/l	EPA 200.8
D81108-6	**WE-01-CAF-WC-P**					
No hits reported in this sample.						
D81108-7	**WE-O1-H2-WC-P**					
No hits reported in this sample.						
D81108-8	**WE-01-33-DW-P**					
Lead		0.0016	0.00050		mg/l	EPA 200.8
D81108-9	**WE-02-20-DW-P**					
Lead		0.0027	0.00050		mg/l	EPA 200.8
D81108-10	**WE-02-22-DW-P**					
Lead		0.0034	0.00050		mg/l	EPA 200.8

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	WE-01-KIT-KC-P		
Lab Sample ID:	D81108-1	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.00065	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18360

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	WE-01-H2-WC-P		
Lab Sample ID:	D81108-2	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18360

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	WE-01-M0-NS-P		
Lab Sample ID:	D81108-3	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0011	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18360

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	WE-01-11-DW-P		
Lab Sample ID:	D81108-4	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0012	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18360

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	WE-01-03-DW-P		
Lab Sample ID:	D81108-5	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.014	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18360

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	WE-01-CAF-WC-P		
Lab Sample ID:	D81108-6	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18360

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	WE-O1-H2-WC-P		
Lab Sample ID:	D81108-7	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 0.00050	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18360

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	WE-01-33-DW-P		
Lab Sample ID:	D81108-8	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0016	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18360

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	WE-02-20-DW-P		
Lab Sample ID:	D81108-9	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0027	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18360

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

Client Sample ID:	WE-02-22-DW-P		
Lab Sample ID:	D81108-10	**Date Sampled:**	03/24/16
Matrix:	DW - Drinking Water	**Date Received:**	03/25/16
		Percent Solids:	n/a
Project:	WWP Regional, West Windsor-Plainsboro, NJ		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.0034	0.015	0.00050	mg/l	1	03/31/16	04/02/16	RM	EPA 200.8 [1]	EPA 200.8 [2]

(1) Instrument QC Batch: MA7177
(2) Prep QC Batch: MP18360

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS ACCUTEST

CHAIN OF CUSTODY

PAGE 1 OF 1

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking # | Bottle Order Control #
SGS Accutest Quote # | SGS Accutest Job # D81108

Client / Reporting Information

Company Name: PARS
Street Address: 500 Horizon Dr, Suite 540
City: Robbinsville State: NJ Zip: 08691
Project Contact: Christa Casciolini E-mail: ccasciolini@parsEnviro.com
Phone #: 609-890-7277 Fax #
Sampler(s) Name(s) Phone #

Project Information

Project Name: WWP Regional - WE
Street
City State
Project #
Client Purchase Order #
Project Manager

Billing Information (if different from Report to)
Company Name
Street Address
City State Zip
Attention:

Requested Analysis (see TEST CODE sheet): DW Pb 200.8

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL - Sludge, SED - Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB - Field Blank, EB - Equipment Blank, RB - Rinse Blank, TB - Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	DW Pb 200.8	LAB USE ONLY
	WE-01-KIT-KC-P		3/24/16	8:56	MK		1			1						X	01
	WE-01-H2-WC-P		3/24/16	9:01	MK		1			1						X	02
	WE-01-MO-NS-P		3/24/16	9:04	MK		1			1						X	03
	WE-01-11-DW-P		3/24/16	9:12	MK		1			1						X	04
	WE-01-03-DW-P		3/24/16	9:16	MK		1			1						X	05
	WE-01-CAF-WC-P		3/24/16	8:59	CC		1			1						X	06
	WE-01-H2-WC-P		3/24/16	9:10	CC		1			1						X	07
	WE-01-33-DW-P		3/24/16	9:13	CC		1			1						X	08
	WE-02-20-DW-P		3/24/16	9:22	CC		1			1						X	09
	WE-02-22-DW-P		3/24/16	9:22	MK		1			1						X	10
																	BJD

Turnaround Time (Business days)

- ☐ Std. 10 Business Days
- ☐ 5 Day RUSH
- ☐ 3 Day RUSH
- ☐ 2 Day RUSH
- ☐ 1 Day RUSH
- ☒ other 2 Week

Approved By (SGS Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- ☐ Commercial "A" (Level 1)
- ☐ Commercial "B" (Level 2)
- ☐ FULLT1 (Level 3+4)
- ☐ NJ Reduced
- ☐ Commercial "C"
- ☐ NJ Data of Known Quality Protocol Reporting
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☐ EDD Format
- ☐ Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 C. Casciolini	3/24/16 12:00	1 A Kreger	2 A Kreger	3/24/16 1745	2 [signature] 3/25/16 11:30 2.4 7196
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by:	Date Time:	Received By: 5	Custody Seal # 338	☐ Intact ☐ Not intact	Preserved where applicable ☐ / On Ice ☒ / Cooler Temp. 1.9°C

D81108: Chain of Custody
Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: D81108 **Client:** PARS **Project:** WWP REGIONAL WE

Date / Time Received: 3/25/2016 11:30:00 AM **Delivery Method:** **Airbill #'s:** fx

Cooler Temps (Initial/Adjusted): #1: (2.4/2.4);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Bar Therm;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Comments

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

D81108: Chain of Custody
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Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81108
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7177
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
02:41	MA7177-STD1	1		STDBLK
02:44	MA7177-STD2	1		STD1
02:47	MA7177-STD3	1		STD2
02:50	MA7177-STD4	1		STD3
02:53	MA7177-CRI1	1		
02:56	MA7177-ICV1	1		
03:00	MA7177-ICB1	1		
03:03	MA7177-CCV1	1		
03:06	MA7177-CCB1	1		
03:09	MP18359-MB1	1		
03:12	MP18359-B1	1		
03:15	D81107-1	1		(sample used for QC only; not part of login D81108)
03:18	MP18359-S1	1		
03:21	MP18359-S2	1		
03:24	ZZZZZZ	1		
03:27	ZZZZZZ	1		
03:30	ZZZZZZ	1		
03:33	ZZZZZZ	1		
03:37	MA7177-CCV2	1		
03:40	MA7177-CCB2	1		
03:43	ZZZZZZ	1		
03:46	ZZZZZZ	1		
03:49	ZZZZZZ	1		
03:52	ZZZZZZ	1		
03:55	ZZZZZZ	1		
03:58	MP18360-MB1	1		
04:01	MP18360-B1	1		
04:04	D81108-1	1		
04:07	MP18360-S1	1		
04:10	MP18360-S2	1		
04:13	MA7177-CCV3	1		
04:16	MA7177-CCB3	1		
04:20	D81108-2	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81108
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7177
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
04:23	D81108-3	1		
04:26	D81108-4	1		
04:29	D81108-5	1		
04:32	D81108-6	1		
04:35	D81108-7	1		
04:38	D81108-8	1		
04:41	D81108-9	1		
04:44	D81108-10	1		
---------->	Last reportable sample/prep for job D81108			
04:47	MP18361-MB1	1		
04:50	MA7177-CCV4	1		
04:53	MA7177-CCB4	1		
---------->	Last reportable CCB for job D81108			
04:56	MP18361-B1	1		
04:59	D81109-1	1		(sample used for QC only; not part of login D81108)
05:02	MP18361-S1	1		
05:06	MP18361-S2	1		
05:09	ZZZZZZ	1		
05:12	ZZZZZZ	1		
05:15	ZZZZZZ	1		
05:18	ZZZZZZ	1		
05:21	ZZZZZZ	1		
05:24	ZZZZZZ	1		
05:27	MA7177-CCV5	1		
05:30	MA7177-CCB5	1		
05:33	ZZZZZZ	1		
05:36	ZZZZZZ	1		
05:39	ZZZZZZ	1		
05:42	MP18362-MB1	1		
05:45	MP18362-B1	1		
05:48	D81109-11	1		(sample used for QC only; not part of login D81108)
05:51	MP18362-S1	1		
05:54	MP18362-S2	1		
05:58	ZZZZZZ	1		
06:01	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: D81108
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7177
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
06:04	MA7177-CCV6	1		
06:07	MA7177-CCB6	1		
06:10	ZZZZZZ	1		
06:13	ZZZZZZ	1		
06:16	MA7177-CCV7	1		
06:19	MA7177-CCB7	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: D81108
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7177
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
02:41	MA7177-STD1	515905 R	546334 R
02:44	MA7177-STD2	512088	537621
02:47	MA7177-STD3	511431	522567
02:50	MA7177-STD4	487931	525334
02:53	MA7177-CRI1	485080	519963
02:56	MA7177-ICV1	502676	516834
03:00	MA7177-ICB1	503621	533020
03:03	MA7177-CCV1	509992	528213
03:06	MA7177-CCB1	491288	520066
03:09	MP18359-MB1	460831	502540
03:12	MP18359-B1	470414	513304
03:15	D81107-1	462512	488224
03:18	MP18359-S1	477860	504986
03:21	MP18359-S2	471183	488929
03:24	ZZZZZZ	464331	482286
03:27	ZZZZZZ	470919	490784
03:30	ZZZZZZ	468416	490835
03:33	ZZZZZZ	467715	487475
03:37	MA7177-CCV2	506433	516889
03:40	MA7177-CCB2	492186	519083
03:43	ZZZZZZ	450264	473504
03:46	ZZZZZZ	452939	472511
03:49	ZZZZZZ	469553	484358
03:52	ZZZZZZ	459441	482503
03:55	ZZZZZZ	468164	488646
03:58	MP18360-MB1	461252	502144
04:01	MP18360-B1	458394	503154
04:04	D81108-1	453598	472654
04:07	MP18360-S1	472207	493681
04:10	MP18360-S2	463824	488050
04:13	MA7177-CCV3	511489	525286
04:16	MA7177-CCB3	494149	529387
04:20	D81108-2	458037	471887

INTERNAL STANDARD SUMMARY

Login Number: D81108
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7177
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
04:23	D81108-3	454546	477689
04:26	D81108-4	452703	472285
04:29	D81108-5	447063	469022
04:32	D81108-6	452751	475847
04:35	D81108-7	460814	482276
04:38	D81108-8	454298	469128
04:41	D81108-9	461396	484284
04:44	D81108-10	459777	485582
04:47	MP18361-MB1	463599	501354
04:50	MA7177-CCV4	511828	524730
04:53	MA7177-CCB4	496090	521130
04:56	MP18361-B1	458339	495602
04:59	D81109-1	453649	469398
05:02	MP18361-S1	446896	475031
05:06	MP18361-S2	461354	476404
05:09	ZZZZZZ	452916	466493
05:12	ZZZZZZ	450703	475866
05:15	ZZZZZZ	450757	468906
05:18	ZZZZZZ	445498	464868
05:21	ZZZZZZ	447973	469994
05:24	ZZZZZZ	451482	470346
05:27	MA7177-CCV5	494930	512120
05:30	MA7177-CCB5	490005	517626
05:33	ZZZZZZ	457070	469928
05:36	ZZZZZZ	450805	471734
05:39	ZZZZZZ	448458	473838
05:42	MP18362-MB1	448436	486635
05:45	MP18362-B1	459615	492449
05:48	D81109-11	447697	465020
05:51	MP18362-S1	458302	480761
05:54	MP18362-S2	454149	477392
05:58	ZZZZZZ	440391	457615
06:01	ZZZZZZ	445916	459458

INTERNAL STANDARD SUMMARY

Login Number: D81108
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
Analyst: RM Run ID: MA7177
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2
06:04	MA7177-CCV6	491183	499392
06:07	MA7177-CCB6	488514	515345
06:10	ZZZZZZ	441976	456510
06:13	ZZZZZZ	446766	461779
06:16	MA7177-CCV7	484927	499976
06:19	MA7177-CCB7	484703	505388

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %
Istd#2	Bismuth	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81108
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7177 Units: ug/l

Time: / Sample ID: / Metal	RL	IDL	03:00 ICB1 raw	03:00 ICB1 final	03:06 CCB1 raw	03:06 CCB1 final	03:40 CCB2 raw	03:40 CCB2 final	04:16 CCB3 raw	04:16 CCB3 final
Copper	2.0	.06								
Lead	0.50	.0079	0.0030	<0.50	-0.0010	<0.50	0.0030	<0.50	0.0040	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: D81108
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
QC Limits: result < RL Run ID: MA7177 Units: ug/l

Time:			04:53	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Copper	2.0	.06		
Lead	0.50	.0079	0.0010	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81108
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7177 Units: ug/l

Time:		02:56			03:03			03:37	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Copper									
Lead	100	101	101.0	50	49.3	98.6	50	50.3	100.6

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: D81108
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
QC Limits: 90 to 110 % Recovery Run ID: MA7177 Units: ug/l

Time:		04:13			04:50	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Copper						
Lead	50	48.6	97.2	50	49.1	98.2

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: D81108
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

File ID: PA033116DW.REP Date Analyzed: 04/02/16 Methods: EPA 200.8
QC Limits: 50 to 150 % Recovery Run ID: MA7177 Units: ug/l

Time:			02:53	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Copper	2.0	2.0		
Lead	0.50	0.50	0.50	100.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D81108
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18360 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 03/31/16

Metal	RL	IDL	MDL	MB raw	final
Copper	0.0020	.00006	.00014		
Lead	0.00050	.0000079	.00001	0.000021	<0.00050

Associated samples MP18360: D81108-1, D81108-2, D81108-3, D81108-4, D81108-5, D81108-6, D81108-7, D81108-8, D81108-9, D81108-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81108
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18360 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 03/31/16

Metal	D81108-1 Original	MS	Spikelot ICPALL2	% Rec	QC Limits
Copper					
Lead	0.00065	0.16	0.20	79.7	70-130

Associated samples MP18360: D81108-1, D81108-2, D81108-3, D81108-4, D81108-5, D81108-6, D81108-7, D81108-8, D81108-9, D81108-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D81108
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18360 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 03/31/16

Metal	D81108-1 Original	MSD	Spikelot ICPALL2	% Rec	MSD RPD	QC Limit
Copper						
Lead	0.00065	0.17	0.20	84.7	6.1	20

Associated samples MP18360: D81108-1, D81108-2, D81108-3, D81108-4, D81108-5, D81108-6, D81108-7, D81108-8, D81108-9, D81108-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D81108
Account: PARS - PARS Environmental Services
Project: WWP Regional, West Windsor-Plainsboro, NJ

QC Batch ID: MP18360 Methods: EPA 200.8
Matrix Type: DRINKING WATER Units: mg/l

Prep Date: 03/31/16

Metal	BSP Result	Spikelot ICPALL2	% Rec	QC Limits
Copper				
Lead	0.18	0.20	90.0	85-115

Associated samples MP18360: D81108-1, D81108-2, D81108-3, D81108-4, D81108-5, D81108-6, D81108-7, D81108-8, D81108-9, D81108-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

APPENDIX B
LABORATORY CERTIFICATION

State of New Jersey

Department of Environmental Protection

Certifies That

SGS Accutest Inc. – Wheat Ridge

Laboratory Certification ID # CO007

is hereby approved as a

Nationally Accredited Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List which must accompany this certificate to be valid

having duly met the requirements of the

Regulations Governing the Certification of Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the 2009 TNI Standard approved by the

The NELAC Institute

Expires June 30, 2016

Joseph F. Aiello
Assistant Director

NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

New Jersey Department of Environmental Protection

National Environmental Laboratory Accreditation Program

ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS

Effective as of 01/14/2016 until 06/30/2016

Laboratory Name: SGS ACCUTEST INC. - WHEAT RIDGE Laboratory Number: CO007 Activity ID: NLC150001
4036 YOUNGFIELD ST
WHEAT RIDGE, CO 80033

Category: DW07 -- Metals - ICP, ICP/MS and DCP

Status	Eligible to Report NJ Data	State	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	Yes	UT	DW07 .00070	DW	ICP/MS	[EPA 200.8]	Arsenic
Certified	Yes	UT	DW07 .00080	DW	ICP	[EPA 200.7]	Barium
Certified	Yes	UT	DW07 .00110	DW	ICP/MS	[EPA 200.8]	Barium
Certified	Yes	UT	DW07 .00150	DW	ICP/MS	[EPA 200.8]	Beryllium
Certified	Yes	UT	DW07 .00190	DW	ICP/MS	[EPA 200.8]	Cadmium
Certified	Yes	UT	DW07 .00200	DW	ICP	[EPA 200.7]	Calcium
Certified	Yes	UT	DW07 .00240	DW	ICP	[EPA 200.7]	Chromium
Certified	Yes	UT	DW07 .00270	DW	ICP/MS	[EPA 200.8]	Chromium
Certified	Yes	UT	DW07 .00300	DW	ICP	[EPA 200.7]	Copper
Certified	Yes	UT	DW07 .00330	DW	ICP/MS	[EPA 200.8]	Copper
Certified	Yes	UT	DW07 .00340	DW	ICP	[EPA 200.7]	Iron
Certified	Yes	UT	DW07 .00380	DW	ICP/MS	[EPA 200.8]	Lead
Certified	Yes	UT	DW07 .00400	DW	ICP	[EPA 200.7]	Magnesium
Certified	Yes	UT	DW07 .00430	DW	ICP	[EPA 200.7]	Manganese
Certified	Yes	UT	DW07 .00460	DW	ICP/MS	[EPA 200.8]	Manganese
Certified	Yes	UT	DW07 .00490	DW	ICP/MS	[EPA 200.8]	Molybdenum
Certified	Yes	UT	DW07 .00500	DW	ICP	[EPA 200.7]	Nickel
Certified	Yes	UT	DW07 .00530	DW	ICP/MS	[EPA 200.8]	Nickel
Certified	Yes	UT	DW07 .00540	DW	ICP	[EPA 200.7]	Potassium
Certified	Yes	UT	DW07 .00560	DW	ICP/MS	[EPA 200.8]	Selenium
Certified	Yes	UT	DW07 .00600	DW	ICP	[EPA 200.7]	Silver
Certified	Yes	UT	DW07 .00630	DW	ICP/MS	[EPA 200.8]	Silver
Certified	Yes	UT	DW07 .00640	DW	ICP	[EPA 200.7]	Sodium
Certified	Yes	UT	DW07 .00670	DW	ICP/MS	[EPA 200.8]	Thallium
Certified	Yes	UT	DW07 .00740	DW	ICP/MS	[EPA 200.8]	Uranium
Certified	Yes	UT	DW07 .00760	DW	ICP/MS	[EPA 200.8]	Vanadium
Certified	Yes	UT	DW07 .00770	DW	ICP	[EPA 200.7]	Zinc
Certified	Yes	UT	DW07 .00800	DW	ICP/MS	[EPA 200.8]	Zinc

KEY: AE = Air and Emissions, BT = Biological Tissues, DW = Drinking Water, NPW = Non-Potable Water, SCM = Solid and Chemical Materials