Lead in Drinking Water Sampling Report

Bergen County Technical Services School District
Bergen County, New Jersey

CHA Project Number: 31521.2004

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TABLE OF CONTENTS

This report has been prepared and reviewed by the following qualified environmental scientists employed by CHA Consulting, Inc.

This report has been prepared expressly for the use of Bergen County. No other parties are entitled to rely upon this report unless our express written consent is first obtained. All conclusions drawn were based on CHA's review of available historical data, field inspection and analytical results from sampling performed during the course of this project. Recommendations are submitted based on CHA's knowledge, experience, and professional judgment.

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1.0 INTRODUCTION

This report summarizes the results of the lead in drinking water sampling performed by CHA Consulting, Inc. (CHA) at school buildings within the Bergen County Technical Services School District. This investigation was conducted to provide compliance with the New Jersey State Board of Education (NJBOE) regulations requiring testing for lead in drinking water of all New Jersey educational facilities (N.J.A.C. 6A:26-12.4). The regulations require sampling during the 2021-2022 school year, and every three years thereafter. The sampling was conducted in accordance with the scope of services outlined in CHA's March 17, 2022 proposal.

This report includes a description of the work performed, methods used to complete the sampling, an evaluation of data collected, and conclusions and recommendations relative to the project objectives. More specifically, this report consists of seven sections with this Introduction being the first section while the following sections comprise the remainder of the report:

- Section 2.0 Project Background
- Section 3.0 Sampling Approach
- Section 4.0 Results
- Section 5.0 Data Quality Objectives and Measurement
- Section 6.0 Conclusions
- Section 7.0 Recommendations
- Section 8.0 References

2.0 PROJECT BACKGROUND

There are no federal regulations requiring testing of drinking water in schools, except those that have their own water supply. However, the United States Environmental Protection Agency (USEPA) developed a technical guidance document intended to be utilized by school officials to aid school districts in minimizing student and faculty exposures to lead in drinking water at their facilities. The guidance is entitled "3Ts for Reducing Lead in Drinking Water in Schools" and is specifically targeted at school systems that receive water from water utilities or water suppliers.

On May 2, 2016 New Jersey Governor Christie ordered mandatory lead testing in the drinking water at all New Jersey public school systems. In addition, on July 13, 2016, NJBOE adopted regulations

regarding testing for lead in drinking water in public schools throughout New Jersey (amendments to N.J.A.C. 6A:26, Educational Facilities). The regulations call for the institution of a drinking water testing program with the requirements to sample and analyze all drinking water outlets for elevated lead levels (above 15 µg/l) initially by July 13, 2017. CHA completed testing in June 2017, with additional testing in February 2018. The regulations require testing during the 2021-2022 school year (between July 1, 2021 and June 30, 3022). An online Statement of Assurance (SOA) form is due by June 30, 2022. The purpose of the SOA is to confirm that the testing was completed.

The regulation defines drinking water outlet as "any location at a school facility, other facility, or temporary facility, …, where water is expected to be used for consumption or food preparation.

Lead testing of all drinking water outlets is required to be conducted every third year following the 2021-2022 testing. The next testing is due between July 1, 2024 and June 30, 2025. The sampling and testing results presented in this report constitute the 2021-2022 testing for the Bergen County Technical Services District.

3.0 SAMPLING APPROACH

The regulations require that the sampling and testing activities be done in accordance with two documents:

- Lead Sampling Plan – includes:
    - Plumbing profile for each building which identifies how water enters and flows through a building and the types of plumbing materials in the building.
    - A drinking water outlet inventory for each building.
    - A filter inventory for each building.
    - Names and responsibilities of all individuals involved in the sampling program.
    - Procedures to be followed prior to and during sample collection activities.
- Quality Assurance Project Plan (QAPP) – includes:
    - Project Officers names and contact information for each building.
    - Task organization
    - Data quality objectives and criteria for measurement
    - Identification of analytical methods, chain of custody procedures, data validation process, detection limits, and reporting processes

- Sample handling and custody requirements
- Field and laboratory quality assurance/quality control (QA/QC) measures

CHA, as Environmental Consultant to, and in conjunction with, the Bergen County Technical Services School District, developed both documents using guidance documents/templates developed by the NJBOE and the New Jersey Department of Environmental Protection (NJDEP).

3.1 DRINKING WATER OUTLET COUNTS AND LOCATIONS

Drinking water outlet counts and locations were based on the Lead Sampling Plan prepared by CHA and confirmed by district facilities personnel associated with each building to be sampled. The drinking water outlet counts and locations for Technical School Program Areas at Ender Hall were based on a walkthrough conducted by CHA personnel on April 12, 2022. Outlet/sample locations are identified on floor plans provided by the District and included in Appendix A.

3.2 SAMPLING APPROACH

Drinking water outlets were selected based on access points where water would be used for consumption by building occupants and focused on potential consumption points consisting of kitchen sinks, drinking water fountains, water coolers, faculty room/teacher's lounge sinks, coffee machines, nurse's office sinks, home economics classroom sinks, and ice machines. Ten buildings within the District were included in the sampling program. These buildings and the number of sampling points determined per building are summarized below:

- Adult Education Building, 200 Hackensack Avenue, Hackensack – 8 outlets, 4 not sampled
- Small Animal Care, 275 Pascack Road, Paramus – 2 outlets, 1 not sampled
- Daycare, 200 Hackensack Avenue, Hackensack – 3 outlets, 1 not sampled
- EMS Building, 275 Pascack Road, Paramus – 2 outlets
- Environmental Building , 200 Hackensack Avenue, Hackensack – 2 outlets, 1 not sampled
- Haz-Mat Building, 275 Pascack Road, Paramus – 1 outlet
- Main Building, 200 Hackensack Avenue, Hackensack – 53 outlets, 22 not sampled
- Teterboro Campus, 504 Route 46, Teterboro – 28 outlets, 1 not sampled
- Vocational School, 275 Pascack Road, Paramus – 25 outlets, 5 not sampled
- Ender Hall – 400 Paramus Road, Paramus – 16 outlets

Based on the Lead Sampling Plan, there are no drinking water outlets at the following three buildings, and as a result, no samples were collected from these three buildings:

- The Barn, 275 Pascack Road, Paramus
- PAL Building, 200 Hackensack Avenue, Hackensack
- HVAC Building, 11 Carol Court, Hackensack

The USEPA recommends that a two-step sampling process be followed. In Step 1, initial samples are collected following a specified period of non-use. In accordance with N.J.A.C. 6A:26-12.4, that period of non-use is at least 8 hours, but no more than 48 hours. These samples are referred to as first draw samples. The purpose of the first draw samples is to determine the lead content of water sitting directly at/in water outlets or fixtures and is thought to be representative of the worse-case scenario for potential exposure for a building occupant consuming water from the outlet. First draw samples are collected directly from the outlet/fixture into a pre-cleaned HDPE 250 ml wide-mouth rigid sample bottle without allowing any water to flow to the drain prior to sample collection.

Step 2 consists of follow-up flush samples collected from those outlets that exhibited elevated lead levels in the first draw water sample. The purpose of the flush samples is to help determine if the source of the lead concentration is from the upstream plumbing rather than the fixture/unit. As with the first draw samples, the flush samples are to be taken following an 8 to 48 hour period of non-use of the facility's water system. For follow-up flush sampling the sampler should start a slow steady flow (about the size of a pencil) and allow that steady flow to continue for 30 seconds (minimum) to one minute, or until the water is cold. A high rate of flow should not be used. After the flush period has elapsed, a 250 ml sample was collected directly from the outlet into same type of sample bottle as used for the first draw sample.

A sample was collected from cold water outlets only at each of the identified drinking water outlets after the water in the building had remained unused for 8 to 48 hours prior to sample collection. The first sample collected was at the outlet nearest the point of water intake into the building. Sample collection then progressed outward from that point.

Upon selection of each sampling location, CHA personnel donned a new pair of disposable non-colored latex gloves and opened a laboratory supplied sample bottle. The bottle was filled from the

sampling point without allowing any water to flow prior to collection directly into the bottle. Once filled to the top, the bottle was re-capped and placed into a cooler. Each sample location was recorded and each sample was given a unique alpha-numeric identification number consisting of the city location followed by the number of the facility address or the building name in certain cases followed by the sampling point type followed by the sample number. Identifiers used for the sample naming protocol are listed below:

City location identifiers

H = Hackensack

P = Paramus

T = Teterboro

Address number identifiers

200 = Main Building at 200 Hackensack Avenue, Hackensack

DC = Daycare Building

ENV = Environmental Building

AEB – Adult Education Building

275 = Vocational School at 275 Pascack Road, Paramus

SAC = Small Animal Care

HAZ = Haz-Mat Building

281 = EMS Building at 281 Pascack Road, Paramus

504 = 504 Route 46, Teterboro

400 = Ender Hall

Sampling point type identifiers

CM = Coffee Machine

DW = Drinking Water Fountain

EC = Home Economics Classroom Sink

IM = Ice Machine

KS = Kitchen Sink

NS = Nurse's Office Sink

TL = Teacher's Lounge Sink

WC = Water Cooler

Sample Type

A = first draw sample

B = flush sample

Using this naming protocol, an example of a sample identification number is H-AEB-TL-04A indicating the first draw sample taken from a teacher's lounge sink at the Adult Education Building located in Hackensack.

To avoid additional time to collect flush samples at each site should analysis of a flush sample be warranted, CHA collected flush samples from each sampling point immediately following the collection of the first draw sample, with the exception of ice machine and water cooler samples, which are discussed below. The flush sample was collected after the water had been allowed to run for 30 to 60 seconds. The first draw and flush samples from the Technical Services District buildings were collected on April 13 to April 15, 2022. First draw and flush sampled were collected from the Ender Hall program areas on May 1, 2022. In addition, two samples at the Vocational School and one at the Teterboro campus were collected on May 1, 2022.

In accordance with the Sampling Plan, flush samples were not collected from the ice machines at the same time as the first draw samples. The ice machine sampling procedure in the Sampling Plan indicates that the plumbing must be disconnected from the unit to collect a flush sample. Therefore, flush samples are collected only if the 15 µg/L action level is exceeded.

The Sampling Plan requires collecting all first draw samples at a building before collecting the flush sample at water cooler outlets. After all first draw samples were collected, the team returned to the water cooler outlet nearest the point of water intake into the building. Sample collection then progressed outward from that point. Water coolers were flushed for 15 minutes to ensure the water tank was emptied prior to collecting the flush sample.

All of the first draw and flush samples were either sent via lab courier service or shipped to Eurofins TestAmerica Laboratories (Eurofins) in Edison, New Jersey under proper chain-of-custody procedures for the analysis of lead in drinking water utilizing EPA Method 200.8. The laboratory was instructed to immediately proceed with the first draw samples and to put the flush samples on hold until CHA released them for analyses. Eurofins in Edison maintains current NJDEP certifications to perform the requested analyses.

3.3 FIELD ACTIVITIES/OBSERVATIONS

With the exception of the May 1, 2022 sampling event, the collection of samples was conducted by two sampling teams comprised of CHA personnel. Both teams consisted of two people. The May 1, 2022 sampling event was completed by one CHA representative. Access to the school buildings, areas within, and confirmation of the completion of flushing activities in each building was provided by District facility staff.

All existing aerators, screens, and filters were left in place during the sampling event.

In accordance with the Sampling Plan, samples were collected from ice machines by filling the sample bottle with ice and allowing that ice to melt within the bottle. Given this procedure, only one sample type was collected and was identified as a first draw sample. As noted above, flush samples were not immediately collected after the first draw sample.

Given that the water was collected at each outlet directly into the sample bottle and there was no other sampling equipment involved in the sample collection process, no decontamination procedures were necessary between outlets.

3.4 EXCLUSIONS AND LIMITATIONS

Types of fixtures/outlets/points not included in the sampling program because they were not considered to be potential consumption points are listed below:

- General classroom sinks
- Bathroom sinks
- Hand wash sinks
- Dishwashing sink faucets/machines/sprayers
- Laundry room fixtures
- Janitorial and slop sinks
- Outside hose spigots
- Hot water faucets/lines

Floor plans were not provided for Environmental Building, EMS Building, Haz-Mat Building, and Small Animal Care.

As noted in Section 3.2, there were several outlets at Vocational, Small Animal Care, Teterboro, Daycare, Environmental, Adult Education, and the Main Building that were not sampled during the 2022 sampling program. These outlets were not sampled because they were either removed or were inactive. Many of those that were inactive were drinking water fountains and water coolers that had been taken out of service due COVID and related use restrictions. The outlets that were not sampled are highlighted in grey in Tables 1-10. The reason those outlets were not sampled is also included in the tables. If any of the currently inactive outlets are put back in service, they must be tested prior to use for drinking or cooking.

4.0 RESULTS

First draw and flush sample analytical results are compared to the USEPA Secondary Drinking Water (40 CFR Part 141) and NJDEP Safe Drinking Water Act Rules (N.J.A.C. 7:10-1) recommended action level (AL) of 15 µg/L for lead in drinking water. An AL is not a regulatory Maximum Contaminant Level (MCL) but is considered to be a trigger value at which a remedial action is needed. The sample results are summarized in Tables 1-10 attached to this report. Analytical laboratory reports for all of the samples analyzed is include as Appendix B.

Review of the laboratory results indicates that of the 105 first draw samples analyzed, one sample at the Main Building, one sample at Vocational School, and one at the Ender Hall location exhibit lead concentrations above the 15 µg/L AL. Lead levels reported in all of the remaining first draw samples are below the AL. The flush samples were then analyzed for those outlets that had first draw results above the AL. Review of the laboratory results for the flush samples indicate that of the three flush samples analyzed, none exhibited lead concentrations above the 15 µg/L AL. Analytical results for first draw and flush sample analyses for each building are presented in Tables 1-10. The locations and sampling points at which elevated lead levels were detected are highlighted in the tables. The outlets in the tables are organized in the order the samples were collected. The results that exceeded the AL are discussed in greater detail below.

Main Building - Hackensack

Outlets sampled at the Main Building consisted of 13 drinking fountains, 13 kitchen sinks, one teacher's lounge sink, and four ice machines. Of these 31 sampled outlets, the laboratory results indicate an elevated first draw result at one of the kitchen sinks located in Room 221. As a result of

the elevated first draw sample, the flush sample collected at this kitchen sink location was analyzed and the flush result was found to be below the lead AL. This outlet was observed to be an un-filtered outlet.

Vocational School - 275 Pascack Road, Paramus

Drinking water outlets sampled at the Vocational School consisted of five drinking fountains, 12 kitchen sinks, one nurse's sink, and two ice machines. Of these 20 sampled outlets, the laboratory results indicated an elevated first draw result for the nurse's sink located in Room 320. As a result of the elevated first draw sample, the flush sample collected at this nurse's sink location was analyzed and the flush result was found to be below the lead AL. A filter was observed to be installed in the water line supplying water to the sink. CHA noted that the date on the filter was May 5, 2018.

Ender Hall – 400 Paramus Road, Paramus

Drinking water outlets sampled at the Ender Hall location consisted of three drinking fountains, eight kitchen sinks, two nurse's sinks, two ice machines, and one teacher's lounge sink. Of these 16 sampled outlets, the laboratory results indicated an elevated first draw result for the teacher's lounge sink located in Room E-166. As a result of the elevated first draw sample, the flush sample collected at this teacher's lounge sink was analyzed and the flush results were below the lead AL.

5.0 DATA QUALITY OBJECTIVES AND MEASUREMENT

5.1 LABORATORY QUALITY CONTROL

Precision

To assess method precision, Eurofins analyzed a Laboratory Standard Control (LCS) for every 20-sample set of individual samples. All LCS results were within applicable control limits.

Bias

To assess method bias, Eurofins analyzed a matrix spike/matrix spike duplicate (MS/MSD) sample per every 20-sample set. The results for these samples were within applicable control limits, thus indicating no bias reported due to the analytical method utilized.

Comparability

Eurofins utilized EPA Method 200.8 for the analysis of all of the school and quality control samples.

Method 200.8 is the acceptable method for the analysis of lead in drinking water as per the federal Safe Drinking Water Regulations cited at 40 CFR 141.86 and 40 CFA 141 Appendix A to Subpart C. Use of this method allows for the comparison of the analytical results to the federal drinking water action level for lead of greater than 15 µg/l.

Completeness

100% of the first draw samples collected were analyzed and the results reported. Flush samples were analyzed for 100% of the first draw sample locations that had lead results above the action level of 15 µg/l.

Sensitivity

Eurofins method detection limit for their lead analyses were reported as 0.11 µg/l. The federal drinking water regulations require that laboratory reporting limits be no higher than 2.0 µg/l. The Eurofins laboratory utilized for analyses of the Bergen County samples met this requirement.

5.2 FIELD QUALITY CONTROL

Representativeness

Pursuant to identification of all drinking water outlets (as per the NJBOE definition) within a school, a first draw and flush sample were collected at all of the identified outlets, with the exception of ice machines. As noted in Section 3.2, flush samples are collected at ice machines only if the first draw sample exceeds the 15 µg/L AL.

Field Reagent Blank

In accordance with the QAPP prepared for this project, a Field Reagent Blank (FRB) was collected for each sample cooler.

6.0 CONCLUSIONS

At points exhibiting elevated first draw sample results, flushing of the outlet prior to flush sample collection showed reduced levels of lead to below the AL of 15 µg/L. These results would tend to indicate that the source of elevated lead concentrations is related to the fixture from which the sample was collected versus a piping/system concern.

7.0 RECOMMENDATIONS

Based on our findings and conclusions presented above, CHA has developed the following recommendations relative to routine and short-term measures and permanent remedies that may be utilized in response to these preliminary findings.

1. Evaluate and select remedial options most appropriate for the outlets found to exceed the AL as listed/detailed in Section 4.0 above. Laboratory results exceeding the AL were transmitted to the District immediately upon receipt by CHA. The District took immediate response actions to take impacted outlets out of service and make them un-operable. CHA has developed a Long-Term Response Decision Matrix presenting remedial options for the types of end use points sampled during this investigation. This Decision Matrix is included as Table 11.

2. Regarding the nurse's sink located in Room 320 at Vocational School at 275 Pascack Road, Paramus, prior to proceeding with additional remedial actions outline in Table 11, the existing filter should be changed. The filter date at the time of the sampling was May 5, 2018. In accordance with the Bergen County Lead in Drinking Water Treatment Operation & Maintenance Plan, filters should be replaced every three months in order to reduce lead and other contaminants in drinking water. Once the filter is changed the outlet should be re-sampled (both first-draw and flush samples) to confirm that levels are below the AL.

3. There were several outlets at Adult Education, Small Animal Care, Daycare, Environmental, Main Building, Teterboro, and Vocational buildings that were not sampled because they were either removed or were inactive. The outlets that were not sampled are highlighted in grey in Tables 1-3, 5, and 7-9. The reason those outlets were not sampled is also included in the tables. If any of the currently inactive outlets are put back in service, they must be tested prior to use for drinking or cooking.

4. Except as noted in Item 3, there are no further sampling or actions recommended for the following buildings given that all of the currently active consumption points have been sampled and all of the results were below the lead AL:
    - Adult Education
    - Small Animal Care

- Daycare
- EMS
- Environmental
- Haz-Mat
- Teterboro

5. There were several outlets within the Ender Hall programs areas that were not sampled, as they are not used for drinking or cooking, such as bathroom sinks. Signs should be posted at the outlets not sampled to notify staff and students that the outlets are for handwashing only.

6. Ensure that future repairs or replacement work on a facility's water supply/distribution system are done using only lead-free pipes and solders and other materials. Make sure that replacement system components (piping, faucets, etc.) are compliant with the NSF Standard 61.

7. If filters are selected as a remedy for any points, make sure that the filters selected are certified under the National Sanitation Foundation International (NSF) Standard 53 standards for lead reduction, which means that the system has been independently verified to be able to reduce lead from 150 µg/L to 10 µg/L or less. In addition, confirmation as to if the filter has reduced the lead level at that end point to below the lead AL can only be ascertained by re-sampling of the outlet once the filter is in place and laboratory analysis of the sample.

8. Filters as a remedial option are most typically only placed on the cold water lines, for two reasons. First, the hot water lines tend to support higher concentrations of lead, as it leaches more readily at high temperatures, and therefore, can make the filter less successful in reducing lead concentrations to safe levels as well as lead to higher maintenance costs as the filters would also then require more frequent change-outs due to the higher concentrations being filtered. Secondly, the cost alone of putting a filter on both the hot and cold water lines doubles the upfront cost and ongoing maintenance costs since it would double the number of filters installed and in use.

9. Since filters are typically only placed on the cold water lines, restrictions must be put in place relative to the use of the hot water faucets/lines, such as heating water from the cold

water faucet for consumption or food prep rather than using hot water from the tap for those uses.

10. Refer to the District's Lead in Drinking Water Treatment Operation & Maintenance (O&M) Plan for O&M activities and requirements for remedial actions that are selected/instituted. Examples of typical O&M activities include routine cleaning of aerators/screens in faucets, changing of filters in point of use devices, etc.

8.0 REFERENCES

In compiling the report for this investigation the following references/resources were utilized:

3 Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance, USEPA, June 2018.

Bergen County Technical & Special Services School Districts Lead in Drinking Water Treatment Operation & Maintenance Plan, March 3, 2021.

Bergen County Technical & Special Services School Districts Lead Testing in School Drinking Water Outlets Sampling Plan, March 18, 2018.

Bergen County Technical & Special Services School Districts Quality Assurance Project Plan Lead Concentrations in School Drinking Water Outlets, March 13, 2018.

N.J.A.C 6A:26, Educational Facilities: Regulations Regarding Testing for Lead in Water, August 20, 2020.

Primary and Secondary Drinking Water Standards: Code of Federal Regulations 40, Part 141 (40 CFR 141).

Safe Drinking Water Act Regulations: New Jersey Administrative Code 7, Chapter 10, Subchapter 1 (N.J.A.C 7:10-1), NJDEP, June 1, 2020.

TABLES

TABLE 1
Laboratory Results
Adult Education Building
200 Hackensack Avenue, Hackensack

Sample Point	Sample Location Description	Sample Location Code	Sample Date	Laboratory Results (µg/l)	Comments
Teacher's lounge sink	Room 114	H-AEB-TL-01A	4/14/2022	2.38	
		H-AEB-TL-01B	4/14/2022	NA	
Drinking Water Fountain	Room 108	H-AEB-DW-02A	NA	NA	Not sampled, disconnected
		H-AEB-DW-02B	NA	NA	
Teacher's lounge sink	Room 115	H-AEB-TL-03A	4/14/2022	0.66	
		H-AEB-TL-03B	4/14/2022	NA	
Teacher's lounge sink	Room 105	H-AEB-TL-04A	4/14/2022	1.64	
		H-AEB-TL-04B	4/14/2022	NA	
Teacher's lounge sink	Room 105	H-AEB-TL-05A	4/14/2022	1.97	
		H-AEB-TL-05B	4/14/2022	NA	
Drinking Water Fountain	Room 105	H-AEB-DW-06A	NA	NA	Not sampled, disconnected
		H-AEB-DW-06B	NA	NA	
Drinking Water Fountain	Room 103	H-AEB-DW-07A	NA	NA	Not sampled, disconnected
		H-AEB-DW-07B	NA	NA	
Drinking Water Fountain	Outside Room 121A	H-AEB-DW-08A	NA	NA	Not sampled, disconnected
		H-AEB-DW-08B	NA	NA	

NOTES:

"A" identifier designates a First Draw sample.

"B" identifier designates a Flush sample.

U = analyzed for lead, but not detected above method detection limit

NA = not analyzed for in this sample.

Grey highlight = sample location was not sampled during April 2022 sampling program

Method detection limit = 0.11 µg/l

TABLE 2
Laboratory Results
Small Animal Care
275 Pascack Road, Paramus

Sample Point	Sample Location Description	Sample Location Code	Sample Date	Laboratory Results (µg/l)	Comments
Drinking Water Fountain	Hallway next to bathroom	P-SAC-DW-01A	NA	NA	Not sampled, water disconnected
		P-SAC-DW-01B	NA	NA	
Kitchen sink	Kitchen	P-SAC-KS-02A	4/12/2022	0.22	
		P-SAC-KS-02B	4/12/2022	NA	

NOTES:

"A" identifier designates a First Draw sample.

"B" identifier designates a Flush sample.

U = analyzed for lead, but not detected above method detection limit

NA = not analyzed for in this sample.

Grey highlight = sample location was not sampled during April 2022 sampling program

Method detection limit = 0.11 µg/l

TABLE 3
Laboratory Results
Daycare Building
200 Hackensack Avenue, Hackensack

Sample Point	Sample Location Description	Sample Location Code	Sample Date	Laboratory Results (µg/l)	Comments
Drinking Water Fountain	Adjacent to Room 2B	H-DC-DW-01A	4/14/2022	<0.11U	
		H-DC-DW-01B	4/14/2022	NA	
Drinking Water Fountain	Adjacent to Room 2B	H-DC-DW-02A	NA	NA	Not sampled, DW-01 and 02 were adjacent, replaced with one DW (sampled as DW-01)
		H-DC-DW-02B	NA	NA	
Kitchen sink	Kitchen	H-DC-KS-03A	4/14/2022	1.33	
		H-DC-KS-03B	4/14/2022	NA	

NOTES:

"A" identifier designates a First Draw sample.

"B" identifier designates a Flush sample.

U = analyzed for lead, but not detected above method detection limit

NA = not analyzed for in this sample.

Grey highlight = sample location was not sampled during April 2022 sampling program

Method detection limit = 0.11 µg/l

TABLE 4
Laboratory Results
EMS Building
281 Pascack Road, Paramus

Sample Point	Sample Location Description	Sample Location Code	Sample Date	Laboratory Results (µg/l)
Drinking Water Fountain	In front of bathrooms	P-281-DW-01A	4/12/2022	<0.11U
		P-281-DW-01B	4/12/2022	NA
Drinking Water Fountain	Hallway, outside Room 102	P-281-DW-02A	4/12/2022	1.06
		P-281-DW-02B	4/12/2022	NA

NOTES:

"A" identifier designates a First Draw sample.

"B" identifier designates a Flush sample.

U = analyzed for lead, but not detected above method detection limit

NA = not analyzed for in this sample.

Method detection limit = 0.11 µg/l

TABLE 5
Laboratory Results
Environmental Building
200 Hackensack Avenue, Hackensack

Sample Point	Sample Location Description	Sample Location Code	Sample Date	Laboratory Results (µg/l)	Comments
Drinking Water Fountain	Outside Room 105	H-ENV-DW-01A	NA	NA	Not sampled, not in service
		H-ENV-DW-01B	NA	NA	
Drinking Water Fountain	Shop/Basement	H-ENV-DW-02A	4/14/2022	<0.11U	
		H-ENV-DW-02B	4/14/2022	NA	

NOTES:

"A" identifier designates a First Draw sample.

"B" identifier designates a Flush sample.

U = analyzed for lead, but not detected above method detection limit

NA = not analyzed for in this sample.

Grey highlight = sample location was not sampled during April 2022 sampling program

Method detection limit = 0.11 µg/l

TABLE 6
Laboratory Results
Haz-Mat Building
275 Pascack Road, Paramus

Sample Point	Sample Location Description	Sample Location Code	Sample Date	Laboratory Results (µg/l)
Kitchen sink	Kitchen	P-HAZ-KS-01A	4/12/2022	2.00
		P-HAZ-KS-01B	4/12/2022	NA

NOTES:

"A" identifier designates a First Draw sample.

"B" identifier designates a Flush sample.

U = analyzed for lead, but not detected above method detection limit

NA = not analyzed for in this sample.

Method detection limit = 0.11 µg/l

TABLE 7
Laboratory Results
Main Building
200 Hackensack Avenue, Hackensack

Sample Point	Sample Location Description	Sample Location Code	Sample Date	Laboratory Results (µg/l)	Comments
Drinking Water Fountain	Outside Room 27	H-200-DW-01A	4/13/2022	<0.11U	
		H-200-DW-01B	4/13/2022	NA	
Drinking Water Fountain	Outside Room 30	H-200-DW-02A	NA	NA	Not sampled, removed
		H-200-DW-02B	NA	NA	
Sink faucet	Room 30	H-200-TL-03A	4/13/2022	4.26	
		H-200-TL-03B	4/13/2022	NA	
Drinking Water Fountain	Outside Room 38	H-200-DW-04A	4/13/2022	<0.11U	
		H-200-DW-04B	4/13/2022	NA	
Drinking Water Fountain	Outside Room 38	H-200-DW-05A	NA	NA	Not sampled, not in service
		H-200-DW-05B	NA	NA	
Drinking Water Fountain	Outside Room 20	H-200-DW-06A	4/13/2022	<0.11U	
		H-200-DW-06B	4/13/2022	NA	
Ice Machine	Room 17	H-200-IM-07A	4/13/2022	<0.11U	
Sink faucet	Room 17	H-200-KS-08A	4/13/2022	1.57	
		H-200-KS-08B	4/13/2022	NA	
Drinking Water Fountain	Room 18	H-200-DW-09A	NA	NA	Not sampled, not in service
		H-200-DW-09B	NA	NA	
Drinking Water Fountain	Room 18	H-200-DW-10A	NA	NA	Not sampled, not in service
		H-200-DW-10B	NA	NA	
Drinking Water Fountain	Room 15	H-200-DW-47A	NA	NA	Not sampled, removed
		H-200-DW-47B	NA	NA	
Drinking Water Fountain	Outside Room 15	H-200-DW-48A	NA	NA	Not sampled, removed
		H-200-DW-48B	NA	NA	
Drinking Water Fountain	Room 12	H-200-DW-11A	NA	NA	Not sampled, not in service
		H-200-DW-11B	NA	NA	
Drinking Water Fountain	Room 12	H-200-DW-12A	NA	NA	Not sampled, not in service
		H-200-DW-12B	NA	NA	
Drinking Water Fountain	Outside Room 15	H-200-DW-13A	4/13/2022	<0.11U	
		H-200-DW-13B	4/13/2022	NA	
Drinking Water Fountain	Outside Room 129	H-200-DW-14A	4/13/2022	4.09	
		H-200-DW-14B	4/13/2022	NA	
Kitchen sink	Room 111	H-200-KS-15A	4/13/2022	6.66	
		H-200-KS-15B	4/13/2022	NA	
Kitchen sink	Room 111	H-200-KS-16A	4/13/2022	1.85	
		H-200-KS-16B	4/13/2022	NA	
Drinking Water Fountain	Gym	H-200-DW-17A	4/13/2022	<0.11U	
		H-200-DW-17B	4/13/2022	NA	
Drinking Water Fountain	Outside Room 107	H-200-DW-18A	NA	NA	Not sampled, not in service
		H-200-DW-18B	NA	NA	
Drinking Water Fountain	Outside Room 107	H-200-DW-19A	4/13/2022	<0.11U	
		H-200-DW-19B	4/13/2022	NA	
Kitchen sink	Room 124	H-200-KS-48A	4/13/2022	2.27	
		H-200-KS-48B	4/13/2022	NA	
Drinking Water Fountain	Outside Room 137	H-200-DW-20A	NA	NA	Not sampled, not in service
		H-200-DW-20B	NA	NA	
Drinking Water Fountain	Outside Room 144	H-200-DW-21A	4/13/2022	0.53	
		H-200-DW-21B	4/13/2022	NA	
Drinking Water Fountain	Outside Room 144	H-200-DW-22A	NA	NA	Not sampled, not in service
		H-200-DW-22B	NA	NA	
Drinking Water Fountain	Outside Room 159	H-200-DW-23A	4/13/2022	<0.11U	
		H-200-DW-23B	4/13/2022	NA	
Drinking Water Fountain	Outside Room 182	H-200-DW-24A	NA	NA	Not sampled, not in service
		H-200-DW-24B	NA	NA	
Drinking Water Fountain	Outside Room 182	H-200-DW-25A	NA	NA	Not sampled, not in service
		H-200-DW-25B	NA	NA	
Drinking Water Fountain	Stage	H-200-DW-26A	NA	NA	Not sampled, not in service
		H-200-DW-26B	NA	NA	

TABLE 7
Laboratory Results
Main Building
200 Hackensack Avenue, Hackensack

Sample Point	Sample Location Description	Sample Location Code	Sample Date	Laboratory Results (µg/l)	Comments
Kitchen sink	Room 221	H-200-KS-27A	4/13/2022	3.29	
		H-200-KS-27B	4/13/2022	NA	
Kitchen sink	Room 221	H-200-KS-28A	4/13/2022	3.85	
		H-200-KS-28B	4/13/2022	NA	
Kitchen sink	Room 221	H-200-KS-29A	4/13/2022	2.4	
		H-200-KS-29B	4/13/2022	NA	
Ice Machine	Room 221	H-200-IM-52A	4/13/2022	<0.11U	
Coffee machine	Room 221	H-200-CM-49A	NA	NA	Not sampled, hot water only
		H-200-CM-49B	NA	NA	
Sink faucet	Room 221	H-200-KS-51A	4/13/2022	35.7	
		H-200-KS-51B	4/13/2022	1.08	
Kitchen sink	Room 215	H-200-KS-31A	4/13/2022	4.92	
		H-200-KS-31B	4/13/2022	NA	
Drinking Water Fountain	Outside Room 218	H-200-DW-32A	NA	NA	Not sampled, not in service
		H-200-DW-32B	NA	NA	
Drinking Water Fountain	Outside Room 218	H-200-DW-33A	4/13/2022	<0.11U	
		H-200-DW-33B	4/13/2022	NA	
Kitchen sink	Room 226	H-200-KS-34A	4/13/2022	0.56	
		H-200-KS-34B	4/13/2022	NA	
Kitchen sink	Room 226	H-200-KS-35A	4/13/2022	5.08	
		H-200-KS-35B	4/13/2022	NA	
Ice Machine	Room 226	H-200-IM-36A	4/13/2022	<0.11U	
Ice Machine	Room 226	H-200-IM-37A	4/13/2022	<0.11U	
Kitchen sink	Room 226	H-200-KS-38A	4/13/2022	3.3	
		H-200-KS-38B	4/13/2022	NA	
Pot filler	Room 226	H-200-KS-39A	4/13/2022	0.59	
		H-200-KS-39B	4/13/2022	NA	
Kitchen sink	Room 226	H-200-KS-40A	4/13/2022	0.17	
		H-200-KS-40B	4/13/2022	NA	
Coffee machine	Room 226	H-200-CM-50A	NA	NA	Not sampled, removed
		H-200-CM-50B	NA	NA	
Drinking Water Fountain	Outside Room 231	H-200-DW-41A	4/13/2022	<0.11U	
		H-200-DW-41B	4/13/2022	NA	
Drinking Water Fountain	Outside Room 232	H-200-DW-45A	4/13/2022	<0.11U	
		H-200-DW-45B	4/13/2022	NA	
Sink faucet	Rear Room 231	H-200-NS-45A	NA	NA	Not sampled, removed
		H-200-NS-45B	NA	NA	
Sink faucet	Rear Room 231	H-200-NS-46A	NA	NA	Not sampled, removed
		H-200-NS-46B	NA	NA	
Sink faucet	Room 238	H-200-KS-53A	NA	NA	Not sampled, not a kitchen, 2 classrooms with no sinks
		H-200-KS-53B	NA	NA	
Drinking Water Fountain	Outside Room 245	H-200-DW-42A	4/13/2022	<0.11U	
		H-200-DW-42B	4/13/2022	NA	
Drinking Water Fountain	Outside Room 269	H-200-DW-43A	NA	NA	Not sampled, not in service
		H-200-DW-43B	NA	NA	
Drinking Water Fountain	Outside Room 269	H-200-DW-44A	NA	NA	Not sampled, not in service
		H-200-DW-44B	NA	NA	

NOTES:

"A" identifier designates a First Draw sample.

"B" identifier designates a Flush sample.

U = analyzed for lead, but not detected above method detection limit

NA = not analyzed for in this sample.

Yellow highlight = sample exceeds 15 µg/L regulatory action level for lead

Grey highlight = sample location was not sampled during April 2022 sampling program

Method detection limit = 0.11 µg/l

TABLE 8
Laboratory Results
Teterboro
504 Route 46, Teterboro

Sample Point	Sample Location Description	Sample Location Code	Sample Date	Laboratory Results (µg/l)	Comments
Drinking Water Fountain	Room 910	T-504-DW-01A	4/14/2022	0.11	
		T-504-DW-01B	4/14/2022	NA	
Drinking Water Fountain	Room 910	T-504-DW-02A	4/14/2022	<0.11U	
		T-504-DW-02B	4/14/2022	NA	
Drinking Water Fountain	Room 914	T-504-DW-03A	4/14/2022	<0.11U	
		T-504-DW-03B	4/14/2022	NA	
Drinking Water Fountain	Room 914	T-504-DW-04A	4/14/2022	<0.11U	
		T-504-DW-04B	4/14/2022	NA	
Water Cooler	Room 905	T-504-WC-27A	4/14/2022	<0.11U	
		T-504-WC-27B	4/14/2022	NA	
Water Cooler	Room 905	T-504-WC-28A	4/14/2022	<0.11U	
		T-504-WC-28B	4/14/2022	NA	
Drinking Water Fountain	Outside Room 703D	T-504-DW-07A	5/1/2022	<0.11U	
		T-504-DW-07B	5/1/2022	NA	
Nurse's office sink	Room 708	T-504-NS-05A	4/14/2022	1.79	
		T-504-NS-05B	4/14/2022	NA	
Teacher's lounge sink	Room 716	T-504-TL-06A	4/14/2022	0.25	
		T-504-TL-06B	4/14/2022	NA	
Teacher's lounge sink	Room 705	T-504-TL-08A	NA	NA	Not sampled, removed
		T-504-TL-08B	NA	NA	
Kitchen sink	Room 501 Pot filler	T-504-KS-09A	4/14/2022	3.81	
		T-504-KS-09B	4/14/2022	NA	
Kitchen sink	Room 501 Pot filler	T-504-KS-10A	4/14/2022	3.19	
		T-504-KS-10B	4/14/2022	NA	
Kitchen sink	Room 501 Pot filler	T-504-KS-11A	4/14/2022	3.01	
		T-504-KS-11B	4/14/2022	NA	
Kitchen sink	Room 501 Pot filler	T-504-KS-12A	4/14/2022	3.04	
		T-504-KS-12B	4/14/2022	NA	
Kitchen sink	Room 501 Pot filler	T-504-KS-13A	4/14/2022	8.36	
		T-504-KS-13B	4/14/2022	NA	
Ice machine	Room 501	T-504-IM-14A	4/14/2022	<0.11U	
Kitchen sink	Room 501	T-504-KS-15A	4/14/2022	0.43	
		T-504-KS-15B	4/14/2022	NA	
Drinking Water Fountain	Outside Room 510	T-504-DW-16A	4/14/2022	<0.11U	
		T-504-DW-16B	4/14/2022	NA	
Drinking Water Fountain	Outside Room 511	T-504-DW-17A	4/14/2022	<0.11U	
		T-504-DW-17B	4/14/2022	NA	
Drinking Water Fountain	Outside Room 518	T-504-DW-18A	4/14/2022	<0.11U	
		T-504-DW-18B	4/14/2022	NA	
Drinking Water Fountain	Outside Room 724	T-504-DW-19A	4/14/2022	<0.11U	
		T-504-DW-19B	4/14/2022	NA	
Drinking Water Fountain	Room 728	T-504-DW-20A	4/14/2022	0.64	
		T-504-DW-20B	4/14/2022	NA	
Kitchen sink	Room 121	T-504-KS-21A	4/14/2022	1.67	
		T-504-KS-21B	4/14/2022	NA	

TABLE 8
Laboratory Results
Teterboro
504 Route 46, Teterboro

Sample Point	Sample Location Description	Sample Location Code	Sample Date	Laboratory Results (µg/l)	Comments
Kitchen sink	Room 121	T-504-KS-22A	4/14/2022	0.29	
		T-504-KS-22B	4/14/2022	NA	
Nurse's office	Room 121	T-504-IM-23A	4/14/2022	<0.11U	
Drinking Water Fountain	Room 115	T-504-DW-24A	4/14/2022	<0.11U	
		T-504-DW-24B	4/14/2022	NA	
Teacher's lounge	Outside Room 304	T-504-DW-25A	4/14/2022	<0.11U	
		T-504-DW-25B	4/14/2022	NA	
Drinking Water Fountain	Outside Room 114	T-504-DW-26A	4/14/2022	<0.11U	
		T-504-DW-26B	4/14/2022	NA	

NOTES:

"A" identifier designates a First Draw sample.

"B" identifier designates a Flush sample.

U = analyzed for lead, but not detected above method detection limit

NA = not analyzed for in this sample.

Grey highlight = sample location was not sampled during April 2022 sampling program

Method detection limit = 0.11 µg/l

TABLE 9
Laboratory Results
Vocational School
275 Pascack Road, Paramus

Sample Point	Sample Location Description	Sample Location Code	Sample Date	Laboratory Results (µg/l)	Comments
Kitchen sink	Room 322	P-275-KS-12A	4/12/2022	0.12	
		P-275-KS-12B	4/12/2022	NA	
Ice machine	Room 322	P-275-IM-16A	4/12/2022	<0.11U	
Kitchen sink	Room 322	P-275-KS-13A	4/12/2022	<0.11U	
		P-275-KS-13B	4/12/2022	NA	
Kitchen sink	Room 322	P-275-KS-14A	4/12/2022	0.34	
		P-275-KS-14B	4/12/2022	NA	
Kitchen sink	Room 322	P-275-KS-25A	4/12/2022	2.60	
		P-275-KS-25B	4/12/2022	NA	
Kitchen sink	Room 322	P-275-KS-15A	4/12/2022	0.52	
		P-275-KS-15B	4/12/2022	NA	
Ice machine	Room 313	P-275-IM-18A	NA	NA	Not sampled, outlet removed
Kitchen sink	Room 313	P-275-KS-19A	4/12/2022	0.68	
		P-275-KS-19B	4/12/2022	NA	
Drinking Water Fountain	Outside Room 312	P-275-DW-17A	4/12/2022	<0.11U	
		P-275-DW-17B	4/12/2022	NA	
Nurse's office sink	Room 320	P-275-NS-20A	4/12/2022	1,770	
		P-275-NS-20B	4/12/2022	0.23	
Drinking Water Fountain	Room 324	P-275-DW-11A	4/12/2022	0.16	
		P-275-DW-11B	4/12/2022	NA	
Drinking Water Fountain	Gym Hallway	P-275-DW-10A	4/12/2022	<0.11U	
		P-275-DW-10B	4/12/2022	NA	
Coffee machine	Room 137	P-275-CM-24A	NA	NA	Not sampled, hot water only
		P-275-CM-24B	NA	NA	
Kitchen sink	Room 137	P-275-KS-21A	4/12/2022	0.60	
		P-275-KS-21B	4/12/2022	NA	
Ice machine	Room 132	P-275-IM-22A	NA	NA	Not sampled, broken since 2019
Kitchen sink	Room 132	P-275-KS-01A	4/12/2022	0.66	
		P-275-KS-01B	4/12/2022	NA	
Kitchen sink	Room 132	P-275-KS-02A	4/12/2022	2.65	
		P-275-KS-02B	4/12/2022	NA	
Kitchen sink	Room 130	P-275-KS-03A	4/12/2022	0.93	
		P-275-KS-03B	4/12/2022	NA	
Kitchen sink	Room 130	P-275-KS-05A	4/12/2022	2.28	
		P-275-KS-05B	4/12/2022	NA	
Kitchen sink	Room 130	P-275-KS-06A	5/1/2022	<0.11U	
		P-275-KS-06B	5/1/2022	NA	
Ice machine	Room 130	P-275-IM-04A	4/12/2022	<0.11U	
Coffee machine	Room 130	P-275-CM-23A	NA	NA	Not sampled, hot water only
		P-275-CM-23B	NA	NA	
Drinking Water Fountain	Outside Room 125	P-275-DW-07A	4/12/2022	12.3	
		P-275-DW-07B	4/12/2022	NA	
Drinking Water Fountain	Outside Room 121	P-275-DW-08A	4/12/2022	<0.11U	
		P-275-DW-08B	4/12/2022	NA	
Drinking Water Fountain	Room 144	P-275-DW-09A	NA	NA	Not sampled, outlet removed
		P-275-DW-09B	NA	NA	

NOTES:

"A" identifier designates a First Draw sample.

"B" identifier designates a Flush sample.

U = analyzed for lead, but not detected above method detection limit

NA = not analyzed for in this sample.

Yellow highlight = sample exceeds 15 µg/L regulatory action level for lead

Grey highlight = sample location was not sampled during April 2022 sampling program

Method detection limit = 0.11 µg/l

TABLE 10
Laboratory Results
Bergen County Community College - Ender Hall
400 Paramus Road, Paramus

Sample Point	Sample Location Description	Sample Location Code	Sample Date	Laboratory Results (µg/l)	Comments
Drinking Water Fountain	Between E-110 and Staff Rooms	P-400-DW-01A	5/1/2022	<0.11U	
		P-400-DW-01B	5/1/2022	NA	
Nurse's office sink	Room E-124	P-400-NS-02A	5/1/2022	0.37	
		P-400-NS-02B	5/1/2022	NA	
Nurse's office sink	Room E-124	P-400-NS-03A	5/1/2022	2.5	
		P-400-NS-03B	5/1/2022	NA	
Kitchen sink	Room E-193	P-400-KS-04A	5/1/2022	1.05	
		P-400-KS-04B	5/1/2022	NA	
Ice machine	Room E-193	P-400-IM-05A	5/1/2022	<0.11U	
Kitchen sink	Room E-193	P-400-KS-06A	5/1/2022	0.24	
		P-400-KS-06B	5/1/2022	NA	
Kitchen sink	Room E-193	P-400-KS-07A	5/1/2022	<0.11U	
		P-400-KS-07B	5/1/2022	NA	
Kitchen sink	Room E-193	P-400-KS-08A	5/1/2022	0.54	
		P-400-KS-08B	5/1/2022	NA	
Kitchen sink	Room E-193	P-400-KS-09A	5/1/2022	0.45	
		P-400-KS-09B	5/1/2022	NA	
Kitchen sink	Room E-193	P-400-KS-10A	5/1/2022	0.14	
		P-400-KS-10B	5/1/2022	NA	
Kitchen sink	Room E-193	P-400-KS-11A	5/1/2022	1.32	
		P-400-KS-11B	5/1/2022	NA	
Ice machine	Food Closet	P-400-IM-12A	5/1/2022	<0.11U	
Kitchen sink	Food Services	P-400-KS-13A	5/1/2022	0.33	
		P-400-KS-13B	5/1/2022	NA	
Drinking Water Fountain	Outside Male Faculty Bathroom	P-400-DW-14A	5/1/2022	<0.11U	
		P-400-DW-14B	5/1/2022	NA	
Drinking Water Fountain	Hall across from Room E-163	P-400-DW-15A	5/1/2022	10.7	
		P-400-DW-15B	5/1/2022	NA	
Teacher's lounge sink	Room E-166	P-400-TL-16A	5/1/2022	76.4	
		P-400-TL-16B	5/1/2022	0.48	

NOTES:

"A" identifier designates a First Draw sample.

"B" identifier designates a Flush sample.

U = analyzed for lead, but not detected above method detection limit

NA = not analyzed for in this sample.

Yellow highlight = sample exceeds 15 µg/L regulatory action level for lead

Method detection limit = 0.11 µg/l

Table 11
Technical Services School District
Long-Term Response Decision Matrix

Kitchen Sink/Nurse's Sink/Teacher's Lounge Sink		
Fail First Draw Sample/Pass Flush Sample	Option 1	Replace fixture, supply line & shut-off valves *
	Option 2	Install Filter **
	Option 3	Institute flushing program
	Option 4	Remove Fixture/Location from Service - do not replace

NOTES:

1. If remedial options presented above are impractical for whatever reason, continue the use of bottled water for drinking and food preparation purposes.

***** Make sure that replacement system components (piping, faucets, etc.) are compliant with the NSF Standard 61.

****** Make sure the filter selected is certified under NSF/ANSI Standard 53 standards for lead reduction.

APPENDIX A

SAMPLE LOCATION PLANS

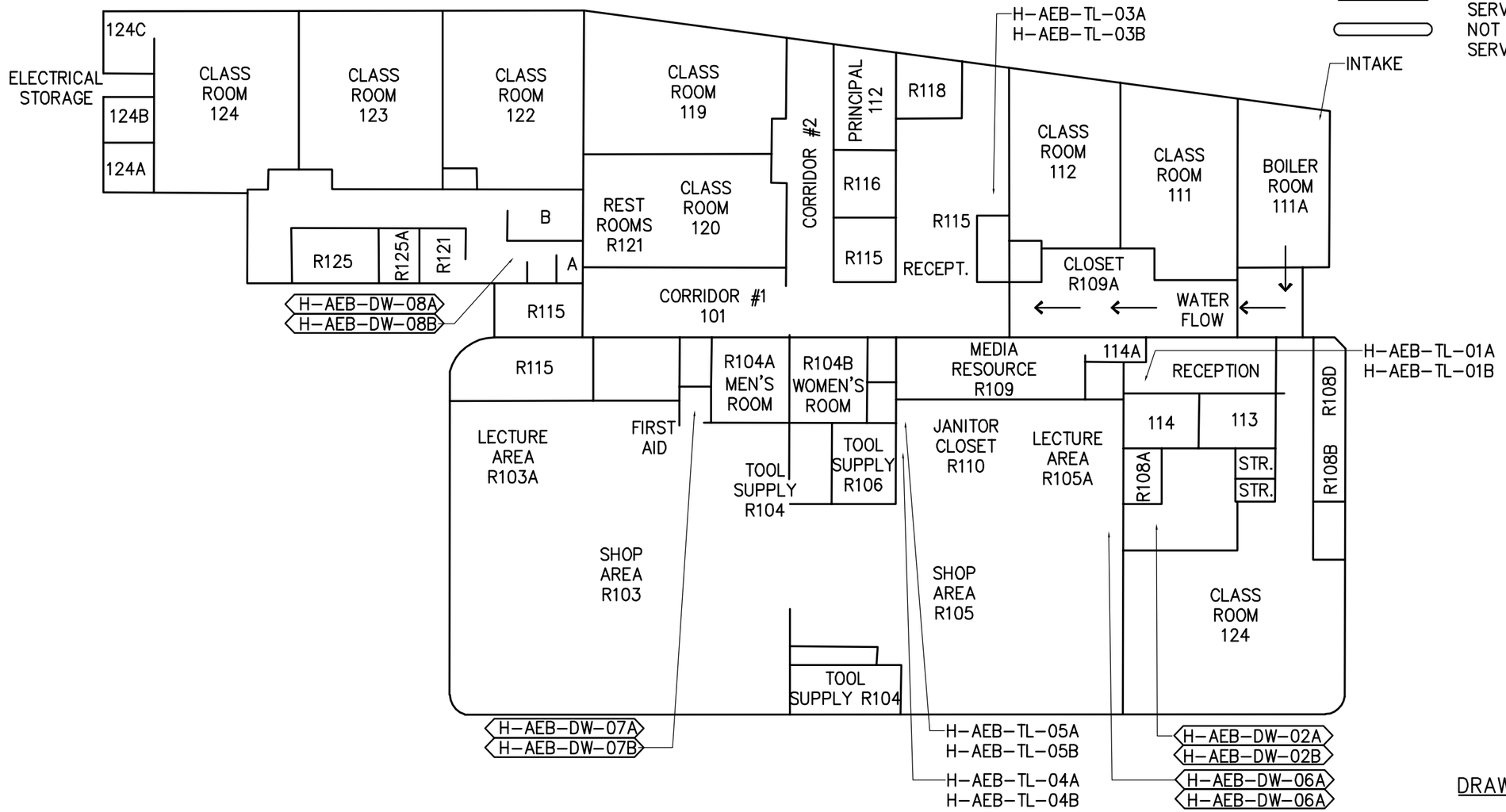
ADULT EDUCATION BUILDING

ADULT EDUCATION BUILDING

190 HACKENSACK AVE, HACKENSACK

LEGEND:

	SAMPLE ABOVE LEAD LIMIT
CM	COFFEE MACHINE
DW	DRINKING WATER FOUNTAIN
EC	HOME ECONOMICS CLASSROOM SINK
IM	ICE MACHINE
KS	KITCHEN SINK
NS	NURSE'S OFFICE SINK
TL	TEACHER'S LOUNGE SINK
WC	WATER COOLER
	NOT SAMPLED, NOT IN SERVICE/INACTIVE
	NOT SAMPLED, REMOVED FROM SERVICE



DRAWING NOT TO SCALE

CHA
III Winners Circle, PO Box 5269
Albany, NY 12205-0269
518.453.4500 . www.chacompanies.com

LEAD IN DRINKING WATER
SAMPLE LOCATION PLAN
BERGEN COUNTY TECHNICAL SERVICES
SCHOOL DISTRICT
BERGEN COUNTY, NEW JERSEY

PROJECT NO. 31521

DATE: 06/2022

ADULT ED BLDG

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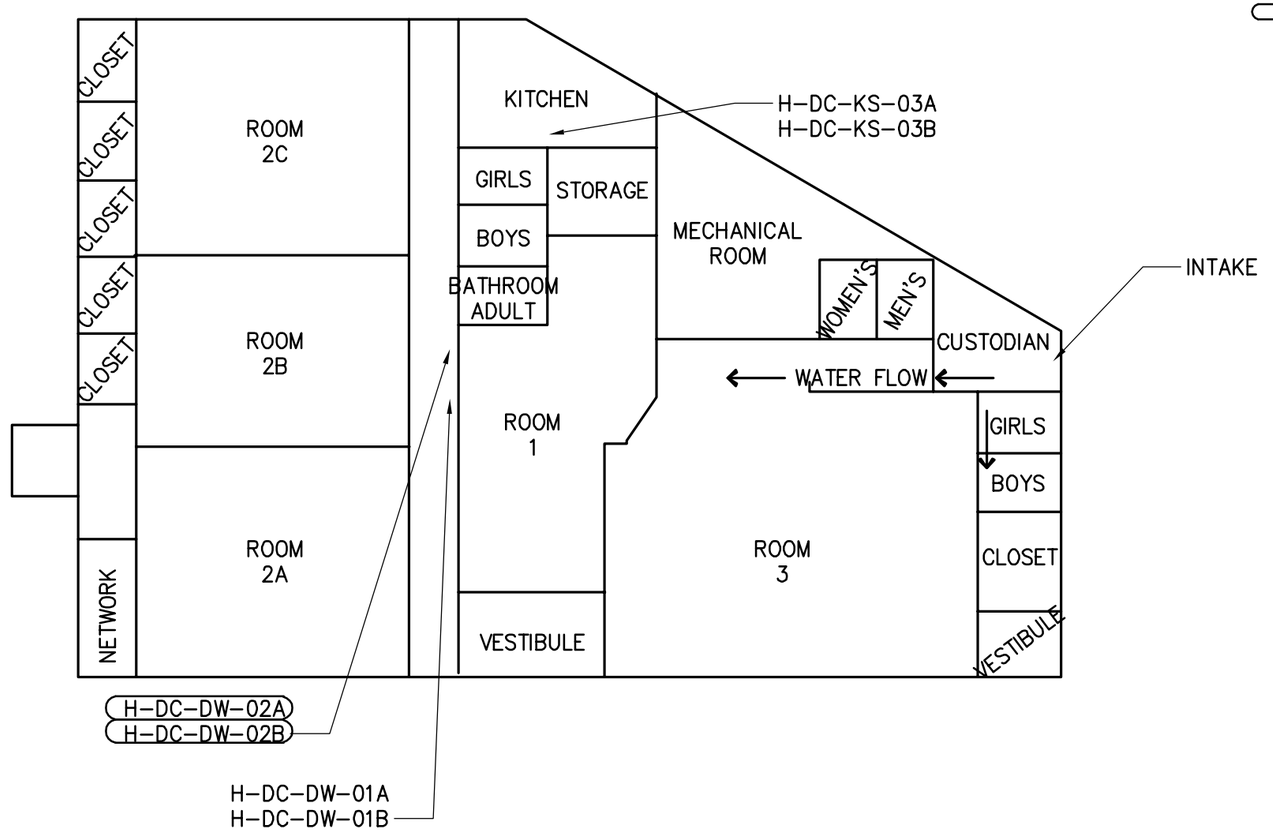
DAYCARE

HACKENSACK CAMPUS– DAYCARE BUILDING

LEGEND:

	SAMPLE ABOVE LEAD LIMIT
CM	COFFEE MACHINE
DW	DRINKING WATER FOUNTAIN
EC	HOME ECONOMICS CLASSROOM SINK
IM	ICE MACHINE
KS	KITCHEN SINK
NS	NURSE'S OFFICE SINK
TL	TEACHER'S LOUNGE SINK
WC	WATER COOLER
	NOT SAMPLED, NOT IN SERVICE/INACTIVE
	NOT SAMPLED, REMOVED FROM SERVICE



DRAWING NOT TO SCALE

CHA
111 Winners Circle, PO Box 5269
Albany, NY 12205-0269
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LEAD IN DRINKING WATER
SAMPLE LOCATION PLAN
BERGEN COUNTY TECHNICAL SERVICES
SCHOOL DISTRICT
BERGEN COUNTY, NEW JERSEY

PROJECT NO. 31521

DATE: 06/2022

DAY CARE

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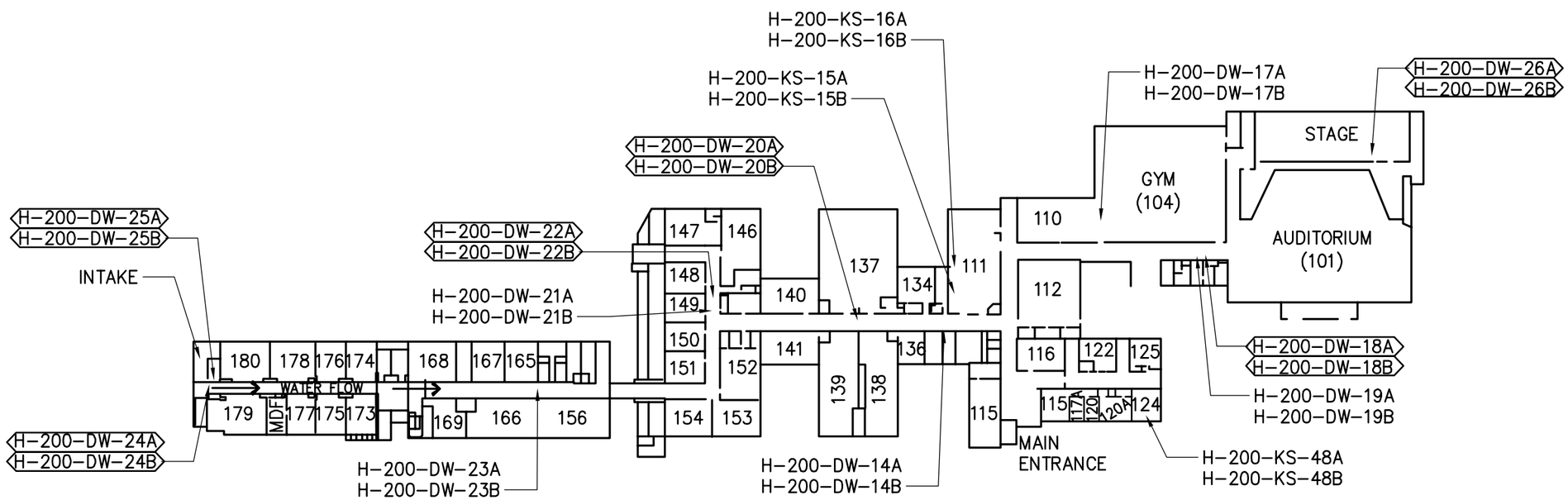
MAIN BUILDING

HACKENSACK CAMPUS
1ST FLOOR

LEGEND:

	SAMPLE ABOVE LEAD LIMIT
CM	COFFEE MACHINE
DW	DRINKING WATER FOUNTAIN
EC	HOME ECONOMICS CLASSROOM SINK
IM	ICE MACHINE
KS	KITCHEN SINK
NS	NURSE'S OFFICE SINK
TL	TEACHER'S LOUNGE SINK
WC	WATER COOLER
	NOT SAMPLED, NOT IN SERVICE/INACTIVE
	NOT SAMPLED, REMOVED FROM SERVICE



DRAWING NOT TO SCALE

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III Winners Circle, PO Box 5269
Albany, NY 12205-0269
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LEAD IN DRINKING WATER
SAMPLE LOCATION PLAN
BERGEN COUNTY TECHNICAL SERVICES
SCHOOL DISTRICT
BERGEN COUNTY, NEW JERSEY

PROJECT NO. 31521

DATE: 06/2022

HACKENSACK–MAIN. 1ST FLOOR

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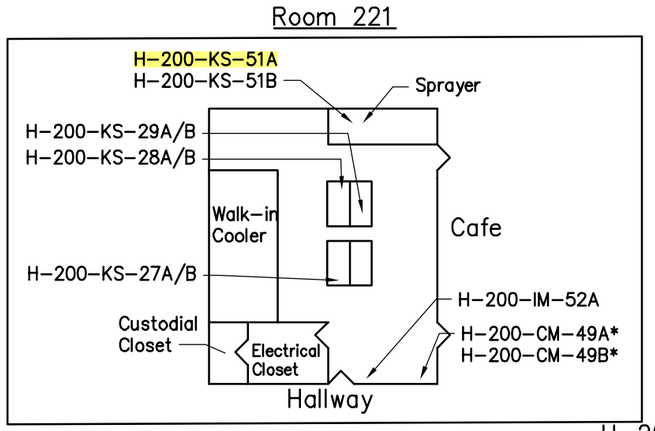
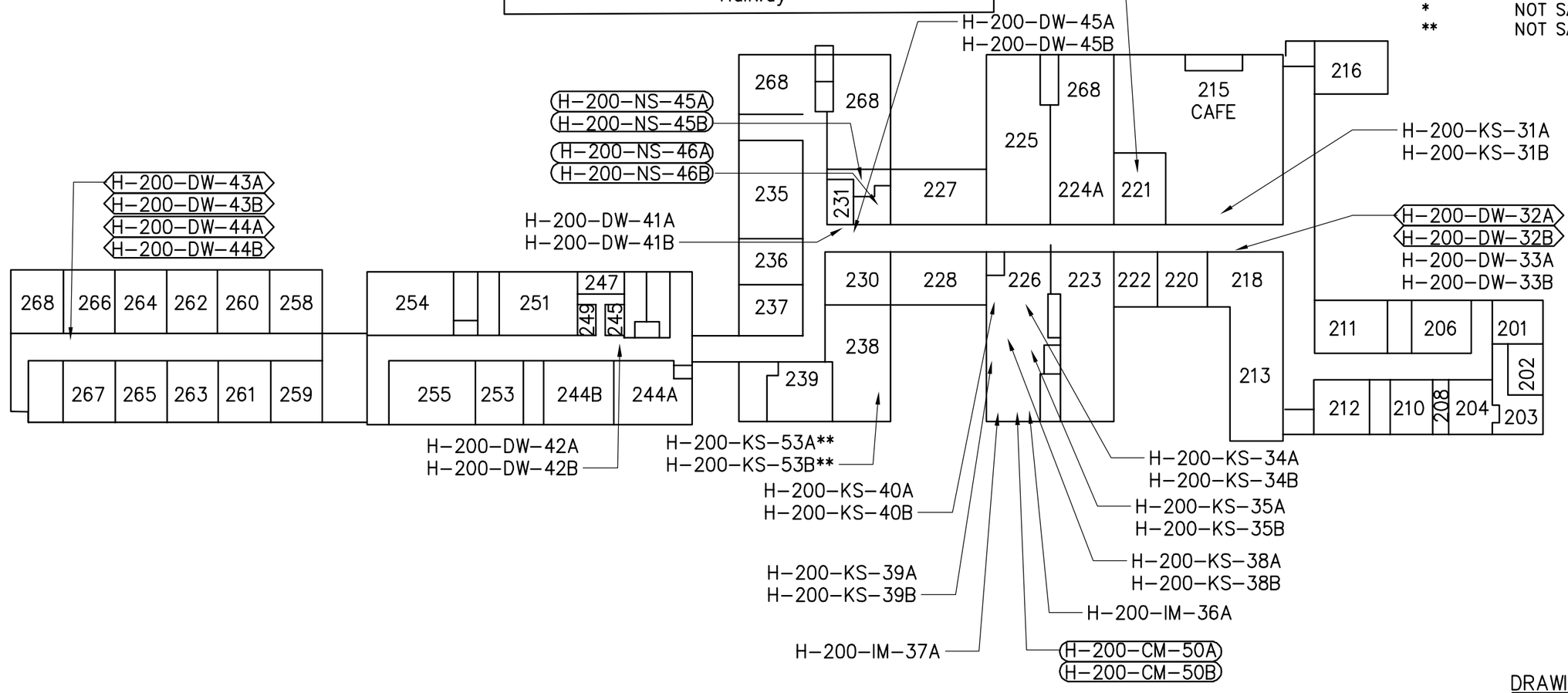
MAIN HACKENSACK CAMPUS
2ND FLOOR



LEGEND:

	SAMPLE ABOVE LEAD LIMIT
CM	COFFEE MACHINE
DW	DRINKING WATER FOUNTAIN
EC	HOME ECONOMICS CLASSROOM SINK
IM	ICE MACHINE
KS	KITCHEN SINK
NS	NURSE'S OFFICE SINK
TL	TEACHER'S LOUNGE SINK
WC	WATER COOLER
	NOT SAMPLED, NOT IN SERVICE/INACTIVE
	NOT SAMPLED, REMOVED FROM SERVICE
*	NOT SAMPLED – HOT WATER ONLY
**	NOT SAMPLED



DRAWING NOT TO SCALE

CHA
111 Winners Circle, PO Box 5269
Albany, NY 12205-0269
518.453.4500 . www.chacompanies.com

LEAD IN DRINKING WATER
SAMPLE LOCATION PLAN
BERGEN COUNTY TECHNICAL SERVICES
SCHOOL DISTRICT
BERGEN COUNTY, NEW JERSEY

PROJECT NO. 31521
DATE: 06/2022
HACKENSACK–MAIN 2ND FLOOR

File: \\CHA-LLP.COM\PROJ\PROJECTS\ANY\K4\31521\CADD\FIGURES\CADD\31521_TECHSERVICES_HACKENSACK_MAINBLDG2.DWG
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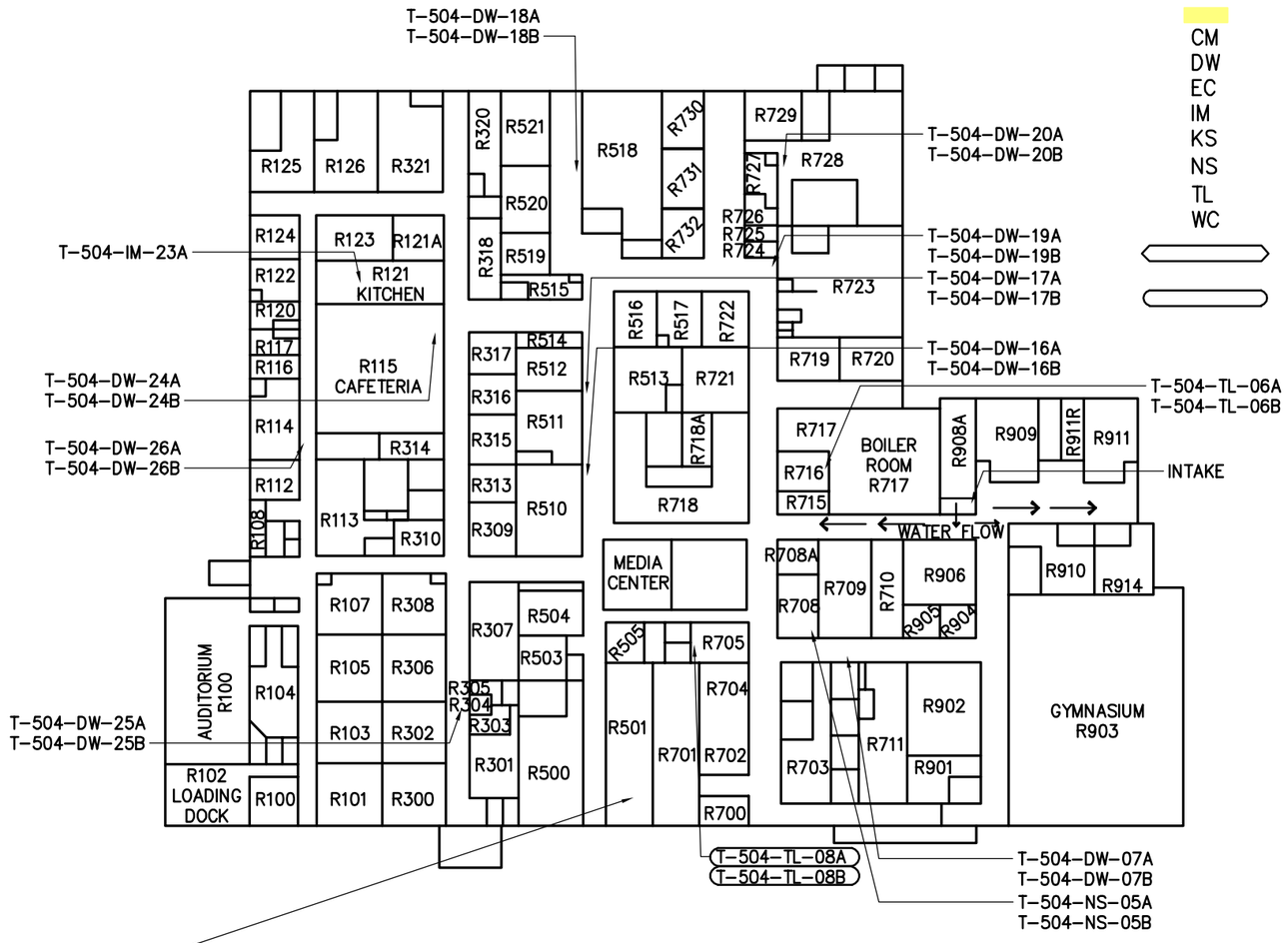
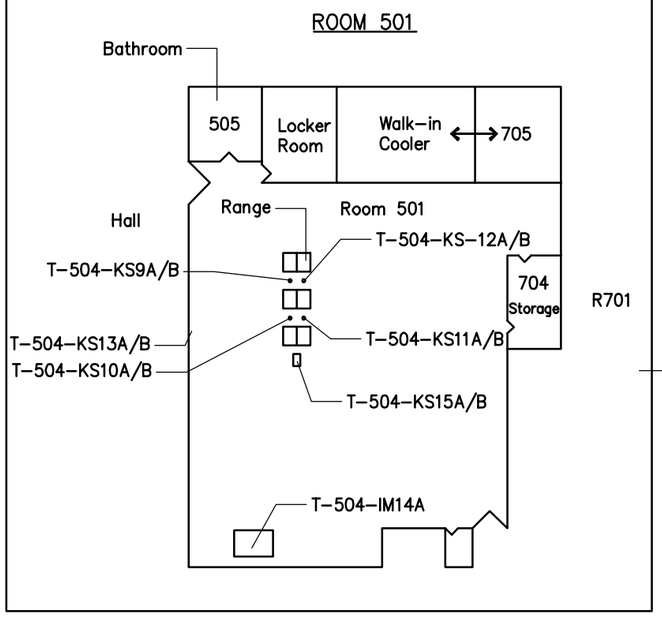
TETERBORO CAMPUS

TETERBORO CAMPUS

LEGEND:

	SAMPLE ABOVE LEAD LIMIT
CM	COFFEE MACHINE
DW	DRINKING WATER FOUNTAIN
EC	HOME ECONOMICS CLASSROOM SINK
IM	ICE MACHINE
KS	KITCHEN SINK
NS	NURSE'S OFFICE SINK
TL	TEACHER'S LOUNGE SINK
WC	WATER COOLER
	NOT SAMPLED, NOT IN SERVICE/INACTIVE
	NOT SAMPLED, REMOVED FROM SERVICE





DRAWING NOT TO SCALE

CHA
III Winners Circle, PO Box 5269
Albany, NY 12205-0269
518.453.4500 . www.chacompanies.com

LEAD IN DRINKING WATER
SAMPLE LOCATION PLAN
BERGEN COUNTY TECHNICAL SERVICES
SCHOOL DISTRICT
BERGEN COUNTY, NEW JERSEY

PROJECT NO. 31521
DATE: 06/2022
TETERBORO

File: \\CHA-LLP.COM\PROJ\PROJECTS\ANY\K4\31521\CADD\FIGURES\CADD\31521_TECHSERVICES_TETERBORO.DWG
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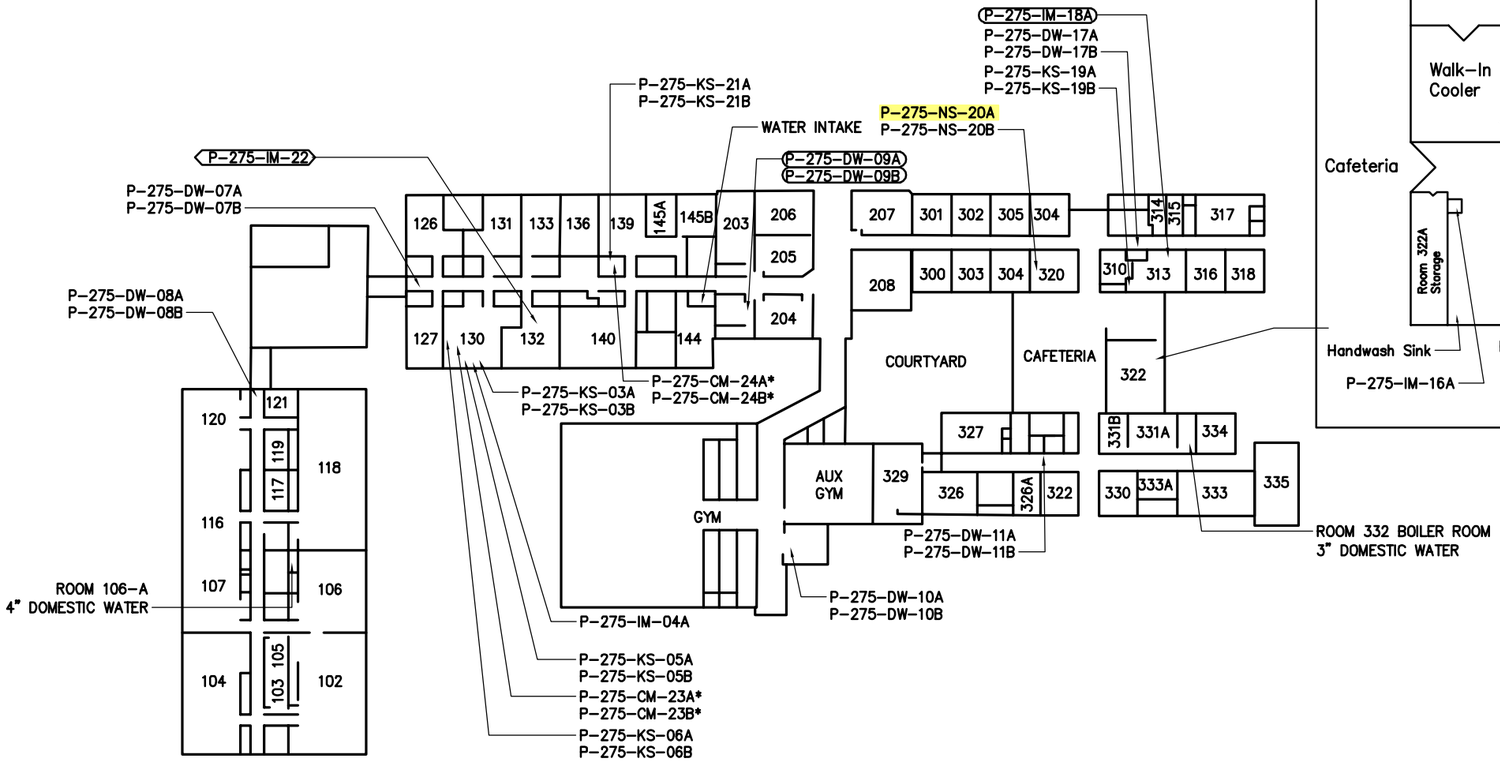
VOCATIONAL SCHOOL

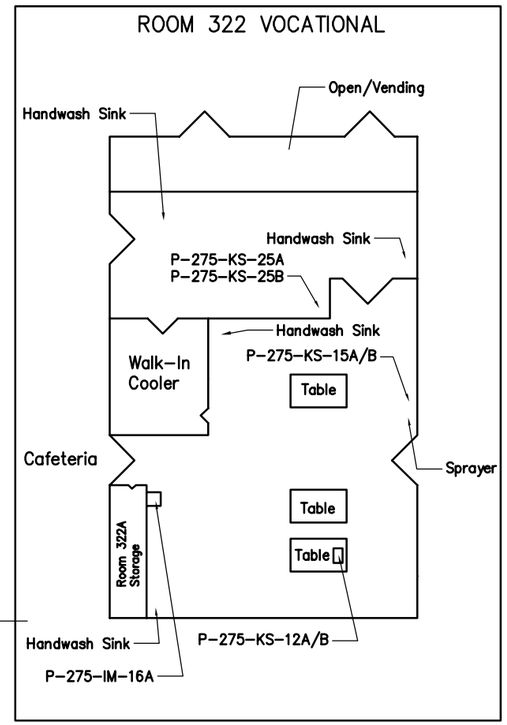
PARAMUS CAMPUS – BCTS

VOCATIONAL SCHOOL

LEGEND:

	SAMPLE ABOVE LEAD LIMIT
CM	COFFEE MACHINE
DW	DRINKING WATER FOUNTAIN
EC	HOME ECONOMICS CLASSROOM SINK
IM	ICE MACHINE
KS	KITCHEN SINK
NS	NURSE'S OFFICE SINK
TL	TEACHER'S LOUNGE SINK
WC	WATER COOLER
	NOT SAMPLED, NOT IN SERVICE/INACTIVE
	NOT SAMPLED, REMOVED FROM SERVICE
*	NOT SAMPLED – HOT WATER ONLY





DRAWING NOT TO SCALE

CHA
111 Winners Circle, PO Box 5269
Albany, NY 12205-0269
518.453.4500 . www.chacompanies.com

LEAD IN DRINKING WATER
SAMPLE LOCATION PLAN
BERGEN COUNTY TECHNICAL SERVICES
SCHOOL DISTRICT
BERGEN COUNTY, NEW JERSEY

PROJECT NO. 31521

DATE: 06/2022

VOCATIONAL

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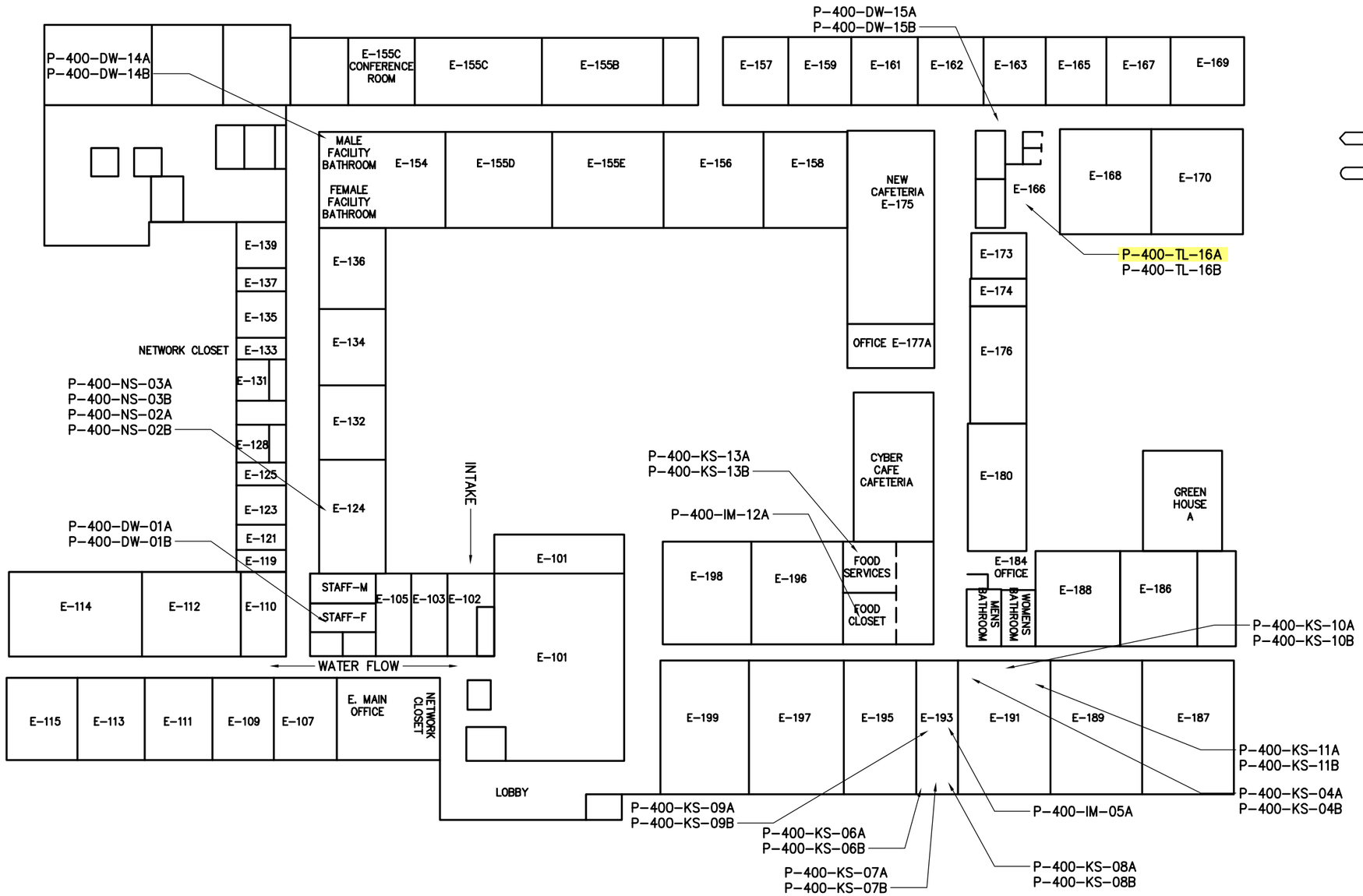
ENDER HALL

APPLIED TECHNOLOGY HIGH SCHOOL
ENDER HALL



LEGEND:

	SAMPLE ABOVE LEAD LIMIT
CM	COFFEE MACHINE
DW	DRINKING WATER FOUNTAIN
EC	HOME ECONOMICS CLASSROOM SINK
IM	ICE MACHINE
KS	KITCHEN SINK
NS	NURSE'S OFFICE SINK
TL	TEACHER'S LOUNGE SINK
WC	WATER COOLER
	NOT SAMPLED, NOT IN SERVICE/INACTIVE
	NOT SAMPLED, REMOVED FROM SERVICE
*	NOT SAMPLED – HOT WATER ONLY

DRAWING NOT TO SCALE

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518.453.4500 . www.chacompanies.com

LEAD IN DRINKING WATER
SAMPLE LOCATION PLAN
BERGEN COUNTY TECHNICAL SERVICES
SCHOOL DISTRICT
BERGEN COUNTY, NEW JERSEY

PROJECT NO. 31521

DATE: 06/2022

ENDER

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APPENDIX B

LABORATORY REPORTS

LABORATORY REPORTS

Adult Education Building

Daycare

Environmental Building

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-256454-1
Client Project/Site: Bergen County School District - Special

For:
CHA Inc
III Winners Circle
PO BOX 5269
Albany, New York 12205-0269

Attn: Ms. Carrie Robinson

Authorized for release by:
5/18/2022 9:30:39 AM

April Callahan, Project Manager
(732)549-3900
April.Callahan@et.eurofinsus.com

Table of Contents

Definitions/Glossary

Client: CHA Inc
Job ID: 460-256454-1
Project/Site: Bergen County School District - Special

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-256454-1

Laboratory: Eurofins Edison

Narrative

CASE NARRATIVE

Client: CHA Inc

Project: Bergen County School District - Special

Report Number: 460-256454-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 4/15/2022 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.1º C, 3.3º C and 3.7º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

Receipt Exceptions

Remaining holds were canceled on 5/17.

TOTAL METALS

Samples W-304-KS-02A (460-256454-1), W-304-KS-03A (460-256454-3), W-304-DW-04A (460-256454-5), W-304-DW-05A (460-256454-7), W-304-CM-11A (460-256454-9), W-304-KS-06A (460-256454-10), W-304-DW-07A (460-256454-12), W-304-NS09A (460-256454-14), W-304-TL-10A (460-256454-16), CHA1-4 (460-256454-18), H-334-NS-01A (460-256454-19), H-334-TL-02A (460-256454-21), H-334-DW-03A (460-256454-23), H-334-DW-04A (460-256454-25), H-334-KS-05A (460-256454-27), W-304-NS-01A (460-256454-29), G-27-KS-01A (460-256454-31), G-304-NS-01A (460-256454-33), S-492-DW-01A (460-256454-35), S-492-IM-02A (460-256454-37), S-492-KS-03A (460-256454-38), S-492-DW-04A (460-256454-40), S-492-NS-05A (460-256454-42), S-492-TL-06A (460-256454-44), S-492-DW-07A (460-256454-46), CHA1-5 (460-256454-48), H-DC-DW-01A (460-256454-51), H-DC-KS-03A (460-256454-53), H-AEB-TL-01A (460-256454-55), H-AEB-TL-03A (460-256454-57), H-AEB-TL-04A (460-256454-59), H-AEB-TL-05A (460-256454-61) and H-ENV-DW-02A (460-256454-63) were analyzed for total metals in accordance with EPA Method 200.8 (ICP/MS). The samples were prepared and analyzed on 04/20/2022.

As a standard practice all non-potable samples and related QC samples (i.e., MB, LCS, Dup, MS, SD) are diluted 5X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: CHA Inc
Job ID: 460-256454-1
Project/Site: Bergen County School District - Special

Client Sample ID: W-304-KS-02A — Lab Sample ID: 460-256454-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.88		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: W-304-KS-03A — Lab Sample ID: 460-256454-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.30		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: W-304-DW-04A — Lab Sample ID: 460-256454-5

No Detections.

Client Sample ID: W-304-DW-05A — Lab Sample ID: 460-256454-7

No Detections.

Client Sample ID: W-304-CM-11A — Lab Sample ID: 460-256454-9

No Detections.

Client Sample ID: W-304-KS-06A — Lab Sample ID: 460-256454-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.72		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: W-304-DW-07A — Lab Sample ID: 460-256454-12

No Detections.

Client Sample ID: W-304-NS09A — Lab Sample ID: 460-256454-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.17		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: W-304-TL-10A — Lab Sample ID: 460-256454-16

No Detections.

Client Sample ID: CHA1-4 — Lab Sample ID: 460-256454-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.27		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-334-NS-01A — Lab Sample ID: 460-256454-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.33		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-334-TL-02A — Lab Sample ID: 460-256454-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.28		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-334-DW-03A — Lab Sample ID: 460-256454-23

No Detections.

Client Sample ID: H-334-DW-04A — Lab Sample ID: 460-256454-25

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

Client: CHA Inc
Job ID: 460-256454-1
Project/Site: Bergen County School District - Special

Client Sample ID: H-334-KS-05A — Lab Sample ID: 460-256454-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.06		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: W-304-NS-01A — Lab Sample ID: 460-256454-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.82		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: G-27-KS-01A — Lab Sample ID: 460-256454-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.24		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: G-304-NS-01A — Lab Sample ID: 460-256454-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.54		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: S-492-DW-01A — Lab Sample ID: 460-256454-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.79		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: S-492-IM-02A — Lab Sample ID: 460-256454-37

No Detections.

Client Sample ID: S-492-KS-03A — Lab Sample ID: 460-256454-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.49		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: S-492-DW-04A — Lab Sample ID: 460-256454-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.35		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: S-492-NS-05A — Lab Sample ID: 460-256454-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.19		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: S-492-TL-06A — Lab Sample ID: 460-256454-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.92		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: S-492-DW-07A — Lab Sample ID: 460-256454-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	5.63		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: CHA1-5 — Lab Sample ID: 460-256454-48

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.25		2.00	0.11	ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: CHA Inc
Job ID: 460-256454-1
Project/Site: Bergen County School District - Special

Client Sample ID: H-DC-DW-01A — Lab Sample ID: 460-256454-51

No Detections.

Client Sample ID: H-DC-KS-03A — Lab Sample ID: 460-256454-53

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.33		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-AEB-TL-01A — Lab Sample ID: 460-256454-55

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.38		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-AEB-TL-03A — Lab Sample ID: 460-256454-57

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.66		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-AEB-TL-04A — Lab Sample ID: 460-256454-59

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.64		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-AEB-TL-05A — Lab Sample ID: 460-256454-61

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.97		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-ENV-DW-02A — Lab Sample ID: 460-256454-63

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample ID: W-304-KS-02A
Lab Sample ID: 460-256454-1
Date Collected: 04/14/22 06:50
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.88		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:44	1

Client Sample ID: W-304-KS-03A
Lab Sample ID: 460-256454-3
Date Collected: 04/14/22 06:52
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.30		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:47	1

Client Sample ID: W-304-DW-04A
Lab Sample ID: 460-256454-5
Date Collected: 04/14/22 06:57
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:49	1

Client Sample ID: W-304-DW-05A
Lab Sample ID: 460-256454-7
Date Collected: 04/14/22 06:59
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:51	1

Client Sample ID: W-304-CM-11A
Lab Sample ID: 460-256454-9
Date Collected: 04/14/22 07:47
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:54	1

Client Sample ID: W-304-KS-06A
Lab Sample ID: 460-256454-10
Date Collected: 04/14/22 07:04
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.72		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:56	1

Client Sample ID: W-304-DW-07A
Lab Sample ID: 460-256454-12
Date Collected: 04/14/22 07:11
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 16:11	1

Client Sample ID: W-304-NS09A
Lab Sample ID: 460-256454-14
Date Collected: 04/14/22 07:16
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.17		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 16:13	1

Client Sample ID: W-304-TL-10A
Lab Sample ID: 460-256454-16
Date Collected: 04/14/22 07:20
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 16:04	1

Client Sample ID: CHA1-4
Lab Sample ID: 460-256454-18
Date Collected: 04/14/22 07:18
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.27		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 16:20	1

Client Sample ID: H-334-NS-01A
Lab Sample ID: 460-256454-19
Date Collected: 04/14/22 11:30
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.33		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 16:23	1

Client Sample ID: H-334-TL-02A
Lab Sample ID: 460-256454-21
Date Collected: 04/14/22 11:50
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.28		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 16:25	1

Client Sample ID: H-334-DW-03A
Lab Sample ID: 460-256454-23
Date Collected: 04/14/22 11:56
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 16:27	1

Client Sample ID: H-334-DW-04A
Lab Sample ID: 460-256454-25
Date Collected: 04/14/22 11:59
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 16:30	1

Client Sample ID: H-334-KS-05A
Lab Sample ID: 460-256454-27
Date Collected: 04/14/22 11:40
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.06		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 16:34	1

Client Sample ID: W-304-NS-01A
Lab Sample ID: 460-256454-29
Date Collected: 04/14/22 06:40
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.82		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 16:46	1

Client Sample ID: G-27-KS-01A
Lab Sample ID: 460-256454-31
Date Collected: 04/14/22 08:34
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.24		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 16:48	1

Client Sample ID: G-304-NS-01A
Lab Sample ID: 460-256454-33
Date Collected: 04/14/22 09:21
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.54		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 16:51	1

Client Sample ID: S-492-DW-01A
Lab Sample ID: 460-256454-35
Date Collected: 04/14/22 10:13
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.79		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 16:53	1

Client Sample ID: S-492-IM-02A
Lab Sample ID: 460-256454-37
Date Collected: 04/14/22 10:21
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 16:55	1

Client Sample ID: S-492-KS-03A
Lab Sample ID: 460-256454-38
Date Collected: 04/14/22 10:21
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.49		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 16:58	1

Client Sample ID: S-492-DW-04A
Lab Sample ID: 460-256454-40
Date Collected: 04/14/22 10:26
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.35		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 17:00	1

Client Sample ID: S-492-NS-05A
Lab Sample ID: 460-256454-42
Date Collected: 04/14/22 10:41
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.19		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 17:02	1

Client Sample ID: S-492-TL-06A
Lab Sample ID: 460-256454-44
Date Collected: 04/14/22 10:47
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.92		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 17:05	1

Client Sample ID: S-492-DW-07A
Lab Sample ID: 460-256454-46
Date Collected: 04/14/22 10:53
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.63		2.00	0.11	ug/L		04/20/22 15:51	04/20/22 17:11	1

Client Sample ID: CHA1-5
Lab Sample ID: 460-256454-48
Date Collected: 04/14/22 11:33
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.25		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 17:14	1

Client Sample ID: H-DC-DW-01A
Lab Sample ID: 460-256454-51
Date Collected: 04/14/22 07:00
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 18:08	04/20/22 18:50	1

Client Sample ID: H-DC-KS-03A
Lab Sample ID: 460-256454-53
Date Collected: 04/14/22 07:05
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.33		2.00	0.11	ug/L		04/20/22 18:08	04/20/22 18:52	1

Client: CHA Inc
Job ID: 460-256454-1
Project/Site: Bergen County School District - Special

Client Sample ID: H-AEB-TL-01A
Lab Sample ID: 460-256454-55
Date Collected: 04/14/22 07:20
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.38		2.00	0.11	ug/L		04/20/22 18:08	04/20/22 18:55	1

Client Sample ID: H-AEB-TL-03A
Lab Sample ID: 460-256454-57
Date Collected: 04/14/22 07:25
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.66		2.00	0.11	ug/L		04/20/22 18:08	04/20/22 19:01	1

Client Sample ID: H-AEB-TL-04A
Lab Sample ID: 460-256454-59
Date Collected: 04/14/22 07:30
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.64		2.00	0.11	ug/L		04/20/22 18:08	04/20/22 19:04	1

Client Sample ID: H-AEB-TL-05A
Lab Sample ID: 460-256454-61
Date Collected: 04/14/22 07:35
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.97		2.00	0.11	ug/L		04/20/22 18:08	04/20/22 19:06	1

Client Sample ID: H-ENV-DW-02A
Lab Sample ID: 460-256454-63
Date Collected: 04/14/22 07:40
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 18:08	04/20/22 19:09	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 460-840234/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 840247
Prep Batch: 840234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 13:51	1

Lab Sample ID: LCS 460-840234/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 840247
Prep Batch: 840234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	5.00	5.24		ug/L		105	85 - 115

Lab Sample ID: 460-256454-10 MS
Client Sample ID: W-304-KS-06A
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 840247
Prep Batch: 840234

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	1.72		5.00	6.49		ug/L		95	70 - 130

Lab Sample ID: MB 460-840250/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 840247
Prep Batch: 840250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 14:38	04/20/22 15:57	1

Lab Sample ID: LCS 460-840250/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 840247
Prep Batch: 840250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	5.00	4.74		ug/L		95	85 - 115

Lab Sample ID: 460-256454-16 MS
Client Sample ID: W-304-TL-10A
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 840247
Prep Batch: 840250

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	<0.11		5.00	4.87		ug/L		97	70 - 130

Lab Sample ID: 460-256454-27 MS
Client Sample ID: H-334-KS-05A
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 840247
Prep Batch: 840250

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	1.06		5.00	5.89		ug/L		97	70 - 130

Lab Sample ID: 460-256454-16 DU
Client Sample ID: W-304-TL-10A
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 840247
Prep Batch: 840250

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	<0.11		<0.11		ug/L		NC	20

QC Sample Results

Client: CHA Inc
Job ID: 460-256454-1
Project/Site: Bergen County School District - Special

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: 460-256454-27 DU
Matrix: Water
Analysis Batch: 840247

Client Sample ID: H-334-KS-05A
Prep Type: Total/NA
Prep Batch: 840250

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	1.06			1.07		ug/L				0.8	20

Lab Sample ID: MB 460-840300/1-A
Matrix: Water
Analysis Batch: 840247

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 840300

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 18:08	04/20/22 18:36	1

Lab Sample ID: LCS 460-840300/2-A
Matrix: Water
Analysis Batch: 840247

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 840300

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			5.00	4.75		ug/L		95	85 - 115		

Metals

Prep Batch: 840234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256454-1	W-304-KS-02A	Total/NA	Water	200	
460-256454-3	W-304-KS-03A	Total/NA	Water	200	
460-256454-5	W-304-DW-04A	Total/NA	Water	200	
460-256454-7	W-304-DW-05A	Total/NA	Water	200	
460-256454-9	W-304-CM-11A	Total/NA	Water	200	
460-256454-10	W-304-KS-06A	Total/NA	Water	200	
MB 460-840234/1-A	Method Blank	Total/NA	Water	200	
LCS 460-840234/2-A	Lab Control Sample	Total/NA	Water	200	
460-256454-10 MS	W-304-KS-06A	Total/NA	Water	200	

Analysis Batch: 840247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256454-1	W-304-KS-02A	Total/NA	Water	200.8	840234
460-256454-3	W-304-KS-03A	Total/NA	Water	200.8	840234
460-256454-5	W-304-DW-04A	Total/NA	Water	200.8	840234
460-256454-7	W-304-DW-05A	Total/NA	Water	200.8	840234
460-256454-9	W-304-CM-11A	Total/NA	Water	200.8	840234
460-256454-10	W-304-KS-06A	Total/NA	Water	200.8	840234
460-256454-12	W-304-DW-07A	Total/NA	Water	200.8	840250
460-256454-14	W-304-NS09A	Total/NA	Water	200.8	840250
460-256454-16	W-304-TL-10A	Total/NA	Water	200.8	840250
460-256454-18	CHA1-4	Total/NA	Water	200.8	840250
460-256454-19	H-334-NS-01A	Total/NA	Water	200.8	840250
460-256454-21	H-334-TL-02A	Total/NA	Water	200.8	840250
460-256454-23	H-334-DW-03A	Total/NA	Water	200.8	840250
460-256454-25	H-334-DW-04A	Total/NA	Water	200.8	840250
460-256454-27	H-334-KS-05A	Total/NA	Water	200.8	840250
460-256454-29	W-304-NS-01A	Total/NA	Water	200.8	840250
460-256454-31	G-27-KS-01A	Total/NA	Water	200.8	840250
460-256454-33	G-304-NS-01A	Total/NA	Water	200.8	840250
460-256454-35	S-492-DW-01A	Total/NA	Water	200.8	840250
460-256454-37	S-492-IM-02A	Total/NA	Water	200.8	840250
460-256454-38	S-492-KS-03A	Total/NA	Water	200.8	840250
460-256454-40	S-492-DW-04A	Total/NA	Water	200.8	840250
460-256454-42	S-492-NS-05A	Total/NA	Water	200.8	840250
460-256454-44	S-492-TL-06A	Total/NA	Water	200.8	840250
460-256454-46	S-492-DW-07A	Total/NA	Water	200.8	840250
460-256454-48	CHA1-5	Total/NA	Water	200.8	840250
460-256454-51	H-DC-DW-01A	Total/NA	Water	200.8	840300
460-256454-53	H-DC-KS-03A	Total/NA	Water	200.8	840300
460-256454-55	H-AEB-TL-01A	Total/NA	Water	200.8	840300
460-256454-57	H-AEB-TL-03A	Total/NA	Water	200.8	840300
460-256454-59	H-AEB-TL-04A	Total/NA	Water	200.8	840300
460-256454-61	H-AEB-TL-05A	Total/NA	Water	200.8	840300
460-256454-63	H-ENV-DW-02A	Total/NA	Water	200.8	840300
MB 460-840234/1-A	Method Blank	Total/NA	Water	200.8	840234
MB 460-840250/1-A	Method Blank	Total/NA	Water	200.8	840250
MB 460-840300/1-A	Method Blank	Total/NA	Water	200.8	840300
LCS 460-840234/2-A	Lab Control Sample	Total/NA	Water	200.8	840234
LCS 460-840250/2-A	Lab Control Sample	Total/NA	Water	200.8	840250
LCS 460-840300/2-A	Lab Control Sample	Total/NA	Water	200.8	840300

Metals (Continued)

Analysis Batch: 840247 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256454-10 MS	W-304-KS-06A	Total/NA	Water	200.8	840234
460-256454-16 MS	W-304-TL-10A	Total/NA	Water	200.8	840250
460-256454-27 MS	H-334-KS-05A	Total/NA	Water	200.8	840250
460-256454-16 DU	W-304-TL-10A	Total/NA	Water	200.8	840250
460-256454-27 DU	H-334-KS-05A	Total/NA	Water	200.8	840250

Prep Batch: 840250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256454-12	W-304-DW-07A	Total/NA	Water	200	
460-256454-14	W-304-NS09A	Total/NA	Water	200	
460-256454-16	W-304-TL-10A	Total/NA	Water	200	
460-256454-18	CHA1-4	Total/NA	Water	200	
460-256454-19	H-334-NS-01A	Total/NA	Water	200	
460-256454-21	H-334-TL-02A	Total/NA	Water	200	
460-256454-23	H-334-DW-03A	Total/NA	Water	200	
460-256454-25	H-334-DW-04A	Total/NA	Water	200	
460-256454-27	H-334-KS-05A	Total/NA	Water	200	
460-256454-29	W-304-NS-01A	Total/NA	Water	200	
460-256454-31	G-27-KS-01A	Total/NA	Water	200	
460-256454-33	G-304-NS-01A	Total/NA	Water	200	
460-256454-35	S-492-DW-01A	Total/NA	Water	200	
460-256454-37	S-492-IM-02A	Total/NA	Water	200	
460-256454-38	S-492-KS-03A	Total/NA	Water	200	
460-256454-40	S-492-DW-04A	Total/NA	Water	200	
460-256454-42	S-492-NS-05A	Total/NA	Water	200	
460-256454-44	S-492-TL-06A	Total/NA	Water	200	
460-256454-46	S-492-DW-07A	Total/NA	Water	200	
460-256454-48	CHA1-5	Total/NA	Water	200	
MB 460-840250/1-A	Method Blank	Total/NA	Water	200	
LCS 460-840250/2-A	Lab Control Sample	Total/NA	Water	200	
460-256454-16 MS	W-304-TL-10A	Total/NA	Water	200	
460-256454-27 MS	H-334-KS-05A	Total/NA	Water	200	
460-256454-16 DU	W-304-TL-10A	Total/NA	Water	200	
460-256454-27 DU	H-334-KS-05A	Total/NA	Water	200	

Prep Batch: 840300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256454-51	H-DC-DW-01A	Total/NA	Water	200	
460-256454-53	H-DC-KS-03A	Total/NA	Water	200	
460-256454-55	H-AEB-TL-01A	Total/NA	Water	200	
460-256454-57	H-AEB-TL-03A	Total/NA	Water	200	
460-256454-59	H-AEB-TL-04A	Total/NA	Water	200	
460-256454-61	H-AEB-TL-05A	Total/NA	Water	200	
460-256454-63	H-ENV-DW-02A	Total/NA	Water	200	
MB 460-840300/1-A	Method Blank	Total/NA	Water	200	
LCS 460-840300/2-A	Lab Control Sample	Total/NA	Water	200	

Lab Chronicle

Client: CHA Inc
Job ID: 460-256454-1
Project/Site: Bergen County School District - Special

Client Sample ID: W-304-KS-02A
Lab Sample ID: 460-256454-1
Date Collected: 04/14/22 06:50
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:44	YZH	TAL EDI

Client Sample ID: W-304-KS-03A
Lab Sample ID: 460-256454-3
Date Collected: 04/14/22 06:52
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:47	YZH	TAL EDI

Client Sample ID: W-304-DW-04A
Lab Sample ID: 460-256454-5
Date Collected: 04/14/22 06:57
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:49	YZH	TAL EDI

Client Sample ID: W-304-DW-05A
Lab Sample ID: 460-256454-7
Date Collected: 04/14/22 06:59
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:51	YZH	TAL EDI

Client Sample ID: W-304-CM-11A
Lab Sample ID: 460-256454-9
Date Collected: 04/14/22 07:47
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:54	YZH	TAL EDI

Client Sample ID: W-304-KS-06A
Lab Sample ID: 460-256454-10
Date Collected: 04/14/22 07:04
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:56	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Job ID: 460-256454-1
Project/Site: Bergen County School District - Special

Client Sample ID: W-304-DW-07A
Lab Sample ID: 460-256454-12
Date Collected: 04/14/22 07:11
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 16:11	YZH	TAL EDI

Client Sample ID: W-304-NS09A
Lab Sample ID: 460-256454-14
Date Collected: 04/14/22 07:16
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 16:13	YZH	TAL EDI

Client Sample ID: W-304-TL-10A
Lab Sample ID: 460-256454-16
Date Collected: 04/14/22 07:20
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 16:04	YZH	TAL EDI

Client Sample ID: CHA1-4
Lab Sample ID: 460-256454-18
Date Collected: 04/14/22 07:18
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 16:20	YZH	TAL EDI

Client Sample ID: H-334-NS-01A
Lab Sample ID: 460-256454-19
Date Collected: 04/14/22 11:30
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 16:23	YZH	TAL EDI

Client Sample ID: H-334-TL-02A
Lab Sample ID: 460-256454-21
Date Collected: 04/14/22 11:50
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 16:25	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Job ID: 460-256454-1
Project/Site: Bergen County School District - Special

Client Sample ID: H-334-DW-03A
Lab Sample ID: 460-256454-23
Date Collected: 04/14/22 11:56
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 16:27	YZH	TAL EDI

Client Sample ID: H-334-DW-04A
Lab Sample ID: 460-256454-25
Date Collected: 04/14/22 11:59
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 16:30	YZH	TAL EDI

Client Sample ID: H-334-KS-05A
Lab Sample ID: 460-256454-27
Date Collected: 04/14/22 11:40
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 16:34	YZH	TAL EDI

Client Sample ID: W-304-NS-01A
Lab Sample ID: 460-256454-29
Date Collected: 04/14/22 06:40
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 16:46	YZH	TAL EDI

Client Sample ID: G-27-KS-01A
Lab Sample ID: 460-256454-31
Date Collected: 04/14/22 08:34
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 16:48	YZH	TAL EDI

Client Sample ID: G-304-NS-01A
Lab Sample ID: 460-256454-33
Date Collected: 04/14/22 09:21
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 16:51	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Job ID: 460-256454-1
Project/Site: Bergen County School District - Special

Client Sample ID: S-492-DW-01A
Lab Sample ID: 460-256454-35
Date Collected: 04/14/22 10:13
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 16:53	YZH	TAL EDI

Client Sample ID: S-492-IM-02A
Lab Sample ID: 460-256454-37
Date Collected: 04/14/22 10:21
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 16:55	YZH	TAL EDI

Client Sample ID: S-492-KS-03A
Lab Sample ID: 460-256454-38
Date Collected: 04/14/22 10:21
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 16:58	YZH	TAL EDI

Client Sample ID: S-492-DW-04A
Lab Sample ID: 460-256454-40
Date Collected: 04/14/22 10:26
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 17:00	YZH	TAL EDI

Client Sample ID: S-492-NS-05A
Lab Sample ID: 460-256454-42
Date Collected: 04/14/22 10:41
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 17:02	YZH	TAL EDI

Client Sample ID: S-492-TL-06A
Lab Sample ID: 460-256454-44
Date Collected: 04/14/22 10:47
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 17:05	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Job ID: 460-256454-1
Project/Site: Bergen County School District - Special

Client Sample ID: S-492-DW-07A
Lab Sample ID: 460-256454-46
Date Collected: 04/14/22 10:53
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 15:51	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 17:11	YZH	TAL EDI

Client Sample ID: CHA1-5
Lab Sample ID: 460-256454-48
Date Collected: 04/14/22 11:33
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840250	04/20/22 14:38	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 17:14	YZH	TAL EDI

Client Sample ID: H-DC-DW-01A
Lab Sample ID: 460-256454-51
Date Collected: 04/14/22 07:00
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840300	04/20/22 18:08	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 18:50	YZH	TAL EDI

Client Sample ID: H-DC-KS-03A
Lab Sample ID: 460-256454-53
Date Collected: 04/14/22 07:05
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840300	04/20/22 18:08	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 18:52	YZH	TAL EDI

Client Sample ID: H-AEB-TL-01A
Lab Sample ID: 460-256454-55
Date Collected: 04/14/22 07:20
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840300	04/20/22 18:08	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 18:55	YZH	TAL EDI

Client Sample ID: H-AEB-TL-03A
Lab Sample ID: 460-256454-57
Date Collected: 04/14/22 07:25
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840300	04/20/22 18:08	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 19:01	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Job ID: 460-256454-1
Project/Site: Bergen County School District - Special

Client Sample ID: H-AEB-TL-04A
Lab Sample ID: 460-256454-59
Date Collected: 04/14/22 07:30
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840300	04/20/22 18:08	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 19:04	YZH	TAL EDI

Client Sample ID: H-AEB-TL-05A
Lab Sample ID: 460-256454-61
Date Collected: 04/14/22 07:35
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840300	04/20/22 18:08	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 19:06	YZH	TAL EDI

Client Sample ID: H-ENV-DW-02A
Lab Sample ID: 460-256454-63
Date Collected: 04/14/22 07:40
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840300	04/20/22 18:08	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 19:09	YZH	TAL EDI

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: CHA Inc
Job ID: 460-256454-1
Project/Site: Bergen County School District - Special

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-23

Method Summary

Client: CHA Inc
Job ID: 460-256454-1
Project/Site: Bergen County School District - Special

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL EDI
200	Preparation, Metals	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: CHA Inc
Job ID: 460-256454-1
Project/Site: Bergen County School District - Special

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-256454-1	W-304-KS-02A	Water	04/14/22 06:50	04/15/22 10:10
460-256454-3	W-304-KS-03A	Water	04/14/22 06:52	04/15/22 10:10
460-256454-5	W-304-DW-04A	Water	04/14/22 06:57	04/15/22 10:10
460-256454-7	W-304-DW-05A	Water	04/14/22 06:59	04/15/22 10:10
460-256454-9	W-304-CM-11A	Water	04/14/22 07:47	04/15/22 10:10
460-256454-10	W-304-KS-06A	Water	04/14/22 07:04	04/15/22 10:10
460-256454-12	W-304-DW-07A	Water	04/14/22 07:11	04/15/22 10:10
460-256454-14	W-304-NS09A	Water	04/14/22 07:16	04/15/22 10:10
460-256454-16	W-304-TL-10A	Water	04/14/22 07:20	04/15/22 10:10
460-256454-18	CHA1-4	Water	04/14/22 07:18	04/15/22 10:10
460-256454-19	H-334-NS-01A	Water	04/14/22 11:30	04/15/22 10:10
460-256454-21	H-334-TL-02A	Water	04/14/22 11:50	04/15/22 10:10
460-256454-23	H-334-DW-03A	Water	04/14/22 11:56	04/15/22 10:10
460-256454-25	H-334-DW-04A	Water	04/14/22 11:59	04/15/22 10:10
460-256454-27	H-334-KS-05A	Water	04/14/22 11:40	04/15/22 10:10
460-256454-29	W-304-NS-01A	Water	04/14/22 06:40	04/15/22 10:10
460-256454-31	G-27-KS-01A	Water	04/14/22 08:34	04/15/22 10:10
460-256454-33	G-304-NS-01A	Water	04/14/22 09:21	04/15/22 10:10
460-256454-35	S-492-DW-01A	Water	04/14/22 10:13	04/15/22 10:10
460-256454-37	S-492-IM-02A	Water	04/14/22 10:21	04/15/22 10:10
460-256454-38	S-492-KS-03A	Water	04/14/22 10:21	04/15/22 10:10
460-256454-40	S-492-DW-04A	Water	04/14/22 10:26	04/15/22 10:10
460-256454-42	S-492-NS-05A	Water	04/14/22 10:41	04/15/22 10:10
460-256454-44	S-492-TL-06A	Water	04/14/22 10:47	04/15/22 10:10
460-256454-46	S-492-DW-07A	Water	04/14/22 10:53	04/15/22 10:10
460-256454-48	CHA1-5	Water	04/14/22 11:33	04/15/22 10:10
460-256454-51	H-DC-DW-01A	Water	04/14/22 07:00	04/15/22 10:10
460-256454-53	H-DC-KS-03A	Water	04/14/22 07:05	04/15/22 10:10
460-256454-55	H-AEB-TL-01A	Water	04/14/22 07:20	04/15/22 10:10
460-256454-57	H-AEB-TL-03A	Water	04/14/22 07:25	04/15/22 10:10
460-256454-59	H-AEB-TL-04A	Water	04/14/22 07:30	04/15/22 10:10
460-256454-61	H-AEB-TL-05A	Water	04/14/22 07:35	04/15/22 10:10
460-256454-63	H-ENV-DW-02A	Water	04/14/22 07:40	04/15/22 10:10

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler:	Lab PM: Callahan, April R	Carrier Tracking No(s):	COC No: 460-154433-100038.25
Client Contact: Ms. Carrie Robinson	Phone:	E-Mail: April.Callahan@et.eurofinsus.com	State of Origin:	Page: Page 26 of 26 1 of 6
Company: CHA Inc	PWSID:			Job #: 256454
Address: III Winners Circle PO BOX 5269	Due Date Requested:			
City: Albany	TAT Requested (days): - 5 Day TAT. First Draw (A) Samples, Flush samples (B) analyzed upon request 10 Day TAT			
State, Zip: NY, 12205-0269	Compliance Project: Δ Yes Δ No			
Phone: 518-453-8703(Tel)	PO #: Purchase Order not required			
Email: crobinson@chacompanies.com	WO #:			
Project Name: Bergen County School District - Special	Project #: 46037606 31521, 10074			
Site:	SSOW#:			

Analysis Requested

5-Day RUSH

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	MS/MSD (Yes or No)	300.0	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
W-304-KS-02A	4-14-22	06:50	G	Water			✓		1
W-304-KS-02B		06:50		Water				H	2
W-304-KS-03A		06:52		Water					3
W-304-KS-03B		06:52		Water				H	4
W-304-DW-04A		06:57		Water					5
W-304-DW-04B		06:57		Water				H	6
W-304-DW-05A		06:59		Water					7
W-304-DW-05B		06:59		Water				H	8
W-304-CM-11A		07:47		Water					9
~~W-304-CM-11B~~ SC		~~07:47~~		Water				~~H~~ SC	-
W-304-KS-06A		07:04		Water					10

460-256454 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Scott Rose	4-14-22 / 1620		FedEx	4/15/22 10:10	ER
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: ID#9-3.1=3.3/0.9=1.1/3.5=3.7

5/18/2022

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rose Gould	Lab PM: Callahan, April R	Carrier Tracking No(s):	COC No: 460-154433-100038.26
Client Contact: Ms. Carrie Robinson	Phone:	E-Mail: April.Callahan@et.eurofinsus.com	State of Origin:	Page: Page ~~26 of 26~~ 2 of 6
Company: CHA Inc	PWSID:			Job #: 256454
Address: III Winners Circle PO BOX 5269	Due Date Requested:			
City: Albany	TAT Requested (days):			
State, Zip: NY, 12205-0269	Compliance Project: Δ Yes Δ No			
Phone: 518-453-8703(Tel)	PO #: Purchase Order not required			
Email: crobinson@chacompanies.com	WO #:			
Project Name: Bergen County School District - Special	Project #: 46037606 31521.1004			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	537.0	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
W-304-KS-06B	4-14-22	07:04	G	Water			✓		H 11
W-304-DW-07A	↓	07:11	↓	Water			↓		12
W-304-DW-07B	↓		↓	Water			↓		H 13
~~W-304-DW-08A~~				Water					—
~~W-304-DW-08B~~ SR				Water					—
W-304-NS-09A	4-14-22	07:16	G	Water					14
W-304-NS-09B	↓	07:16	↓	Water					H 15
W-304-TL-10A /MS/MSD	↓	07:20	↓	Water					16
W-304-TL-10B	↓	07:20	↓	Water					H 17
CHA1-4	↓	07:18	↓	Water			↓		18

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	4-14-22/1626		[signature]/FedEx	4/15/22 10:10	ER
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: ~~ID~~#9 - 3.1=3.3/0.9=1.1/3.5=3.7

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rosenans	Lab PM: Callahan, April R	Carrier Tracking No(s):	COC No: 460-154433-100038.23
Client Contact: Ms. Carrie Robinson	Phone:	E-Mail: April.Callahan@et.eurofinsus.com	State of Origin:	Page: Page ~~28~~ of ~~28~~ 30f6
Company: CHA Inc	PWSID:			Job #: 256454
Address: III Winners Circle PO BOX 5269	Due Date Requested:			
City: Albany	TAT Requested (days):			
State, Zip: NY, 12205-0269	Compliance Project: Δ Yes Δ No			
Phone: 518-453-8703(Tel)	PO #: Purchase Order not required			
Email: crobinson@chacompanies.com	WO #:			
Project Name: Bergen County School District - Special	Project #: 46037606 31521.1004			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300.0	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
P-296-TL-37B				Water					
P-327-KS-01A				Water					
P-327-KS-01B				Water					
P-327-KS-02A				Water					
P-327-KS-02B				Water					
P-327-MW-03A				Water					
P-327-DW-04A				Water					
P-327-DW-04B				Water					
P-321-KS-01A JR				Water					
P-321-KS-01B				Water					
H-334-NS-01A	4-14-22	~~0840~~ 1130	G	Water			✓		19

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	4-14-22/1620		[signature]/FedEX	4/15/22 10:10	ER
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: ~~ID~~ #9-3.1=3.3/0.9=1.1/3.5=3.7

5/18/2022

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rozreens	Lab PM: Callahan, April R	Carrier Tracking No(s):	COC No: 460-154433-100038.24
Client Contact: Ms. Carrie Robinson	Phone:	E-Mail: April.Callahan@et.eurofinsus.com	State of Origin:	Page: Page 2~~4~~ of 2~~8~~ 4 of 6
Company: CHA Inc	PWSID:			Job #: 256454
Address: III Winners Circle PO BOX 5269	Due Date Requested:			
City: Albany	TAT Requested (days):			
State, Zip: NY, 12205-0269	Compliance Project: Δ Yes Δ No			
Phone: 518-453-8703(Tel)	PO #: Purchase Order not required			
Email: crobinson@chacompanies.com	WO #:			
Project Name: Bergen County School District - Special	Project #: 46037606 31521.1004			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
H-334-NS-01B	4-14-22	~~0840~~ 1130	G	Water			✓		H 20
~~H-334-DW-02A~~ SR H-334-TL-02A		1150		Water					21
H-~~334-DW-02B~~ SR H-334-TL-02B		1150		Water					H 22
H-334-DW-03A		1156		Water					23
H-334-DW-03B		1156		Water					H 24
H-334-DW-04A		1159		Water					25
H-334-DW-04B		1159		Water					H 26
H-334-KS-05A MS/MSD		1140		Water		✓			27
H-334-KS-05B ~~MS/MSD~~ SR	↓	1140	↓	Water		↓	↓		H 28
W-304-NS-01A	4-14-22	0640	G	Water			✓		29
W-304-NS-01B	↓	0640	↓	Water			✓		H 30

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	4-14-22 1620		G Fed/FedEX	4/15/22 10:10	ER
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: ~~ID~~ #9 - 3.1 = 3.3 / 0.9 = 1.1 / 3.5 = 3.7

Chain of Custody Record

636361

eurofins | Environment Testing America

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Carrie Robinson	Site Contact:	Date:	COC No:
Company Name: CHA Consulting Inc	Tel/Email:	Lab Contact:	Carrier:	5 of 6 COCs
Address: 111 Winners Circle	Analysis Turnaround Time			Sampler:
City/State/Zip: Albany NY 12205	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 518-453-4500	TAT if different from Below _____			Walk-in Client:
Fax: —	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name: Bergen County School District				Job / SDG No.: 256454
Site:				
PO # 31521.1004				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	200.8	Sample Specific Notes:
G-27-KS-01A	4-14-22	08:34	G	Water	1			✓	31
G-27-KS-01B	↓	"	↓	↓	1			↓	Hold 32
G-304-NS-01A		09:21			1				33
G-304-NS-01B		"			1				Hold *Analyze A sample 34
S-492-DW-01A		10:13			1				5 Day TAT 35
S-492-DW-01B		"			1				Hold *Flush Samples (B) 36
S-492-IM-02A		10:21			1				analyzed on request 37
S-492-KS-03A		10:26			1				10 Day TAT 38
S-492-KS-03B		10:26			1				Hold 39
S-492-DW-04A		10:36			1				40
S-492-DW-04B	↓	10:36	↓	↓	1			↓	Hold 41

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

ID#9 - 3.1=3.3/0.9=1.1/3.5=3.7

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____		
Relinquished by:	Company: CHA	Date/Time: 4-14-22/1640	Received by: FedEX	Company: ER	Date/Time: 4/15/22 10:10
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record

636362

eurofins | Environment Testing America

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Carrie Robinson	Site Contact: Reservoir	Date:	COC No:
Company Name: CHA Consulting	Tel/Email: 518-453-4500	Lab Contact:	Carrier:	6 of 6 COCs
Address: III Winners Circle	Analysis Turnaround Time			Sampler:
City/State/Zip: Albany NY 12205	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 518-453-4500	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Bergen County School District	☐ 1 week			Job / SDG No.: 256454
Site:	☐ 2 days			
P O # 31521-1004	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	200.8	Sample Specific Notes:
S-492-NS-05A	4/14/22	10:41	G	Water	1			✓	42
S-492-NS-05B		10:41							Hold 43
S-492-TL-06A		10:47							44
S-492-TL-06B		10:47							Hold 45
S-492-DW-07A		10:53							46
S-492-DW-07B		10:53							Hold 47
CHA 1-5		1133							48
Temp Blank	NA	→	→		1				49
Temp Blank	NA	→	→		1				50

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

IP#9-3.1=3.3/0.9=1.1/3.5=3.7

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____			
Relinquished by:	Company: CHA	Date/Time: 4.14.22/1620	Received by: ~~OTD~~/FedEX	Company: ER	Date/Time: 4/15/22 10:10
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 256454

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.1 °C	3.3 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	0.9 °C	1.1 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	3.5 °C	3.7 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2											
2				<2											
3				<2											
4				<2											
5				<2											
6				<2											
7				<2											
8				<2											
9				<2											
10				<2											
11				<2											
12				<2											
13				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

**Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: F.T **Date:** 4/15/22

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 256454

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.1 °C	3.3 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	0.9 °C	1.1 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	3.5 °C	3.7 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
14				<2											
15				<2											
16				<2											
17				<2											
18				<2											
19				<2											
20				<2											
21				<2											
22				<2											
23				<2											
24				<2											
25				<2											
26				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

**Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: AC **Date:** 04/16/22

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 256453

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.1 ℃	3.3 ℃	Cooler #4:	℃	℃	Cooler #7:	℃	℃
Cooler #2:	0.9 ℃	1.1 ℃	Cooler #5:	℃	℃	Cooler #8:	℃	℃
Cooler #3:	3.5 ℃	3.7 ℃	Cooler #6:	℃	℃	Cooler #9:	℃	℃

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
27				<2											
28				<2											
29				<2											
30				<2											
31				<2											
32				<2											
33				<2											
34				<2											
35				<2											
36				<2											
37				<2											
38				<2											
39				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

*Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

EDS-WI-038, Rev 4.1
10/22/2019

Initials: AC Date: 4/16/22

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 256454

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.1 ℃	3.3 ℃	Cooler #4:	℃	℃	Cooler #7:	℃	℃
Cooler #2:	0.9 ℃	1.1 ℃	Cooler #5:	℃	℃	Cooler #8:	℃	℃
Cooler #3:	3.5 ℃	3.7 ℃	Cooler #6:	℃	℃	Cooler #9:	℃	℃

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
40				<2											
41				<2											
42				<2											
43				<2											
44				<2											
45				<2											
46				<2											
47				<2											
48				<2											
~~49~~				<2											
~~50~~				<2											
51				<2											
52				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: AC Date: 4/16/22

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 256454

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.1 ℃	3.3 ℃	Cooler #4:	℃	℃	Cooler #7:	℃	℃
Cooler #2:	0.9 ℃	1.1 ℃	Cooler #5:	℃	℃	Cooler #8:	℃	℃
Cooler #3:	3.5 ℃	3.7 ℃	Cooler #6:	℃	℃	Cooler #9:	℃	℃

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
53				<2											
54				<2											
55				<2											
56				<2											
57				<2											
58				<2											
59				<2											
60				<2											
61				<2											
62				<2											
63				<2											
64				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: AC **Date:** 4/16/22

Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 460-256454-1

Login Number: 256454
List Number: 1
Creator: Casallas, Angela C

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Refer to Job Narrative for details.
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	Refer to Job Narrative for details.
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

LABORATORY REPORTS

Small Animal Care

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-256239-1
Client Project/Site: Bergen County School District - Technical

For:
CHA Inc
III Winners Circle
PO BOX 5269
Albany, New York 12205-0269

Attn: Ms. Carrie Robinson

Authorized for release by:
5/16/2022 12:40:56 PM

April Callahan, Project Manager
(732)549-3900
April.Callahan@et.eurofinsus.com

Table of Contents

Definitions/Glossary

Client: CHA Inc
Job ID: 460-256239-1
Project/Site: Bergen County School District - Technical

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-256239-1

Laboratory: Eurofins Edison

Narrative

CASE NARRATIVE

Client: CHA Inc

Project: Bergen County School District - Technical

Report Number: 460-256239-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 4/12/2022 4:21 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.3º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

Receipt Exceptions

Remaining holds were canceled on 5/16.

TOTAL METALS

Samples P-SAC-KS-02A (460-256239-1) and CHA-2 (460-256239-3) were analyzed for total metals in accordance with EPA Method 200.8 (ICP/MS). The samples were prepared and analyzed on 04/18/2022.

As a standard practice all non-potable samples and related QC samples (i.e., MB, LCS, Dup, MS, SD) are diluted 5X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: CHA Inc
Job ID: 460-256239-1
Project/Site: Bergen County School District - Technical

Client Sample ID: P-SAC-KS-02A
Lab Sample ID: 460-256239-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.20		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: CHA-2
Lab Sample ID: 460-256239-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.22		2.00	0.11	ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: CHA Inc
Job ID: 460-256239-1
Project/Site: Bergen County School District - Technical

Client Sample ID: P-SAC-KS-02A
Lab Sample ID: 460-256239-1
Date Collected: 04/12/22 13:50
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.20		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 15:13	1

Client Sample ID: CHA-2
Lab Sample ID: 460-256239-3
Date Collected: 04/12/22 14:50
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.22		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 15:20	1

QC Sample Results

Client: CHA Inc
Job ID: 460-256239-1
Project/Site: Bergen County School District - Technical

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 460-839796/1-A
Matrix: Water
Analysis Batch: 839824

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 839796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 15:07	1

Lab Sample ID: LCS 460-839796/2-A
Matrix: Water
Analysis Batch: 839824

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 839796

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			5.00	4.63		ug/L		93	85 - 115		

Lab Sample ID: 460-256239-1 MS
Matrix: Water
Analysis Batch: 839824

Client Sample ID: P-SAC-KS-02A
Prep Type: Total/NA
Prep Batch: 839796

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead	0.20		5.00	4.60		ug/L		88	70 - 130		

Lab Sample ID: 460-256239-1 DU
Matrix: Water
Analysis Batch: 839824

Client Sample ID: P-SAC-KS-02A
Prep Type: Total/NA
Prep Batch: 839796

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	0.20			0.21		ug/L				2	20

QC Association Summary

Client: CHA Inc
Job ID: 460-256239-1
Project/Site: Bergen County School District - Technical

Metals

Prep Batch: 839796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256239-1	P-SAC-KS-02A	Total/NA	Water	200	
460-256239-3	CHA-2	Total/NA	Water	200	
MB 460-839796/1-A	Method Blank	Total/NA	Water	200	
LCS 460-839796/2-A	Lab Control Sample	Total/NA	Water	200	
460-256239-1 MS	P-SAC-KS-02A	Total/NA	Water	200	
460-256239-1 DU	P-SAC-KS-02A	Total/NA	Water	200	

Analysis Batch: 839824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256239-1	P-SAC-KS-02A	Total/NA	Water	200.8	839796
460-256239-3	CHA-2	Total/NA	Water	200.8	839796
MB 460-839796/1-A	Method Blank	Total/NA	Water	200.8	839796
LCS 460-839796/2-A	Lab Control Sample	Total/NA	Water	200.8	839796
460-256239-1 MS	P-SAC-KS-02A	Total/NA	Water	200.8	839796
460-256239-1 DU	P-SAC-KS-02A	Total/NA	Water	200.8	839796

Lab Chronicle

Client: CHA Inc
Job ID: 460-256239-1
Project/Site: Bergen County School District - Technical

Client Sample ID: P-SAC-KS-02A
Lab Sample ID: 460-256239-1

Date Collected: 04/12/22 13:50
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:07	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 15:13	YZH	TAL EDI

Client Sample ID: CHA-2
Lab Sample ID: 460-256239-3

Date Collected: 04/12/22 14:50
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:07	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 15:20	YZH	TAL EDI

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: CHA Inc
Job ID: 460-256239-1
Project/Site: Bergen County School District - Technical

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-23

Method Summary

Client: CHA Inc
Job ID: 460-256239-1
Project/Site: Bergen County School District - Technical

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL EDI
200	Preparation, Metals	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: CHA Inc
Job ID: 460-256239-1
Project/Site: Bergen County School District - Technical

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-256239-1	P-SAC-KS-02A	Water	04/12/22 13:50	04/12/22 16:21
460-256239-3	CHA-2	Water	04/12/22 14:50	04/12/22 16:21

Eurofins TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: C HURLBURT	Lab PM: April Callahan	Carrier Tracking No(s):	COC No:
Client Contact: Seth Fowler/Carrie Robinson	Phone: 203.823.1800	E-Mail:		Page: 1 OF 1
Company: CHA				Job #: 31521.2004 256239
Address: 3 Winners Circle	Due Date Requested:			Preservation Codes:
City: Albany	TAT Requested (days): First Draw Samples (A) - 5 day TAT; Flush Samples (B) analyzed only on request at 10 day TAT			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3
State, Zip: NY	PO #: 31521			
Phone: 12205	WO #:			
Email: sfowler@chacompanies.com; crobinson@chacompanies.com	Project #:			
Project Name: Bergen County Special Services District	SSOW#:			
Site:				

Analysis Requested

5-Day RUSH

460-256239 Chain of Custody

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Pb	Total Number of	Special Instructions/Note:
			Preservation Code:						
P-SAC-KS-02A	4.12.22	13:50	G	W			X	1	1
P-SAC-KS-02B	↓	13:50	↓	↓			↓	2	H 2
MS-2A		13:50						1	1
MSD-2A		13:50						1	1
CHA-2	↓	14:50	↓	↓			↓	3	3

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Hold all samples ending with "B" until direction from CHA**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4.12.22 15:00	CHA	TA C	04/12/22	15:07 TAEDI
2	NO TK	04/12/22 16:21			4/12/22 1621	
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.: 2-1-2-3	Cooler Temperature(s) °C and Other Remarks:

5/16/2022

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 256239

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.2 °C	2.3 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2											
2				<2											
3				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ **Date:** 04/12

Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 460-256239-1

Login Number: 256239
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

LABORATORY REPORTS

EMS

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-256241-1
Client Project/Site: Bergen County School District - Technical

For:
CHA Inc
III Winners Circle
PO BOX 5269
Albany, New York 12205-0269

Attn: Ms. Carrie Robinson

Authorized for release by:
5/16/2022 12:51:42 PM

April Callahan, Project Manager
(732)549-3900
April.Callahan@et.eurofinsus.com

Table of Contents

Definitions/Glossary

Client: CHA Inc
Job ID: 460-256241-1
Project/Site: Bergen County School District - Technical

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-256241-1

Laboratory: Eurofins Edison

Narrative

CASE NARRATIVE

Client: CHA Inc

Project: Bergen County School District - Technical

Report Number: 460-256241-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 4/12/2022 4:21 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.3º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

Receipt Exceptions

Remaining holds were canceled on 5/16.

TOTAL METALS

Samples P-281-DW-01A (460-256241-1) and P-281-DW-02A (460-256241-3) were analyzed for total metals in accordance with EPA Method 200.8 (ICP/MS). The samples were prepared and analyzed on 04/18/2022.

As a standard practice all non-potable samples and related QC samples (i.e., MB, LCS, Dup, MS, SD) are diluted 5X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: CHA Inc
Job ID: 460-256241-1
Project/Site: Bergen County School District - Technical

Client Sample ID: P-281-DW-01A
Lab Sample ID: 460-256241-1

No Detections.

Client Sample ID: P-281-DW-02A
Lab Sample ID: 460-256241-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.06		2.00	0.11	ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: CHA Inc
Job ID: 460-256241-1
Project/Site: Bergen County School District - Technical

Client Sample ID: P-281-DW-01A
Lab Sample ID: 460-256241-1
Date Collected: 04/12/22 11:15
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 15:23	1

Client Sample ID: P-281-DW-02A
Lab Sample ID: 460-256241-3
Date Collected: 04/12/22 11:20
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.06		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 15:25	1

QC Sample Results

Client: CHA Inc
Job ID: 460-256241-1
Project/Site: Bergen County School District - Technical

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 460-839796/1-A
Matrix: Water
Analysis Batch: 839824

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 839796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 15:07	1

Lab Sample ID: LCS 460-839796/2-A
Matrix: Water
Analysis Batch: 839824

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 839796

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			5.00	4.63		ug/L		93	85 - 115		

QC Association Summary

Client: CHA Inc
Job ID: 460-256241-1
Project/Site: Bergen County School District - Technical

Metals

Prep Batch: 839796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256241-1	P-281-DW-01A	Total/NA	Water	200	
460-256241-3	P-281-DW-02A	Total/NA	Water	200	
MB 460-839796/1-A	Method Blank	Total/NA	Water	200	
LCS 460-839796/2-A	Lab Control Sample	Total/NA	Water	200	

Analysis Batch: 839824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256241-1	P-281-DW-01A	Total/NA	Water	200.8	839796
460-256241-3	P-281-DW-02A	Total/NA	Water	200.8	839796
MB 460-839796/1-A	Method Blank	Total/NA	Water	200.8	839796
LCS 460-839796/2-A	Lab Control Sample	Total/NA	Water	200.8	839796

Lab Chronicle

Client: CHA Inc
Job ID: 460-256241-1
Project/Site: Bergen County School District - Technical

Client Sample ID: P-281-DW-01A
Lab Sample ID: 460-256241-1
Date Collected: 04/12/22 11:15
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:07	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 15:23	YZH	TAL EDI

Client Sample ID: P-281-DW-02A
Lab Sample ID: 460-256241-3
Date Collected: 04/12/22 11:20
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:07	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 15:25	YZH	TAL EDI

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: CHA Inc
Job ID: 460-256241-1
Project/Site: Bergen County School District - Technical

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-23

Method Summary

Client: CHA Inc
Job ID: 460-256241-1
Project/Site: Bergen County School District - Technical

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL EDI
200	Preparation, Metals	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: CHA Inc
Job ID: 460-256241-1
Project/Site: Bergen County School District - Technical

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-256241-1	P-281-DW-01A	Water	04/12/22 11:15	04/12/22 16:21
460-256241-3	P-281-DW-02A	Water	04/12/22 11:20	04/12/22 16:21

Eurofins TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: C. HURLBURT	Lab PM: April Callahan	Carrier Tracking No(s):	COC No:
Client Contact: Seth Fowler/Carrie Robinson	Phone: 203.823.1800	E-Mail:		Page: 1 OF 1
Company: CHA				Job #: 31521.2004 [25624]
Address: 3 Winners Circle	Due Date Requested:			Preservation Codes:
City: Albany	TAT Requested (days): First Draw Samples (A) - 5 day TAT; Flush Samples (B) analyzed only on request at 10 day TAT			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - ph 4-5; Z - other (specify)
State, Zip: NY				
Phone: 12205	PO #: 31521			
Email: sfowler@chacompanies.com; crobinson@chacompanies.com	WO #:			
Project Name: Bergen County Special Services District	Project #:			
Site:	SSOW#:			

Analysis Requested

460-256241 Chain of Custody

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Pb	# of containers	Special Instructions/Note:
			Preservation Code:						
P-281-DW-01A	4.12.22	11:15	G	W			X	1	1
P-281-DW-01B	↓	11:15	↓	↓			↓	2	H 2
P-281-DW-02A		11:20							3
P-281-DW-02B	↓	11:20	↓	↓			↓	↓	H 4

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements: **Hold all samples ending with "B" until direction from CHA**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4.12.22 15:00	CHA		4/12	TAL
2		04/12/22 16:21			4/12/22 1621	TAL
3		Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		2.1 - 2.3

Page 13 of 15

5/16/2022

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 236241

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.1 °C	2.3 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				✓2											
2				✓2											
3				✓2											
4				✓2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ Date: 04/12

Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 460-256241-1

Login Number: 256241
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

LABORATORY REPORTS

Haz-Mat Building

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ANALYTICAL REPORT

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-256244-1
Client Project/Site: Bergen County School District - Technical

For:
CHA Inc
III Winners Circle
PO BOX 5269
Albany, New York 12205-0269

Attn: Ms. Carrie Robinson

Authorized for release by:
5/16/2022 1:06:49 PM

April Callahan, Project Manager
(732)549-3900
April.Callahan@et.eurofinsus.com

Table of Contents

Definitions/Glossary

Client: CHA Inc
Job ID: 460-256244-1
Project/Site: Bergen County School District - Technical

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-256244-1

Laboratory: Eurofins Edison

Narrative

CASE NARRATIVE

Client: CHA Inc

Project: Bergen County School District - Technical

Report Number: 460-256244-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 4/12/2022 4:21 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.3º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

Receipt Exceptions

Remaining holds were canceled on 5/16.

TOTAL METALS

Sample P-HAZ-KS-01A (460-256244-1) was analyzed for total metals in accordance with EPA Method 200.8 (ICP/MS). The samples were prepared and analyzed on 04/18/2022.

As a standard practice all non-potable samples and related QC samples (i.e., MB, LCS, Dup, MS, SD) are diluted 5X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: CHA Inc
Job ID: 460-256244-1
Project/Site: Bergen County School District - Technical

Client Sample ID: P-HAZ-KS-01A
Lab Sample ID: 460-256244-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.00		2.00	0.11	ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: CHA Inc
Job ID: 460-256244-1
Project/Site: Bergen County School District - Technical

Client Sample ID: P-HAZ-KS-01A
Lab Sample ID: 460-256244-1
Date Collected: 04/12/22 13:40
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.00		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 15:32	1

QC Sample Results

Client: CHA Inc
Job ID: 460-256244-1
Project/Site: Bergen County School District - Technical

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 460-839796/1-A
Matrix: Water
Analysis Batch: 839824

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 839796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 15:07	1

Lab Sample ID: LCS 460-839796/2-A
Matrix: Water
Analysis Batch: 839824

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 839796

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			5.00	4.63		ug/L		93	85 - 115		

QC Association Summary

Client: CHA Inc
Job ID: 460-256244-1
Project/Site: Bergen County School District - Technical

Metals

Prep Batch: 839796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256244-1	P-HAZ-KS-01A	Total/NA	Water	200	
MB 460-839796/1-A	Method Blank	Total/NA	Water	200	
LCS 460-839796/2-A	Lab Control Sample	Total/NA	Water	200	

Analysis Batch: 839824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256244-1	P-HAZ-KS-01A	Total/NA	Water	200.8	839796
MB 460-839796/1-A	Method Blank	Total/NA	Water	200.8	839796
LCS 460-839796/2-A	Lab Control Sample	Total/NA	Water	200.8	839796

Lab Chronicle

Client: CHA Inc
Job ID: 460-256244-1
Project/Site: Bergen County School District - Technical

Client Sample ID: P-HAZ-KS-01A
Lab Sample ID: 460-256244-1

Date Collected: 04/12/22 13:40
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:07	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 15:32	YZH	TAL EDI

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: CHA Inc
Job ID: 460-256244-1
Project/Site: Bergen County School District - Technical

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-23

Method Summary

Client: CHA Inc
Job ID: 460-256244-1
Project/Site: Bergen County School District - Technical

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL EDI
200	Preparation, Metals	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: CHA Inc
Job ID: 460-256244-1
Project/Site: Bergen County School District - Technical

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-256244-1	P-HAZ-KS-01A	Water	04/12/22 13:40	04/12/22 16:21

Eurofins TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: C HURLBURT	Lab PM: April Callahan	Carrier Tracking No(s):	COC No:
Client Contact: Seth Fowler/Carrie Robinson	Phone: 203.823.1800	E-Mail:		Page: 1 of 1
Company: CHA				Job #: 31521.2004 256244
Address: 3 Winners Circle	Due Date Requested:			Preservation Codes:
City: Albany	TAT Requested (days): First Draw Samples (A) - 5 day TAT Flush Samples (B) analyzed only on request at 10 day TAT			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: NY				
Phone: 12205	PO #: 31521			Other:
Email: sfowler@chacompanies.com crobinson@chacompanies.com	WO #:			
Project Name: Bergen County Special Services District	Project #:			
Site:	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Pb	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
P-HAZ-KS-01A	4.12.22	13:40	G	W			X	1	
P-HAZ-KS-01B	↓	↓	↓	↓			↓	↓	H

5-Day RUSH

460-256244 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements: **Hold all samples ending with "B" until direction from CHA**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4.12.22 15:00	CHA	TA	04/12/22	15-07
2		04/12/22 16:21			4/12/22 1621	TAEDI
3						

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		2-1-2-3

Page 13 of 15

5/16/2022

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Page ____ of ____

Job Number: 256244

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.1 °C	2.3 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ **Date:** 04/12

5/16/2022

Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 460-256244-1

Login Number: 256244
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

LABORATORY REPORTS

Main Building

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ANALYTICAL REPORT

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-256293-1
Client Project/Site: Bergen County School District - Technical

For:
CHA Inc
III Winners Circle
PO BOX 5269
Albany, New York 12205-0269

Attn: Ms. Carrie Robinson

Authorized for release by:
5/18/2022 9:18:59 AM

April Callahan, Project Manager
(732)549-3900
April.Callahan@et.eurofinsus.com

Table of Contents

Definitions/Glossary

Client: CHA Inc
Job ID: 460-256293-1
Project/Site: Bergen County School District - Technical

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-256293-1

Laboratory: Eurofins Edison

Narrative

CASE NARRATIVE

Client: CHA Inc

Project: Bergen County School District - Technical

Report Number: 460-256293-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 4/14/2022 5:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.5º C, 2.5º C and 2.5º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

Receipt Exceptions

The following sample was activated on 4/20: H-200-KS-51B (460-256293-38).

Remaining holds were canceled on 5/17.

TOTAL METALS

Samples H-200-DW-01A (460-256293-1), H-200-TL-03A (460-256293-3), H-200-DW-04A (460-256293-5), H-200-DW-06A (460-256293-7), H-200-IM-07A (460-256293-9), H-200-KS-08A (460-256293-10), H-200-DW-13A (460-256293-12), H-200-DW-14A (460-256293-14), H-200-KS-15A (460-256293-16), H-200-KS-16A (460-256293-18), H-200-DW-17A (460-256293-20), H-200-DW-19A (460-256293-22), H-200-KS-48A (460-256293-24), H-200-DW-21A (460-256293-26), H-200-DW-23A (460-256293-28), H-200-KS-27A (460-256293-30), H-200-KS-28A (460-256293-32), H-200-KS-29A (460-256293-34), H-200-IM-52A (460-256293-36), H-200-KS-51A (460-256293-37), H-200-KS-51B (460-256293-38), H-200-KS-31A (460-256293-39), H-200-DW-33A (460-256293-41), H-200-KS-34A (460-256293-43), H-200-KS-35A (460-256293-45), H-200-IM-36A (460-256293-47), H-200-IM-37A (460-256293-48), H-200-KS-38A (460-256293-49), H-200-KS-39A (460-256293-51), H-200-KS-40A (460-256293-53), H-200-DW-41A (460-256293-55), H-200-DW-45A (460-256293-57), CHA-3 (460-256293-61) and CHA-4 (460-256293-62) were analyzed for total metals in accordance with EPA Method 200.8 (ICP/MS). The samples were prepared and analyzed on 04/19/2022, 04/20/2022 and 04/22/2022.

As a standard practice all non-potable samples and related QC samples (i.e., MB, LCS, Dup, MS, SD) are diluted 5X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

No difficulties were encountered during the metals analysis.

Job ID: 460-256293-1 (Continued)

Laboratory: Eurofins Edison (Continued)

All quality control parameters were within the acceptance limits.

Detection Summary

Client: CHA Inc
Job ID: 460-256293-1
Project/Site: Bergen County School District - Technical

Client Sample ID: H-200-DW-01A — Lab Sample ID: 460-256293-1

No Detections.

Client Sample ID: H-200-TL-03A — Lab Sample ID: 460-256293-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.26		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-200-DW-04A — Lab Sample ID: 460-256293-5

No Detections.

Client Sample ID: H-200-DW-06A — Lab Sample ID: 460-256293-7

No Detections.

Client Sample ID: H-200-IM-07A — Lab Sample ID: 460-256293-9

No Detections.

Client Sample ID: H-200-KS-08A — Lab Sample ID: 460-256293-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.57		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-200-DW-13A — Lab Sample ID: 460-256293-12

No Detections.

Client Sample ID: H-200-DW-14A — Lab Sample ID: 460-256293-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.09		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-200-KS-15A — Lab Sample ID: 460-256293-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	6.66		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-200-KS-16A — Lab Sample ID: 460-256293-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.85		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-200-DW-17A — Lab Sample ID: 460-256293-20

No Detections.

Client Sample ID: H-200-DW-19A — Lab Sample ID: 460-256293-22

No Detections.

Client Sample ID: H-200-KS-48A — Lab Sample ID: 460-256293-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.27		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-200-DW-21A — Lab Sample ID: 460-256293-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.53		2.00	0.11	ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

Client: CHA Inc
Job ID: 460-256293-1
Project/Site: Bergen County School District - Technical

Client Sample ID: H-200-DW-23A — Lab Sample ID: 460-256293-28

No Detections.

Client Sample ID: H-200-KS-27A — Lab Sample ID: 460-256293-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.29		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-200-KS-28A — Lab Sample ID: 460-256293-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.85		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-200-KS-29A — Lab Sample ID: 460-256293-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.40		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-200-IM-52A — Lab Sample ID: 460-256293-36

No Detections.

Client Sample ID: H-200-KS-51A — Lab Sample ID: 460-256293-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	35.7		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-200-KS-51B — Lab Sample ID: 460-256293-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.08		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-200-KS-31A — Lab Sample ID: 460-256293-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.92		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-200-DW-33A — Lab Sample ID: 460-256293-41

No Detections.

Client Sample ID: H-200-KS-34A — Lab Sample ID: 460-256293-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.56		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-200-KS-35A — Lab Sample ID: 460-256293-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	5.08		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-200-IM-36A — Lab Sample ID: 460-256293-47

No Detections.

Client Sample ID: H-200-IM-37A — Lab Sample ID: 460-256293-48

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

Client: CHA Inc
Job ID: 460-256293-1
Project/Site: Bergen County School District - Technical

Client Sample ID: H-200-KS-38A — Lab Sample ID: 460-256293-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.30		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-200-KS-39A — Lab Sample ID: 460-256293-51

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.59		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-200-KS-40A — Lab Sample ID: 460-256293-53

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.17		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-200-DW-41A — Lab Sample ID: 460-256293-55

No Detections.

Client Sample ID: H-200-DW-45A — Lab Sample ID: 460-256293-57

No Detections.

Client Sample ID: CHA-3 — Lab Sample ID: 460-256293-61

No Detections.

Client Sample ID: CHA-4 — Lab Sample ID: 460-256293-62

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.22		2.00	0.11	ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: H-200-DW-01A
Lab Sample ID: 460-256293-1
Date Collected: 04/13/22 07:55
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/19/22 17:43	04/19/22 18:56	1

Client Sample ID: H-200-TL-03A
Lab Sample ID: 460-256293-3
Date Collected: 04/13/22 08:00
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**4.26**		2.00	0.11	ug/L		04/19/22 17:43	04/19/22 19:03	1

Client Sample ID: H-200-DW-04A
Lab Sample ID: 460-256293-5
Date Collected: 04/13/22 08:05
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/19/22 17:43	04/19/22 19:05	1

Client Sample ID: H-200-DW-06A
Lab Sample ID: 460-256293-7
Date Collected: 04/13/22 08:10
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/19/22 17:43	04/19/22 19:07	1

Client Sample ID: H-200-IM-07A
Lab Sample ID: 460-256293-9
Date Collected: 04/13/22 08:15
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/19/22 17:43	04/19/22 19:10	1

Client Sample ID: H-200-KS-08A
Lab Sample ID: 460-256293-10
Date Collected: 04/13/22 08:20
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**1.57**		2.00	0.11	ug/L		04/19/22 17:43	04/19/22 19:12	1

Client Sample ID: H-200-DW-13A
Lab Sample ID: 460-256293-12
Date Collected: 04/13/22 08:35
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/19/22 17:46	04/19/22 19:16	1

Client Sample ID: H-200-DW-14A
Lab Sample ID: 460-256293-14
Date Collected: 04/13/22 08:45
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.09		2.00	0.11	ug/L		04/19/22 17:46	04/19/22 19:18	1

Client Sample ID: H-200-KS-15A
Lab Sample ID: 460-256293-16
Date Collected: 04/13/22 08:50
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.66		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 19:45	1

Client Sample ID: H-200-KS-16A
Lab Sample ID: 460-256293-18
Date Collected: 04/13/22 08:55
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.85		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 19:48	1

Client Sample ID: H-200-DW-17A
Lab Sample ID: 460-256293-20
Date Collected: 04/13/22 09:00
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 19:50	1

Client Sample ID: H-200-DW-19A
Lab Sample ID: 460-256293-22
Date Collected: 04/13/22 09:05
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 19:38	1

Client Sample ID: H-200-KS-48A
Lab Sample ID: 460-256293-24
Date Collected: 04/13/22 09:10
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.27		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 19:57	1

Client Sample ID: H-200-DW-21A
Lab Sample ID: 460-256293-26
Date Collected: 04/13/22 09:15
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.53		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 19:59	1

Client Sample ID: H-200-DW-23A
Lab Sample ID: 460-256293-28
Date Collected: 04/13/22 09:20
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 20:02	1

Client Sample ID: H-200-KS-27A
Lab Sample ID: 460-256293-30
Date Collected: 04/13/22 09:45
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**3.29**		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 20:04	1

Client Sample ID: H-200-KS-28A
Lab Sample ID: 460-256293-32
Date Collected: 04/13/22 09:50
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**3.85**		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 20:06	1

Client Sample ID: H-200-KS-29A
Lab Sample ID: 460-256293-34
Date Collected: 04/13/22 09:55
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**2.40**		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 20:09	1

Client Sample ID: H-200-IM-52A
Lab Sample ID: 460-256293-36
Date Collected: 04/13/22 10:00
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 20:11	1

Client Sample ID: H-200-KS-51A
Lab Sample ID: 460-256293-37
Date Collected: 04/13/22 10:05
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**35.7**		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 20:13	1

Client Sample ID: H-200-KS-51B
Lab Sample ID: 460-256293-38
Date Collected: 04/13/22 10:05
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**1.08**		2.00	0.11	ug/L		04/22/22 13:34	04/22/22 15:27	1

Client Sample ID: H-200-KS-31A
Lab Sample ID: 460-256293-39
Date Collected: 04/13/22 10:45
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.92		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 20:16	1

Client Sample ID: H-200-DW-33A
Lab Sample ID: 460-256293-41
Date Collected: 04/13/22 10:50
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 20:22	1

Client Sample ID: H-200-KS-34A
Lab Sample ID: 460-256293-43
Date Collected: 04/13/22 10:55
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.56		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 20:25	1

Client Sample ID: H-200-KS-35A
Lab Sample ID: 460-256293-45
Date Collected: 04/13/22 11:00
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.08		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 20:27	1

Client Sample ID: H-200-IM-36A
Lab Sample ID: 460-256293-47
Date Collected: 04/13/22 11:05
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 20:29	1

Client Sample ID: H-200-IM-37A
Lab Sample ID: 460-256293-48
Date Collected: 04/13/22 11:10
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 20:32	1

Client Sample ID: H-200-KS-38A
Lab Sample ID: 460-256293-49
Date Collected: 04/13/22 11:15
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.30		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 20:34	1

Client Sample ID: H-200-KS-39A
Lab Sample ID: 460-256293-51
Date Collected: 04/13/22 11:20
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.59		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 20:36	1

Client Sample ID: H-200-KS-40A
Lab Sample ID: 460-256293-53
Date Collected: 04/13/22 11:25
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.17		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 12:01	1

Client Sample ID: H-200-DW-41A
Lab Sample ID: 460-256293-55
Date Collected: 04/13/22 11:30
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 12:08	1

Client Sample ID: H-200-DW-45A
Lab Sample ID: 460-256293-57
Date Collected: 04/13/22 11:35
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 12:10	1

Client Sample ID: CHA-3
Lab Sample ID: 460-256293-61
Date Collected: 04/13/22 12:00
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 12:13	1

Client Sample ID: CHA-4
Lab Sample ID: 460-256293-62
Date Collected: 04/13/22 12:05
Matrix: Water
Date Received: 04/14/22 17:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.22		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 12:19	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 460-840047/1-A
Matrix: Water
Analysis Batch: 840030
Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 840047

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/19/22 17:43	04/19/22 18:12	1

Lab Sample ID: LCS 460-840047/2-A
Matrix: Water
Analysis Batch: 840030
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 840047

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	5.00	4.77		ug/L		95	85 - 115

Lab Sample ID: 460-256293-14 MS
Matrix: Water
Analysis Batch: 840030
Client Sample ID: H-200-DW-14A
Prep Type: Total/NA
Prep Batch: 840047

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	4.09		5.00	8.63		ug/L		91	70 - 130

Lab Sample ID: MB 460-840067/1-A
Matrix: Water
Analysis Batch: 840030
Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 840067

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/19/22 18:54	04/19/22 19:32	1

Lab Sample ID: LCS 460-840067/2-A
Matrix: Water
Analysis Batch: 840030
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 840067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	5.00	4.69		ug/L		94	85 - 115

Lab Sample ID: 460-256293-22 MS
Matrix: Water
Analysis Batch: 840030
Client Sample ID: H-200-DW-19A
Prep Type: Total/NA
Prep Batch: 840067

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	<0.11		5.00	4.58		ug/L		92	70 - 130

Lab Sample ID: 460-256293-51 MS
Matrix: Water
Analysis Batch: 840030
Client Sample ID: H-200-KS-39A
Prep Type: Total/NA
Prep Batch: 840067

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.59		5.00	5.12		ug/L		91	70 - 130

Lab Sample ID: 460-256293-22 DU
Matrix: Water
Analysis Batch: 840030
Client Sample ID: H-200-DW-19A
Prep Type: Total/NA
Prep Batch: 840067

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	<0.11		<0.11		ug/L		NC	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 460-840208/1-A
Matrix: Water
Analysis Batch: 840247

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 840208

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 11:54	1

Lab Sample ID: LCS 460-840208/2-A
Matrix: Water
Analysis Batch: 840247

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 840208

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	5.00	5.03		ug/L		101	85 - 115

Lab Sample ID: 460-256293-53 MS
Matrix: Water
Analysis Batch: 840247

Client Sample ID: H-200-KS-40A
Prep Type: Total/NA
Prep Batch: 840208

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.17		5.00	4.98		ug/L		96	70 - 130

Lab Sample ID: 460-256293-53 DU
Matrix: Water
Analysis Batch: 840247

Client Sample ID: H-200-KS-40A
Prep Type: Total/NA
Prep Batch: 840208

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	0.17		0.18		ug/L		5	20

Lab Sample ID: MB 460-840709/1-A
Matrix: Water
Analysis Batch: 840755

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 840709

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/22/22 13:34	04/22/22 15:20	1

Lab Sample ID: LCS 460-840709/2-A
Matrix: Water
Analysis Batch: 840755

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 840709

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	5.00	5.14		ug/L		103	85 - 115

Lab Sample ID: 460-256293-38 MS
Matrix: Water
Analysis Batch: 840755

Client Sample ID: H-200-KS-51B
Prep Type: Total/NA
Prep Batch: 840709

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	1.08		5.00	5.98		ug/L		98	70 - 130

Lab Sample ID: 460-256293-38 DU
Matrix: Water
Analysis Batch: 840755

Client Sample ID: H-200-KS-51B
Prep Type: Total/NA
Prep Batch: 840709

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	1.08		1.09		ug/L		1	20

Metals

Analysis Batch: 840030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256293-1	H-200-DW-01A	Total/NA	Water	200.8	840047
460-256293-3	H-200-TL-03A	Total/NA	Water	200.8	840047
460-256293-5	H-200-DW-04A	Total/NA	Water	200.8	840047
460-256293-7	H-200-DW-06A	Total/NA	Water	200.8	840047
460-256293-9	H-200-IM-07A	Total/NA	Water	200.8	840047
460-256293-10	H-200-KS-08A	Total/NA	Water	200.8	840047
460-256293-12	H-200-DW-13A	Total/NA	Water	200.8	840047
460-256293-14	H-200-DW-14A	Total/NA	Water	200.8	840047
460-256293-16	H-200-KS-15A	Total/NA	Water	200.8	840067
460-256293-18	H-200-KS-16A	Total/NA	Water	200.8	840067
460-256293-20	H-200-DW-17A	Total/NA	Water	200.8	840067
460-256293-22	H-200-DW-19A	Total/NA	Water	200.8	840067
460-256293-24	H-200-KS-48A	Total/NA	Water	200.8	840067
460-256293-26	H-200-DW-21A	Total/NA	Water	200.8	840067
460-256293-28	H-200-DW-23A	Total/NA	Water	200.8	840067
460-256293-30	H-200-KS-27A	Total/NA	Water	200.8	840067
460-256293-32	H-200-KS-28A	Total/NA	Water	200.8	840067
460-256293-34	H-200-KS-29A	Total/NA	Water	200.8	840067
460-256293-36	H-200-IM-52A	Total/NA	Water	200.8	840067
460-256293-37	H-200-KS-51A	Total/NA	Water	200.8	840067
460-256293-39	H-200-KS-31A	Total/NA	Water	200.8	840067
460-256293-41	H-200-DW-33A	Total/NA	Water	200.8	840067
460-256293-43	H-200-KS-34A	Total/NA	Water	200.8	840067
460-256293-45	H-200-KS-35A	Total/NA	Water	200.8	840067
460-256293-47	H-200-IM-36A	Total/NA	Water	200.8	840067
460-256293-48	H-200-IM-37A	Total/NA	Water	200.8	840067
460-256293-49	H-200-KS-38A	Total/NA	Water	200.8	840067
460-256293-51	H-200-KS-39A	Total/NA	Water	200.8	840067
MB 460-840047/1-A	Method Blank	Total/NA	Water	200.8	840047
MB 460-840067/1-A	Method Blank	Total/NA	Water	200.8	840067
LCS 460-840047/2-A	Lab Control Sample	Total/NA	Water	200.8	840047
LCS 460-840067/2-A	Lab Control Sample	Total/NA	Water	200.8	840067
460-256293-14 MS	H-200-DW-14A	Total/NA	Water	200.8	840047
460-256293-22 MS	H-200-DW-19A	Total/NA	Water	200.8	840067
460-256293-51 MS	H-200-KS-39A	Total/NA	Water	200.8	840067
460-256293-22 DU	H-200-DW-19A	Total/NA	Water	200.8	840067

Prep Batch: 840047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256293-1	H-200-DW-01A	Total/NA	Water	200	
460-256293-3	H-200-TL-03A	Total/NA	Water	200	
460-256293-5	H-200-DW-04A	Total/NA	Water	200	
460-256293-7	H-200-DW-06A	Total/NA	Water	200	
460-256293-9	H-200-IM-07A	Total/NA	Water	200	
460-256293-10	H-200-KS-08A	Total/NA	Water	200	
460-256293-12	H-200-DW-13A	Total/NA	Water	200	
460-256293-14	H-200-DW-14A	Total/NA	Water	200	
MB 460-840047/1-A	Method Blank	Total/NA	Water	200	
LCS 460-840047/2-A	Lab Control Sample	Total/NA	Water	200	
460-256293-14 MS	H-200-DW-14A	Total/NA	Water	200	

Metals

Prep Batch: 840067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256293-16	H-200-KS-15A	Total/NA	Water	200	
460-256293-18	H-200-KS-16A	Total/NA	Water	200	
460-256293-20	H-200-DW-17A	Total/NA	Water	200	
460-256293-22	H-200-DW-19A	Total/NA	Water	200	
460-256293-24	H-200-KS-48A	Total/NA	Water	200	
460-256293-26	H-200-DW-21A	Total/NA	Water	200	
460-256293-28	H-200-DW-23A	Total/NA	Water	200	
460-256293-30	H-200-KS-27A	Total/NA	Water	200	
460-256293-32	H-200-KS-28A	Total/NA	Water	200	
460-256293-34	H-200-KS-29A	Total/NA	Water	200	
460-256293-36	H-200-IM-52A	Total/NA	Water	200	
460-256293-37	H-200-KS-51A	Total/NA	Water	200	
460-256293-39	H-200-KS-31A	Total/NA	Water	200	
460-256293-41	H-200-DW-33A	Total/NA	Water	200	
460-256293-43	H-200-KS-34A	Total/NA	Water	200	
460-256293-45	H-200-KS-35A	Total/NA	Water	200	
460-256293-47	H-200-IM-36A	Total/NA	Water	200	
460-256293-48	H-200-IM-37A	Total/NA	Water	200	
460-256293-49	H-200-KS-38A	Total/NA	Water	200	
460-256293-51	H-200-KS-39A	Total/NA	Water	200	
MB 460-840067/1-A	Method Blank	Total/NA	Water	200	
LCS 460-840067/2-A	Lab Control Sample	Total/NA	Water	200	
460-256293-22 MS	H-200-DW-19A	Total/NA	Water	200	
460-256293-51 MS	H-200-KS-39A	Total/NA	Water	200	
460-256293-22 DU	H-200-DW-19A	Total/NA	Water	200	

Prep Batch: 840208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256293-53	H-200-KS-40A	Total/NA	Water	200	
460-256293-55	H-200-DW-41A	Total/NA	Water	200	
460-256293-57	H-200-DW-45A	Total/NA	Water	200	
460-256293-61	CHA-3	Total/NA	Water	200	
460-256293-62	CHA-4	Total/NA	Water	200	
MB 460-840208/1-A	Method Blank	Total/NA	Water	200	
LCS 460-840208/2-A	Lab Control Sample	Total/NA	Water	200	
460-256293-53 MS	H-200-KS-40A	Total/NA	Water	200	
460-256293-53 DU	H-200-KS-40A	Total/NA	Water	200	

Analysis Batch: 840247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256293-53	H-200-KS-40A	Total/NA	Water	200.8	840208
460-256293-55	H-200-DW-41A	Total/NA	Water	200.8	840208
460-256293-57	H-200-DW-45A	Total/NA	Water	200.8	840208
460-256293-61	CHA-3	Total/NA	Water	200.8	840208
460-256293-62	CHA-4	Total/NA	Water	200.8	840208
MB 460-840208/1-A	Method Blank	Total/NA	Water	200.8	840208
LCS 460-840208/2-A	Lab Control Sample	Total/NA	Water	200.8	840208
460-256293-53 MS	H-200-KS-40A	Total/NA	Water	200.8	840208
460-256293-53 DU	H-200-KS-40A	Total/NA	Water	200.8	840208

QC Association Summary

Client: CHA Inc
Job ID: 460-256293-1
Project/Site: Bergen County School District - Technical

Metals

Prep Batch: 840709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256293-38	H-200-KS-51B	Total/NA	Water	200	
MB 460-840709/1-A	Method Blank	Total/NA	Water	200	
LCS 460-840709/2-A	Lab Control Sample	Total/NA	Water	200	
460-256293-38 MS	H-200-KS-51B	Total/NA	Water	200	
460-256293-38 DU	H-200-KS-51B	Total/NA	Water	200	

Analysis Batch: 840755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256293-38	H-200-KS-51B	Total/NA	Water	200.8	840709
MB 460-840709/1-A	Method Blank	Total/NA	Water	200.8	840709
LCS 460-840709/2-A	Lab Control Sample	Total/NA	Water	200.8	840709
460-256293-38 MS	H-200-KS-51B	Total/NA	Water	200.8	840709
460-256293-38 DU	H-200-KS-51B	Total/NA	Water	200.8	840709

Lab Chronicle

Client: CHA Inc
Job ID: 460-256293-1
Project/Site: Bergen County School District - Technical

Client Sample ID: H-200-DW-01A
Lab Sample ID: 460-256293-1
Date Collected: 04/13/22 07:55
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840047	04/19/22 17:43	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 18:56	YZH	TAL EDI

Client Sample ID: H-200-TL-03A
Lab Sample ID: 460-256293-3
Date Collected: 04/13/22 08:00
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840047	04/19/22 17:43	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 19:03	YZH	TAL EDI

Client Sample ID: H-200-DW-04A
Lab Sample ID: 460-256293-5
Date Collected: 04/13/22 08:05
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840047	04/19/22 17:43	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 19:05	YZH	TAL EDI

Client Sample ID: H-200-DW-06A
Lab Sample ID: 460-256293-7
Date Collected: 04/13/22 08:10
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840047	04/19/22 17:43	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 19:07	YZH	TAL EDI

Client Sample ID: H-200-IM-07A
Lab Sample ID: 460-256293-9
Date Collected: 04/13/22 08:15
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840047	04/19/22 17:43	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 19:10	YZH	TAL EDI

Client Sample ID: H-200-KS-08A
Lab Sample ID: 460-256293-10
Date Collected: 04/13/22 08:20
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840047	04/19/22 17:43	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 19:12	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Job ID: 460-256293-1
Project/Site: Bergen County School District - Technical

Client Sample ID: H-200-DW-13A
Lab Sample ID: 460-256293-12
Date Collected: 04/13/22 08:35
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840047	04/19/22 17:46	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 19:16	YZH	TAL EDI

Client Sample ID: H-200-DW-14A
Lab Sample ID: 460-256293-14
Date Collected: 04/13/22 08:45
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840047	04/19/22 17:46	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 19:18	YZH	TAL EDI

Client Sample ID: H-200-KS-15A
Lab Sample ID: 460-256293-16
Date Collected: 04/13/22 08:50
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 19:45	YZH	TAL EDI

Client Sample ID: H-200-KS-16A
Lab Sample ID: 460-256293-18
Date Collected: 04/13/22 08:55
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 19:48	YZH	TAL EDI

Client Sample ID: H-200-DW-17A
Lab Sample ID: 460-256293-20
Date Collected: 04/13/22 09:00
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 19:50	YZH	TAL EDI

Client Sample ID: H-200-DW-19A
Lab Sample ID: 460-256293-22
Date Collected: 04/13/22 09:05
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 19:38	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Job ID: 460-256293-1
Project/Site: Bergen County School District - Technical

Client Sample ID: H-200-KS-48A
Lab Sample ID: 460-256293-24
Date Collected: 04/13/22 09:10
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 19:57	YZH	TAL EDI

Client Sample ID: H-200-DW-21A
Lab Sample ID: 460-256293-26
Date Collected: 04/13/22 09:15
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 19:59	YZH	TAL EDI

Client Sample ID: H-200-DW-23A
Lab Sample ID: 460-256293-28
Date Collected: 04/13/22 09:20
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 20:02	YZH	TAL EDI

Client Sample ID: H-200-KS-27A
Lab Sample ID: 460-256293-30
Date Collected: 04/13/22 09:45
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 20:04	YZH	TAL EDI

Client Sample ID: H-200-KS-28A
Lab Sample ID: 460-256293-32
Date Collected: 04/13/22 09:50
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 20:06	YZH	TAL EDI

Client Sample ID: H-200-KS-29A
Lab Sample ID: 460-256293-34
Date Collected: 04/13/22 09:55
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 20:09	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Job ID: 460-256293-1
Project/Site: Bergen County School District - Technical

Client Sample ID: H-200-IM-52A
Lab Sample ID: 460-256293-36
Date Collected: 04/13/22 10:00
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 20:11	YZH	TAL EDI

Client Sample ID: H-200-KS-51A
Lab Sample ID: 460-256293-37
Date Collected: 04/13/22 10:05
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 20:13	YZH	TAL EDI

Client Sample ID: H-200-KS-51B
Lab Sample ID: 460-256293-38
Date Collected: 04/13/22 10:05
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840709	04/22/22 13:34	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840755	04/22/22 15:27	YZH	TAL EDI

Client Sample ID: H-200-KS-31A
Lab Sample ID: 460-256293-39
Date Collected: 04/13/22 10:45
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 20:16	YZH	TAL EDI

Client Sample ID: H-200-DW-33A
Lab Sample ID: 460-256293-41
Date Collected: 04/13/22 10:50
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 20:22	YZH	TAL EDI

Client Sample ID: H-200-KS-34A
Lab Sample ID: 460-256293-43
Date Collected: 04/13/22 10:55
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 20:25	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Job ID: 460-256293-1
Project/Site: Bergen County School District - Technical

Client Sample ID: H-200-KS-35A
Lab Sample ID: 460-256293-45
Date Collected: 04/13/22 11:00
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 20:27	YZH	TAL EDI

Client Sample ID: H-200-IM-36A
Lab Sample ID: 460-256293-47
Date Collected: 04/13/22 11:05
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 20:29	YZH	TAL EDI

Client Sample ID: H-200-IM-37A
Lab Sample ID: 460-256293-48
Date Collected: 04/13/22 11:10
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 20:32	YZH	TAL EDI

Client Sample ID: H-200-KS-38A
Lab Sample ID: 460-256293-49
Date Collected: 04/13/22 11:15
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 20:34	YZH	TAL EDI

Client Sample ID: H-200-KS-39A
Lab Sample ID: 460-256293-51
Date Collected: 04/13/22 11:20
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840067	04/19/22 18:54	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840030	04/19/22 20:36	YZH	TAL EDI

Client Sample ID: H-200-KS-40A
Lab Sample ID: 460-256293-53
Date Collected: 04/13/22 11:25
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 12:01	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Job ID: 460-256293-1
Project/Site: Bergen County School District - Technical

Client Sample ID: H-200-DW-41A
Lab Sample ID: 460-256293-55
Date Collected: 04/13/22 11:30
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 12:08	YZH	TAL EDI

Client Sample ID: H-200-DW-45A
Lab Sample ID: 460-256293-57
Date Collected: 04/13/22 11:35
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 12:10	YZH	TAL EDI

Client Sample ID: CHA-3
Lab Sample ID: 460-256293-61
Date Collected: 04/13/22 12:00
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 12:13	YZH	TAL EDI

Client Sample ID: CHA-4
Lab Sample ID: 460-256293-62
Date Collected: 04/13/22 12:05
Matrix: Water
Date Received: 04/14/22 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 12:19	YZH	TAL EDI

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: CHA Inc
Job ID: 460-256293-1
Project/Site: Bergen County School District - Technical

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-23

Method Summary

Client: CHA Inc
Job ID: 460-256293-1
Project/Site: Bergen County School District - Technical

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL EDI
200	Preparation, Metals	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: CHA Inc
Job ID: 460-256293-1
Project/Site: Bergen County School District - Technical

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-256293-1	H-200-DW-01A	Water	04/13/22 07:55	04/14/22 17:30
460-256293-3	H-200-TL-03A	Water	04/13/22 08:00	04/14/22 17:30
460-256293-5	H-200-DW-04A	Water	04/13/22 08:05	04/14/22 17:30
460-256293-7	H-200-DW-06A	Water	04/13/22 08:10	04/14/22 17:30
460-256293-9	H-200-IM-07A	Water	04/13/22 08:15	04/14/22 17:30
460-256293-10	H-200-KS-08A	Water	04/13/22 08:20	04/14/22 17:30
460-256293-12	H-200-DW-13A	Water	04/13/22 08:35	04/14/22 17:30
460-256293-14	H-200-DW-14A	Water	04/13/22 08:45	04/14/22 17:30
460-256293-16	H-200-KS-15A	Water	04/13/22 08:50	04/14/22 17:30
460-256293-18	H-200-KS-16A	Water	04/13/22 08:55	04/14/22 17:30
460-256293-20	H-200-DW-17A	Water	04/13/22 09:00	04/14/22 17:30
460-256293-22	H-200-DW-19A	Water	04/13/22 09:05	04/14/22 17:30
460-256293-24	H-200-KS-48A	Water	04/13/22 09:10	04/14/22 17:30
460-256293-26	H-200-DW-21A	Water	04/13/22 09:15	04/14/22 17:30
460-256293-28	H-200-DW-23A	Water	04/13/22 09:20	04/14/22 17:30
460-256293-30	H-200-KS-27A	Water	04/13/22 09:45	04/14/22 17:30
460-256293-32	H-200-KS-28A	Water	04/13/22 09:50	04/14/22 17:30
460-256293-34	H-200-KS-29A	Water	04/13/22 09:55	04/14/22 17:30
460-256293-36	H-200-IM-52A	Water	04/13/22 10:00	04/14/22 17:30
460-256293-37	H-200-KS-51A	Water	04/13/22 10:05	04/14/22 17:30
460-256293-38	H-200-KS-51B	Water	04/13/22 10:05	04/14/22 17:30
460-256293-39	H-200-KS-31A	Water	04/13/22 10:45	04/14/22 17:30
460-256293-41	H-200-DW-33A	Water	04/13/22 10:50	04/14/22 17:30
460-256293-43	H-200-KS-34A	Water	04/13/22 10:55	04/14/22 17:30
460-256293-45	H-200-KS-35A	Water	04/13/22 11:00	04/14/22 17:30
460-256293-47	H-200-IM-36A	Water	04/13/22 11:05	04/14/22 17:30
460-256293-48	H-200-IM-37A	Water	04/13/22 11:10	04/14/22 17:30
460-256293-49	H-200-KS-38A	Water	04/13/22 11:15	04/14/22 17:30
460-256293-51	H-200-KS-39A	Water	04/13/22 11:20	04/14/22 17:30
460-256293-53	H-200-KS-40A	Water	04/13/22 11:25	04/14/22 17:30
460-256293-55	H-200-DW-41A	Water	04/13/22 11:30	04/14/22 17:30
460-256293-57	H-200-DW-45A	Water	04/13/22 11:35	04/14/22 17:30
460-256293-61	CHA-3	Water	04/13/22 12:00	04/14/22 17:30
460-256293-62	CHA-4	Water	04/13/22 12:05	04/14/22 17:30

Eurofins TestAmerica Edison
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Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

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256293

Client Information	Sampler: C. HURLBURT	Lab PM: April Callahan	Carrier Tracking No(s):	COC No: 1 of 6
Client Contact: Seth Fowler/Carrie Robinson	Phone: 203.823.1800	E-Mail:		Page:
Company: CHA				Job #: 31521.1004
Address: 3 Winners Circle	Due Date Requested:			Preservation Codes:
City: Albany	TAT Requested (days): First Draw Samples (A) - 5 day TAT; Flush Samples (B) analyzed only on request at 10 day TAT			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: NY				
Phone: 12205	PO #:			Other:
Email: sfowler@chacompanies.com; crobinson@chacompanies.com	WO #:			
Project Name: Bergen County Special Services District	Project #: 31521.2004			
Site:	SSOW#:			

Analysis Requested

Field Filtered Sample (Yes or No); Perform MS/MSD (Yes or No); 200.8 - Pb; Total Number of containers

5-Day RUSH

460-256293 Chain of Custody

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code:	Special Instructions/Note:
H-200-DW-01A	4.13.22	7:55	G	W	X	
H-200-DW-01B		7:55				H
H-200-TL-03A		8:00				
H-200-TL-03B		8:00				H
H-200-DW-04A		8:05				
H-200-DW-04B		8:05				H
H-200-DW-06A		8:10				
H-200-DW-06B		8:10				H
H-200-IM-07A		8:15				
H-200-KS-08A		8:20				
H-200-KS-08B		8:20				H

Page 28 of 35
4 5 6 7 8 9 10 11

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Hold all samples ending with "B" until direction from CHA**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4.13.22 15:25	CHA		4/13/22 1820	EET
2	Relinquished by:	Date/Time: 4/13/22 17:30	Company EET	Received by:	Date/Time: 4/13/22 1730	Company TAEQ
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No | Custody Seal No.: NO CS RHO

Cooler Temperature(s) °C and Other Remarks: 2.3/2.5 2.3/2.5

5/18/2022

Chain of Custody Record

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256293

...son, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Client Information	Sampler: C. HURLBURT	Lab PM: April Callahan	Carrier Tracking No(s):	COC No:
Client Contact: Seth Fowler/Carrie Robinson	Phone: 203.823.1800	E-Mail:		Page: 2 of 6
Company: CHA				Job #: 31521.1004
Address: 3 Winners Circle	Due Date Requested:			
City: Albany	TAT Requested (days): First Draw Samples (A) - 5 day TAT; Flush Samples (B) analyzed only on request at 10 day TAT			
State, Zip: NY	PO #:			
Phone: 12205	WO #:			
Email: sfowler@chacompanies.com; crobinson@chacompanies.com				
Project Name: Bergen County Special Services District	Project #: 31521.2004			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 → Pb	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
H-200-DW-13A	4.13.22	8:35	G	W			X	1	
H-200-DW-13B		8:35						1	H
H-200-DW-14A		8:45							
H-200-DW-14B		8:45						1	H
H-200-KS-15A		8:50							
H-200-KS-15B		8:50						1	H
H-200-KS-16A		8:55							
H-200-KS-16B		8:55						1	H
H-200-DW-17A		9:00							
H-200-DW-17B		9:00						1	H
H-200-DW-19A		9:05					X	1	

Page 2 of 35

sible Hazard Identification

nfirmed

erable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements: **Hold all samples ending with "B" until direction from CHA**

Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
...shed by:	4.13.22 15:25	CHA		4/13/22 1810	EEJ
...hed by:	4/13/22 17:35	EET		4/13/22 1730	TAL
...ied by:	Date/Time:	Company	Received by:	Date/Time:	Company

...y Seals Intact: ...es Δ No | Custody Seal No.: NO CSIR

Cooler Temperature(s) °C and Other Remarks: 4.1 °C

5/18/2022

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Edison, NJ 08817
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Chain of Custody Record

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25 0293

Client Information	Sampler: C HURLBURT	Lab PM: April Callahan	Carrier Tracking No(s):	COC No: 3 of 6
Client Contact: Seth Fowler/Carrie Robinson	Phone: 203.823.1800	E-Mail:		Page:
Company: CHA				Job #: 31521.1004
Address: 3 Winners Circle	Due Date Requested:			
City: Albany	TAT Requested (days): First Draw Samples (A) - 5 day TAT; Flush Samples (B) analyzed only on request at 10 day TAT			
State, Zip: NY				
Phone: 12205	PO #:			
Email: sfowler@chacompanies.com; crobinson@chacompanies.com	WO #:			
Project Name: Bergen County Special Services District	Project #: 31524.2004			
Site:	SSOW#:			

Analysis Requested

Field Filtered Sample (Yes or No); Perform MS/MSD (Yes or No); 200.8 - Pb; Total Number of containers

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered	MS/MSD	200.8	Total # of containers	Special Instructions/Note:
			Preservation Code:						
26 H-200-DW-19B	4.13.22	9:05	G	W	X	X		1	H
27 H-200-KS-48A		9:10						1	
28 H-200-KS-48B		9:10							H
29 H-200-DW-21A		9:15							
30 H-200-DW-21B		9:15							H
31 H-200-DW-23A		9:20							
32 H-200-DW-23B		9:20							H
33 H-200-KS-27A		9:45							
34 H-200-KS-27B		9:45							H
35 H-200-KS-28A		9:50							
36 H-200-KS-28B		9:50							H

Page 30 of 35

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Hold all samples ending with "B" until direction from CHA**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 4.13.22 15:25	Company: CHA	Received by:	Date/Time: 4/13/22 1530	Company: ESJ
Relinquished by:	Date/Time: 4/13/22 1730	Company: GET	Received by:	Date/Time: 4/13/22 1730	Company: TAEDI
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.: NO CS	Cooler Temperature(s) °C and Other Remarks: 4.3/2.5

5/18/2022

256293

TestAmerica Edison
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Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

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Client Information	Sampler: C. HURLBURT	Lab PM: April Callahan	Carrier Tracking No(s):	COC No: 4 of 6
Client Contact: Seth Fowler/Carrie Robinson	Phone: 203.823.1800	E-Mail:		Page:
Company: CHA				Job #: 31521.1004
Address: 3 Winners Circle	Due Date Requested:			
City: Albany	TAT Requested (days): First Draw Samples (A) - 5 day TAT; Flush Samples (B) analyzed only on request at 10 day TAT			
State, Zip: NY				
Phone: 12205	PO #:			
Email: sfowler@chacompanies.com; crobinson@chacompanies.com	WO #:			
Project Name: Bergen County Special Services District	Project #: 31521.2004			
Site:	SSOW#:			

Analysis Requested: Field Filtered Sample (Yes or No); Perform MS/MSD (Yes or No); 200.8 - Pb; Total Number of containers

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code:	Special Instructions/Note:
H-200-KS-29A	4.13.22	9:55	G	W	X	
H-200-KS-29B		9:55				H
H-200-IM-52A		10:00				
H-200-KS-51A		10:05				
H-200-KS-51B		10:05				H
H-200-KS-31A	~~4.12.22~~	10:45				
H-200-KS-31B		10:45				H
H-200-DW-33A		10:50				
H-200-DW-33B		10:50				H
H-200-KS-34A		10:55				
H-200-KS-34B		10:55				H

Possible Hazard Identification: Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Hold all samples ending with "B" until direction from CHA**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 4.13.22 15:25	Company: CHA	Received by:	Date/Time: 4/13/22 1515	Company: EET
Relinquished by:	Date/Time: 4/13/22 17:35	Company: EET	Received by:	Date/Time: 4/13/22 1730	Company: XAEDT
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: NO

Cooler Temperature(s) °C and Other Remarks: 3.2 C

Page 31 of 35

5/18/2022

777 New Durham Road
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Chain of Custody Record

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Client Information	Sampler: C. HURLBURT	Lab PM: April Callahan	Carrier Tracking No(s):	COC No: 5 of 6
Client Contact: Seth Fowler/Carrie Robinson	Phone: 203.823.1800	E-Mail:		Page:
Company: CHA		Analysis Requested		Job #: 31521.1004
Address: 3 Winners Circle	Due Date Requested:			Preservation Codes:
City: Albany	TAT Requested (days): First Draw Samples (A) - 5 day TAT; Flush Samples (B) analyzed only on request at 10 day TAT			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - ph 4-5; Z - other (specify)
State, Zip: NY				
Phone: 12205	PO #:			Other:
Email: sfowler@chacompanies.com; crobinson@chacompanies.com	WO #:			
Project Name: Bergen County Special Services District	Project #: 31521.2009			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Pb	Total Number of containers	Special Instructions/Note:
		Preservation Code:							
H-200-KS-35A	4.13.22	11:00	G	W			X	1	
H-200-KS-35B		11:00							H
H-200-1M-36A		11:05							
H-200-1M-37A		11:10							
H-200-KS-38A		11:15							
H-200-KS-38B		11:15							H
H-200-KS-39A		11:20							
H-200-KS-39B		11:20							H
H-200-KS-40A		11:25				X			
H-200-KS-40B		11:25				X			H
H-200-DW-41A		11:30							

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements: **Hold all samples ending with "B" until direction from CHA**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 4.13.22 15:25	Company: CHA	Received by:	Date/Time: 4/13/22 1530	Company:
Relinquished by:	Date/Time: 4/13/22 17:35	Company:	Received by:	Date/Time: 4/13/22 1730	Company:
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
	NCS/R	HA

Page 32 of 35

5/18/2022

TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing TestAmerica

256293

Client Information	Sampler: C HURLBURT	Lab PM: April Callahan	Carrier Tracking No(s):	COC No: 6 OF 6
Client Contact: Seth Fowler/Carrie Robinson	Phone: 203.823.1500	E-Mail:		Page:
Company: CHA				Job #: 31521.1004
Address: 3 Winners Circle	Due Date Requested:			
City: Albany	TAT Requested (days): First Draw Samples (A) - 5 day TAT; Flush Samples (B) analyzed only on request at 10 day TAT			
State, Zip: NY	PO #:			
Phone: 12205	WO #:			
Email: sfowler@chacompanies.com; crobinson@chacompanies.com	Project #: 31521.2004			
Project Name: Bergen County Special Services District	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Pb	Total Number of containers	Special Instructions/Note:
		Preservation Code:							
H-200-DW-41B	9.13.22	11:30	G	W			X	1	H
H-200-DW-45A		11:35						2	
H-200-DW-45B		11:35							H
H-200-DW-42A		11:45							
H-200-DW-42B		11:45							H
MS-3		9:05							
MSD-3		9:05							
MS-4		11:25							
MSD-4		11:25							
CHA-3		12:00							
CHA-4		12:05							

Page 33 of 35

5/18/2022

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements: **Hold all samples ending with "B" until direction from CHA**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		9.13.22 15:25	CHA		9/13/22 1530	
2		9/13/22 17:30			9/13/22 1730	TAL
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
	N/A	C5 2

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 256293

Number of Coolers: 3 **IR Gun #** 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.3 °C	2.5 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	2.2 °C	2.5 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	2.5 °C	2.6 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: CG **Date:** 4/13/22

Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 460-256293-1

Login Number: 256293
List Number: 1
Creator: Sgro, Angela M

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

LABORATORY REPORTS

Teterboro Campus

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ANALYTICAL REPORT

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-256450-1
Client Project/Site: Bergen County School District - Technical

For:
CHA Inc
III Winners Circle
PO BOX 5269
Albany, New York 12205-0269

Attn: Ms. Carrie Robinson

Authorized for release by:
5/18/2022 9:28:22 AM

April Callahan, Project Manager
(732)549-3900
April.Callahan@et.eurofinsus.com

Table of Contents

Definitions/Glossary

Client: CHA Inc
Job ID: 460-256450-1
Project/Site: Bergen County School District - Technical

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-256450-1

Laboratory: Eurofins Edison

Narrative

CASE NARRATIVE

Client: CHA Inc

Project: Bergen County School District - Technical

Report Number: 460-256450-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 4/15/2022 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.1º C, 3.3º C and 3.7º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

Receipt Exceptions

Remaining holds were canceled on 5/17.

TOTAL METALS

Samples T-504-DW-01A (460-256450-1), T-504-DW-02A (460-256450-3), T-504-DW-03A (460-256450-5), T-504-DW-04A (460-256450-7), T-504-WC-27A (460-256450-9), T-504-WC-28A (460-256450-11), T-504-NS-05A (460-256450-15), T-504-TL-06A (460-256450-17), H-200-DW-42A (460-256450-20), T-504-KS-09A (460-256450-21), T-504-KS-10A (460-256450-23), T-504-KS-11A (460-256450-25), T-504-KS-12A (460-256450-27), T-504-KS-13A (460-256450-29), T-504-IM-14A (460-256450-31), T-504-KS-15A (460-256450-32), T-504-DW-16A (460-256450-34), T-504-DW-17A (460-256450-36), T-504-DW-18A (460-256450-38), T-504-DW-19A (460-256450-40), T-504-DW-20A (460-256450-42), T-504-KS-21A (460-256450-44), T-504-KS-22A (460-256450-46), T-504-IM-23A (460-256450-48), CHA-6 (460-256450-49), T-504-DW-24A (460-256450-50), T-504-DW-25A (460-256450-52), T-504-DW-26A (460-256450-54) and CHA-5 (460-256450-56) were analyzed for total metals in accordance with EPA Method 200.8 (ICP/MS). The samples were prepared and analyzed on 04/20/2022.

As a standard practice all non-potable samples and related QC samples (i.e., MB, LCS, Dup, MS, SD) are diluted 5X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: CHA Inc
Job ID: 460-256450-1
Project/Site: Bergen County School District - Technical

Client Sample ID: T-504-DW-01A — Lab Sample ID: 460-256450-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.11		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: T-504-DW-02A — Lab Sample ID: 460-256450-3

No Detections.

Client Sample ID: T-504-DW-03A — Lab Sample ID: 460-256450-5

No Detections.

Client Sample ID: T-504-DW-04A — Lab Sample ID: 460-256450-7

No Detections.

Client Sample ID: T-504-WC-27A — Lab Sample ID: 460-256450-9

No Detections.

Client Sample ID: T-504-WC-28A — Lab Sample ID: 460-256450-11

No Detections.

Client Sample ID: T-504-NS-05A — Lab Sample ID: 460-256450-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.79		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: T-504-TL-06A — Lab Sample ID: 460-256450-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.25		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: H-200-DW-42A — Lab Sample ID: 460-256450-20

No Detections.

Client Sample ID: T-504-KS-09A — Lab Sample ID: 460-256450-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.81		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: T-504-KS-10A — Lab Sample ID: 460-256450-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.19		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: T-504-KS-11A — Lab Sample ID: 460-256450-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.01		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: T-504-KS-12A — Lab Sample ID: 460-256450-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.04		2.00	0.11	ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: CHA Inc
Job ID: 460-256450-1
Project/Site: Bergen County School District - Technical

Client Sample ID: T-504-KS-13A — Lab Sample ID: 460-256450-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	8.36		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: T-504-IM-14A — Lab Sample ID: 460-256450-31

No Detections.

Client Sample ID: T-504-KS-15A — Lab Sample ID: 460-256450-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.43		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: T-504-DW-16A — Lab Sample ID: 460-256450-34

No Detections.

Client Sample ID: T-504-DW-17A — Lab Sample ID: 460-256450-36

No Detections.

Client Sample ID: T-504-DW-18A — Lab Sample ID: 460-256450-38

No Detections.

Client Sample ID: T-504-DW-19A — Lab Sample ID: 460-256450-40

No Detections.

Client Sample ID: T-504-DW-20A — Lab Sample ID: 460-256450-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.64		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: T-504-KS-21A — Lab Sample ID: 460-256450-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.67		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: T-504-KS-22A — Lab Sample ID: 460-256450-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.29		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: T-504-IM-23A — Lab Sample ID: 460-256450-48

No Detections.

Client Sample ID: CHA-6 — Lab Sample ID: 460-256450-49

No Detections.

Client Sample ID: T-504-DW-24A — Lab Sample ID: 460-256450-50

No Detections.

Client Sample ID: T-504-DW-25A — Lab Sample ID: 460-256450-52

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: CHA Inc
Job ID: 460-256450-1
Project/Site: Bergen County School District - Technical

Client Sample ID: T-504-DW-26A
Lab Sample ID: 460-256450-54

No Detections.

Client Sample ID: CHA-5
Lab Sample ID: 460-256450-56

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: T-504-DW-01A
Lab Sample ID: 460-256450-1
Date Collected: 04/14/22 10:00
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.11		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 12:22	1

Client Sample ID: T-504-DW-02A
Lab Sample ID: 460-256450-3
Date Collected: 04/14/22 10:05
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 12:24	1

Client Sample ID: T-504-DW-03A
Lab Sample ID: 460-256450-5
Date Collected: 04/14/22 10:10
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 12:26	1

Client Sample ID: T-504-DW-04A
Lab Sample ID: 460-256450-7
Date Collected: 04/14/22 10:15
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 12:29	1

Client Sample ID: T-504-WC-27A
Lab Sample ID: 460-256450-9
Date Collected: 04/14/22 10:20
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 12:33	1

Client Sample ID: T-504-WC-28A
Lab Sample ID: 460-256450-11
Date Collected: 04/14/22 10:25
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 12:45	1

Client Sample ID: T-504-NS-05A
Lab Sample ID: 460-256450-15
Date Collected: 04/14/22 10:35
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.79		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 12:47	1

Client Sample ID: T-504-TL-06A
Lab Sample ID: 460-256450-17
Date Collected: 04/14/22 10:40
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.25		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 12:50	1

Client Sample ID: H-200-DW-42A
Lab Sample ID: 460-256450-20
Date Collected: 04/14/22 11:45
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 12:52	1

Client Sample ID: T-504-KS-09A
Lab Sample ID: 460-256450-21
Date Collected: 04/14/22 10:45
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.81		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 12:54	1

Client Sample ID: T-504-KS-10A
Lab Sample ID: 460-256450-23
Date Collected: 04/14/22 10:50
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.19		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 12:57	1

Client Sample ID: T-504-KS-11A
Lab Sample ID: 460-256450-25
Date Collected: 04/14/22 10:55
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.01		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 12:59	1

Client Sample ID: T-504-KS-12A
Lab Sample ID: 460-256450-27
Date Collected: 04/14/22 11:00
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.04		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 13:01	1

Client Sample ID: T-504-KS-13A
Lab Sample ID: 460-256450-29
Date Collected: 04/14/22 11:05
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.36		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 13:04	1

Client Sample ID: T-504-IM-14A
Lab Sample ID: 460-256450-31
Date Collected: 04/14/22 11:10
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 11:22	04/20/22 13:11	1

Client Sample ID: T-504-KS-15A
Lab Sample ID: 460-256450-32
Date Collected: 04/14/22 11:15
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.43**		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:05	1

Client Sample ID: T-504-DW-16A
Lab Sample ID: 460-256450-34
Date Collected: 04/14/22 11:20
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:07	1

Client Sample ID: T-504-DW-17A
Lab Sample ID: 460-256450-36
Date Collected: 04/14/22 11:25
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:10	1

Client Sample ID: T-504-DW-18A
Lab Sample ID: 460-256450-38
Date Collected: 04/14/22 11:30
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:17	1

Client Sample ID: T-504-DW-19A
Lab Sample ID: 460-256450-40
Date Collected: 04/14/22 11:35
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:19	1

Client Sample ID: T-504-DW-20A
Lab Sample ID: 460-256450-42
Date Collected: 04/14/22 11:40
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.64**		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:21	1

Client Sample ID: T-504-KS-21A
Lab Sample ID: 460-256450-44
Date Collected: 04/14/22 11:45
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.67		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:24	1

Client Sample ID: T-504-KS-22A
Lab Sample ID: 460-256450-46
Date Collected: 04/14/22 11:50
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.29		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:26	1

Client Sample ID: T-504-IM-23A
Lab Sample ID: 460-256450-48
Date Collected: 04/14/22 11:55
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:28	1

Client Sample ID: CHA-6
Lab Sample ID: 460-256450-49
Date Collected: 04/14/22 13:05
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:30	1

Client Sample ID: T-504-DW-24A
Lab Sample ID: 460-256450-50
Date Collected: 04/14/22 12:05
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:33	1

Client Sample ID: T-504-DW-25A
Lab Sample ID: 460-256450-52
Date Collected: 04/14/22 12:10
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:35	1

Client Sample ID: T-504-DW-26A
Lab Sample ID: 460-256450-54
Date Collected: 04/14/22 12:15
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 13:58	1

Client: CHA Inc
Job ID: 460-256450-1
Project/Site: Bergen County School District - Technical

Client Sample ID: CHA-5
Lab Sample ID: 460-256450-56
Date Collected: 04/14/22 12:00
Matrix: Water
Date Received: 04/15/22 10:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 14:42	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 460-840208/1-A
Matrix: Water
Analysis Batch: 840247

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 840208

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 11:19	04/20/22 11:54	1

Lab Sample ID: LCS 460-840208/2-A
Matrix: Water
Analysis Batch: 840247

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 840208

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	5.00	5.03		ug/L		101	85 - 115

Lab Sample ID: 460-256450-9 MS
Matrix: Water
Analysis Batch: 840247

Client Sample ID: T-504-WC-27A
Prep Type: Total/NA
Prep Batch: 840208

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	<0.11		5.00	4.55		ug/L		91	70 - 130

Lab Sample ID: 460-256450-9 DU
Matrix: Water
Analysis Batch: 840247

Client Sample ID: T-504-WC-27A
Prep Type: Total/NA
Prep Batch: 840208

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	<0.11		<0.11		ug/L		NC	20

Lab Sample ID: MB 460-840234/1-A
Matrix: Water
Analysis Batch: 840247

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 840234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/20/22 13:16	04/20/22 13:51	1

Lab Sample ID: LCS 460-840234/2-A
Matrix: Water
Analysis Batch: 840247

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 840234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	5.00	5.24		ug/L		105	85 - 115

Lab Sample ID: 460-256450-54 MS
Matrix: Water
Analysis Batch: 840247

Client Sample ID: T-504-DW-26A
Prep Type: Total/NA
Prep Batch: 840234

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	<0.11		5.00	5.08		ug/L		102	70 - 130

Lab Sample ID: 460-256450-54 DU
Matrix: Water
Analysis Batch: 840247

Client Sample ID: T-504-DW-26A
Prep Type: Total/NA
Prep Batch: 840234

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	<0.11		<0.11		ug/L		NC	20

Metals

Prep Batch: 840208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256450-1	T-504-DW-01A	Total/NA	Water	200	
460-256450-3	T-504-DW-02A	Total/NA	Water	200	
460-256450-5	T-504-DW-03A	Total/NA	Water	200	
460-256450-7	T-504-DW-04A	Total/NA	Water	200	
460-256450-9	T-504-WC-27A	Total/NA	Water	200	
460-256450-11	T-504-WC-28A	Total/NA	Water	200	
460-256450-15	T-504-NS-05A	Total/NA	Water	200	
460-256450-17	T-504-TL-06A	Total/NA	Water	200	
460-256450-20	H-200-DW-42A	Total/NA	Water	200	
460-256450-21	T-504-KS-09A	Total/NA	Water	200	
460-256450-23	T-504-KS-10A	Total/NA	Water	200	
460-256450-25	T-504-KS-11A	Total/NA	Water	200	
460-256450-27	T-504-KS-12A	Total/NA	Water	200	
460-256450-29	T-504-KS-13A	Total/NA	Water	200	
460-256450-31	T-504-IM-14A	Total/NA	Water	200	
MB 460-840208/1-A	Method Blank	Total/NA	Water	200	
LCS 460-840208/2-A	Lab Control Sample	Total/NA	Water	200	
460-256450-9 MS	T-504-WC-27A	Total/NA	Water	200	
460-256450-9 DU	T-504-WC-27A	Total/NA	Water	200	

Prep Batch: 840234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256450-32	T-504-KS-15A	Total/NA	Water	200	
460-256450-34	T-504-DW-16A	Total/NA	Water	200	
460-256450-36	T-504-DW-17A	Total/NA	Water	200	
460-256450-38	T-504-DW-18A	Total/NA	Water	200	
460-256450-40	T-504-DW-19A	Total/NA	Water	200	
460-256450-42	T-504-DW-20A	Total/NA	Water	200	
460-256450-44	T-504-KS-21A	Total/NA	Water	200	
460-256450-46	T-504-KS-22A	Total/NA	Water	200	
460-256450-48	T-504-IM-23A	Total/NA	Water	200	
460-256450-49	CHA-6	Total/NA	Water	200	
460-256450-50	T-504-DW-24A	Total/NA	Water	200	
460-256450-52	T-504-DW-25A	Total/NA	Water	200	
460-256450-54	T-504-DW-26A	Total/NA	Water	200	
460-256450-56	CHA-5	Total/NA	Water	200	
MB 460-840234/1-A	Method Blank	Total/NA	Water	200	
LCS 460-840234/2-A	Lab Control Sample	Total/NA	Water	200	
460-256450-54 MS	T-504-DW-26A	Total/NA	Water	200	
460-256450-54 DU	T-504-DW-26A	Total/NA	Water	200	

Analysis Batch: 840247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256450-1	T-504-DW-01A	Total/NA	Water	200.8	840208
460-256450-3	T-504-DW-02A	Total/NA	Water	200.8	840208
460-256450-5	T-504-DW-03A	Total/NA	Water	200.8	840208
460-256450-7	T-504-DW-04A	Total/NA	Water	200.8	840208
460-256450-9	T-504-WC-27A	Total/NA	Water	200.8	840208
460-256450-11	T-504-WC-28A	Total/NA	Water	200.8	840208
460-256450-15	T-504-NS-05A	Total/NA	Water	200.8	840208
460-256450-17	T-504-TL-06A	Total/NA	Water	200.8	840208

Metals (Continued)

Analysis Batch: 840247 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256450-20	H-200-DW-42A	Total/NA	Water	200.8	840208
460-256450-21	T-504-KS-09A	Total/NA	Water	200.8	840208
460-256450-23	T-504-KS-10A	Total/NA	Water	200.8	840208
460-256450-25	T-504-KS-11A	Total/NA	Water	200.8	840208
460-256450-27	T-504-KS-12A	Total/NA	Water	200.8	840208
460-256450-29	T-504-KS-13A	Total/NA	Water	200.8	840208
460-256450-31	T-504-IM-14A	Total/NA	Water	200.8	840208
460-256450-32	T-504-KS-15A	Total/NA	Water	200.8	840234
460-256450-34	T-504-DW-16A	Total/NA	Water	200.8	840234
460-256450-36	T-504-DW-17A	Total/NA	Water	200.8	840234
460-256450-38	T-504-DW-18A	Total/NA	Water	200.8	840234
460-256450-40	T-504-DW-19A	Total/NA	Water	200.8	840234
460-256450-42	T-504-DW-20A	Total/NA	Water	200.8	840234
460-256450-44	T-504-KS-21A	Total/NA	Water	200.8	840234
460-256450-46	T-504-KS-22A	Total/NA	Water	200.8	840234
460-256450-48	T-504-IM-23A	Total/NA	Water	200.8	840234
460-256450-49	CHA-6	Total/NA	Water	200.8	840234
460-256450-50	T-504-DW-24A	Total/NA	Water	200.8	840234
460-256450-52	T-504-DW-25A	Total/NA	Water	200.8	840234
460-256450-54	T-504-DW-26A	Total/NA	Water	200.8	840234
460-256450-56	CHA-5	Total/NA	Water	200.8	840234
MB 460-840208/1-A	Method Blank	Total/NA	Water	200.8	840208
MB 460-840234/1-A	Method Blank	Total/NA	Water	200.8	840234
LCS 460-840208/2-A	Lab Control Sample	Total/NA	Water	200.8	840208
LCS 460-840234/2-A	Lab Control Sample	Total/NA	Water	200.8	840234
460-256450-9 MS	T-504-WC-27A	Total/NA	Water	200.8	840208
460-256450-54 MS	T-504-DW-26A	Total/NA	Water	200.8	840234
460-256450-9 DU	T-504-WC-27A	Total/NA	Water	200.8	840208
460-256450-54 DU	T-504-DW-26A	Total/NA	Water	200.8	840234

Lab Chronicle

Client: CHA Inc
Job ID: 460-256450-1
Project/Site: Bergen County School District - Technical

Client Sample ID: T-504-DW-01A
Lab Sample ID: 460-256450-1
Date Collected: 04/14/22 10:00
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 12:22	YZH	TAL EDI

Client Sample ID: T-504-DW-02A
Lab Sample ID: 460-256450-3
Date Collected: 04/14/22 10:05
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 12:24	YZH	TAL EDI

Client Sample ID: T-504-DW-03A
Lab Sample ID: 460-256450-5
Date Collected: 04/14/22 10:10
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 12:26	YZH	TAL EDI

Client Sample ID: T-504-DW-04A
Lab Sample ID: 460-256450-7
Date Collected: 04/14/22 10:15
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 12:29	YZH	TAL EDI

Client Sample ID: T-504-WC-27A
Lab Sample ID: 460-256450-9
Date Collected: 04/14/22 10:20
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 12:33	YZH	TAL EDI

Client Sample ID: T-504-WC-28A
Lab Sample ID: 460-256450-11
Date Collected: 04/14/22 10:25
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 12:45	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Job ID: 460-256450-1
Project/Site: Bergen County School District - Technical

Client Sample ID: T-504-NS-05A
Lab Sample ID: 460-256450-15
Date Collected: 04/14/22 10:35
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 12:47	YZH	TAL EDI

Client Sample ID: T-504-TL-06A
Lab Sample ID: 460-256450-17
Date Collected: 04/14/22 10:40
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 12:50	YZH	TAL EDI

Client Sample ID: H-200-DW-42A
Lab Sample ID: 460-256450-20
Date Collected: 04/14/22 11:45
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 12:52	YZH	TAL EDI

Client Sample ID: T-504-KS-09A
Lab Sample ID: 460-256450-21
Date Collected: 04/14/22 10:45
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 12:54	YZH	TAL EDI

Client Sample ID: T-504-KS-10A
Lab Sample ID: 460-256450-23
Date Collected: 04/14/22 10:50
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 12:57	YZH	TAL EDI

Client Sample ID: T-504-KS-11A
Lab Sample ID: 460-256450-25
Date Collected: 04/14/22 10:55
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 12:59	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Job ID: 460-256450-1
Project/Site: Bergen County School District - Technical

Client Sample ID: T-504-KS-12A
Lab Sample ID: 460-256450-27
Date Collected: 04/14/22 11:00
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 13:01	YZH	TAL EDI

Client Sample ID: T-504-KS-13A
Lab Sample ID: 460-256450-29
Date Collected: 04/14/22 11:05
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:19	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 13:04	YZH	TAL EDI

Client Sample ID: T-504-IM-14A
Lab Sample ID: 460-256450-31
Date Collected: 04/14/22 11:10
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840208	04/20/22 11:22	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 13:11	YZH	TAL EDI

Client Sample ID: T-504-KS-15A
Lab Sample ID: 460-256450-32
Date Collected: 04/14/22 11:15
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:05	YZH	TAL EDI

Client Sample ID: T-504-DW-16A
Lab Sample ID: 460-256450-34
Date Collected: 04/14/22 11:20
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:07	YZH	TAL EDI

Client Sample ID: T-504-DW-17A
Lab Sample ID: 460-256450-36
Date Collected: 04/14/22 11:25
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:10	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Job ID: 460-256450-1
Project/Site: Bergen County School District - Technical

Client Sample ID: T-504-DW-18A
Lab Sample ID: 460-256450-38
Date Collected: 04/14/22 11:30
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:17	YZH	TAL EDI

Client Sample ID: T-504-DW-19A
Lab Sample ID: 460-256450-40
Date Collected: 04/14/22 11:35
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:19	YZH	TAL EDI

Client Sample ID: T-504-DW-20A
Lab Sample ID: 460-256450-42
Date Collected: 04/14/22 11:40
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:21	YZH	TAL EDI

Client Sample ID: T-504-KS-21A
Lab Sample ID: 460-256450-44
Date Collected: 04/14/22 11:45
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:24	YZH	TAL EDI

Client Sample ID: T-504-KS-22A
Lab Sample ID: 460-256450-46
Date Collected: 04/14/22 11:50
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:26	YZH	TAL EDI

Client Sample ID: T-504-IM-23A
Lab Sample ID: 460-256450-48
Date Collected: 04/14/22 11:55
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:28	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Job ID: 460-256450-1
Project/Site: Bergen County School District - Technical

Client Sample ID: CHA-6
Lab Sample ID: 460-256450-49
Date Collected: 04/14/22 13:05
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:30	YZH	TAL EDI

Client Sample ID: T-504-DW-24A
Lab Sample ID: 460-256450-50
Date Collected: 04/14/22 12:05
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:33	YZH	TAL EDI

Client Sample ID: T-504-DW-25A
Lab Sample ID: 460-256450-52
Date Collected: 04/14/22 12:10
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:35	YZH	TAL EDI

Client Sample ID: T-504-DW-26A
Lab Sample ID: 460-256450-54
Date Collected: 04/14/22 12:15
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 13:58	YZH	TAL EDI

Client Sample ID: CHA-5
Lab Sample ID: 460-256450-56
Date Collected: 04/14/22 12:00
Matrix: Water
Date Received: 04/15/22 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840234	04/20/22 13:16	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840247	04/20/22 14:42	YZH	TAL EDI

Laboratory References:
TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: CHA Inc
Job ID: 460-256450-1
Project/Site: Bergen County School District - Technical

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-23

Method Summary

Client: CHA Inc
Job ID: 460-256450-1
Project/Site: Bergen County School District - Technical

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL EDI
200	Preparation, Metals	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: CHA Inc
Job ID: 460-256450-1
Project/Site: Bergen County School District - Technical

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-256450-1	T-504-DW-01A	Water	04/14/22 10:00	04/15/22 10:10
460-256450-3	T-504-DW-02A	Water	04/14/22 10:05	04/15/22 10:10
460-256450-5	T-504-DW-03A	Water	04/14/22 10:10	04/15/22 10:10
460-256450-7	T-504-DW-04A	Water	04/14/22 10:15	04/15/22 10:10
460-256450-9	T-504-WC-27A	Water	04/14/22 10:20	04/15/22 10:10
460-256450-11	T-504-WC-28A	Water	04/14/22 10:25	04/15/22 10:10
460-256450-15	T-504-NS-05A	Water	04/14/22 10:35	04/15/22 10:10
460-256450-17	T-504-TL-06A	Water	04/14/22 10:40	04/15/22 10:10
460-256450-20	H-200-DW-42A	Water	04/14/22 11:45	04/15/22 10:10
460-256450-21	T-504-KS-09A	Water	04/14/22 10:45	04/15/22 10:10
460-256450-23	T-504-KS-10A	Water	04/14/22 10:50	04/15/22 10:10
460-256450-25	T-504-KS-11A	Water	04/14/22 10:55	04/15/22 10:10
460-256450-27	T-504-KS-12A	Water	04/14/22 11:00	04/15/22 10:10
460-256450-29	T-504-KS-13A	Water	04/14/22 11:05	04/15/22 10:10
460-256450-31	T-504-IM-14A	Water	04/14/22 11:10	04/15/22 10:10
460-256450-32	T-504-KS-15A	Water	04/14/22 11:15	04/15/22 10:10
460-256450-34	T-504-DW-16A	Water	04/14/22 11:20	04/15/22 10:10
460-256450-36	T-504-DW-17A	Water	04/14/22 11:25	04/15/22 10:10
460-256450-38	T-504-DW-18A	Water	04/14/22 11:30	04/15/22 10:10
460-256450-40	T-504-DW-19A	Water	04/14/22 11:35	04/15/22 10:10
460-256450-42	T-504-DW-20A	Water	04/14/22 11:40	04/15/22 10:10
460-256450-44	T-504-KS-21A	Water	04/14/22 11:45	04/15/22 10:10
460-256450-46	T-504-KS-22A	Water	04/14/22 11:50	04/15/22 10:10
460-256450-48	T-504-IM-23A	Water	04/14/22 11:55	04/15/22 10:10
460-256450-49	CHA-6	Water	04/14/22 13:05	04/15/22 10:10
460-256450-50	T-504-DW-24A	Water	04/14/22 12:05	04/15/22 10:10
460-256450-52	T-504-DW-25A	Water	04/14/22 12:10	04/15/22 10:10
460-256450-54	T-504-DW-26A	Water	04/14/22 12:15	04/15/22 10:10
460-256450-56	CHA-5	Water	04/14/22 12:00	04/15/22 10:10

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: C. HURLBURT	Lab PM: Callahan, April R	Carrier Tracking No(s):	COC No: 460-154431-100050.13
Client Contact: Ms. Carrie Robinson	Phone: 203.823.1800	E-Mail: April.Callahan@et.eurofinsus.com	State of Origin: NJ	Page: ~~Page 13 of 20~~ 1/6
Company: CHA Inc	PWSID:			Job #: 256450
Address: III Winners Circle PO BOX 5269	Due Date Requested:			
City: Albany	TAT Requested (days): FIRST DRAW (A samples) - 5 day TAT, FLUSH samples (B) analyzed only on Request @ 10 day TAT			
State, Zip: NY, 12205-0269	Compliance Project: Δ Yes Δ No			
Phone: 518-453-8703(Tel)	PO #: Purchase Order not required			
Email: crobinson@chacompanies.com	WO #:			
Project Name: Bergen County School District - Special	Project #: ~~46037606~~ 31521.2004			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

5-Day RUSH

460-256450 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Pb	Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	D		
H-200-DW-43A				Water					
H-200-DW-43B				Water					
H-200-DW-44A				Water					
H-200-DW-44B				Water					
P-HAZ-KS-01A				Water					
P-HAZ-KS-01B Temp Blank	-	-	-	Water					
T-504-DW-01A	9.14.22	10:00	G	Water			X	1	1
T-504-DW-01B	↓	10:00	↓	Water			↓	H	2
T-504-DW-02A		10:05		Water					3
T-504-DW-02B		10:05		Water				H	4
T-504-DW-03A	↓	10:10	↓	Water			↓		5

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 4.14.22 16:20	Company CHA	Received by: FedEx	Date/Time: 4/15/22 10:10	Company ER
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: ID#9 - 3.1=3.3/0.9=1.1/3.5=3.7

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: C. HURLBURT	Lab PM: Callahan, April R	Carrier Tracking No(s):	COC No: 460-154431-100050.14
Client Contact: Ms. Carrie Robinson	Phone: 203.823.1800	E-Mail: April.Callahan@et.eurofinsus.com	State of Origin: NJ	Page: Page ~~14 of 22~~ 2/6
Company: CHA Inc	PWSID:			Job #: 256450
Address: III Winners Circle PO BOX 5269	Due Date Requested:			
City: Albany	TAT Requested (days): FIRST DRAW SAMPLES (A) 5 day TAT, FLUSH SAMPLES (B) analyzed only on request @ 10 day TAT			
State, Zip: NY, 12205-0269	Compliance Project: Δ Yes Δ No			
Phone: 518-453-8703(Tel)	PO #: Purchase Order not required			
Email: crobinson@chacompanies.com	WO #:			
Project Name: Bergen County School District - Special	Project #: ~~46037606~~ 31521.2009			
Site:	SSOW#:			

Analysis Requested

Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 200.8 - Pb | Total Number of containers

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code:	Special Instructions/Note:
T-504-DW-03B	4.14.22	10:10	G	Water	X	H 6
T-504-DW-04A		10:15		Water		7
T-504-DW-04B		10:15		Water		H 8
T-504-WC-27A		10:20		Water	X	9
T-504-WC-27B		10:20		Water		H 10
T-504-WC-28A		10:25		Water		11
T-504-WC-28B		10:25		Water		H 12
T-504-DW-07A		10:30		Water		13
T-504-DW-07B		10:30		Water		H 14
T-504-NS-05A		10:35		Water		15
T-504-NS-05B		10:35		Water		H 16

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4.14.22 16:20	CHA	FAR/FedEx	4/15/22 10:10	ER
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: ID#9 -3.1=3.3/0.9=1.1/3.5=3.7

5/18/2022

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: C. HURLBURT	Lab PM: Callahan, April R	Carrier Tracking No(s):	COC No: 460-154431-100050.15
Client Contact: Ms. Carrie Robinson	Phone: 203.823.1860	E-Mail: April.Callahan@et.eurofinsus.com	State of Origin: NJ	Page: ~~Page 25 of 22~~ 3/6
Company: CHA Inc	PWSID:			Job #: 256450
Address: III Winners Circle PO BOX 5269	Due Date Requested:			
City: Albany	TAT Requested (days): FIRST DRAW SAMPLES (A) 5 day TAT, FLUSH samples (B) analyze only on request @ 10 day TAT			
State, Zip: NY, 12205-0269	Compliance Project: Δ Yes Δ No			
Phone: 518-453-8703(Tel)	PO #: Purchase Order not required			
Email: crobinson@chacompanies.com	WO #:			
Project Name: Bergen County School District - Special	Project #: ~~46037000~~ 31521.2009			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Pb	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		
T-504-TL-06A	4.14.22	10:40	G	Water			X	1	17
T-504-TL-06B	4.14.22	10:40		Water				1	H 18
~~T-504-TL-09A~~ H-200-DW-42B	4.13.22	11:45		Water				1	H 19
T-504-TL-08B H-200-DW-42A	4.13.22	11:45		Water					20
T-504-KS-09A	4.14.22	10:45		Water					21
T-504-KS-09B		10:45		Water				1	H 22
T-504-KS-10A		10:50		Water					23
T-504-KS-10B		10:50		Water				1	H 24
T-504-KS-11A		10:55		Water					25
T-504-KS-11B		10:55		Water				1	H 26
T-504-KS-12A		11:00		Water					27

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4.14.22 16:20	CHA	~~FedEx~~/FedEx	4/15/22 10:10	ER
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: ID#9-3.1=3.3/0.9=1.1/3.5=3.7

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: C. HURLBURT	Lab PM: Callahan, April R	Carrier Tracking No(s):	COC No: 460-154431-100050.16
Client Contact: Ms. Carrie Robinson	Phone: 203.823.1800	E-Mail: April.Callahan@et.eurofinsus.com	State of Origin: NJ	Page: Page ~~46 of 22~~ 4/6
Company: CHA Inc	PWSID:			Job #: 256450
Address: III Winners Circle PO BOX 5269	Due Date Requested:			
City: Albany	TAT Requested (days): First Draw Samples (A) 5 day TAT - Flush samples (B) analyzed only on request @ 10 day TAT			
State, Zip: NY, 12205-0269	Compliance Project: Δ Yes Δ No			
Phone: 518-453-8703(Tel)	PO #: Purchase Order not required			
Email: crobinson@chacompanies.com	WO #:			
Project Name: Bergen County School District - Special	Project #: ~~40037606~~ 31521.2004			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Pb	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	D		
T-504-KS-12B	4.14.22	11:00	G	Water			X	1	H 28
T-504-KS-13A		11:05		Water					29
T-504-KS-13B		11:05		Water					H 30
T-504-IM-14A		11:10		Water					31
T-504-KS-15A		11:15		Water					32
T-504-KS-15B		11:15		Water					H 33
T-504-DW-16A		11:20		Water					34
T-504-DW-16B		11:20		Water					H 35
T-504-DW-17A		11:25		Water					36
T-504-DW-17B		11:25		Water					H 37
T-504-DW-18A		11:30		Water					38

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	4.14.22 16:20	CHA	~~FedEx~~/FedEX	4/15/22 10:10	ER
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: ID#9 - 3.1=3.3/0.9=1.1/3.5=3.7

Ver: 06/08/2021

5/18/2022

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: C. HURLBURT	Lab PM: Callahan, April R	Carrier Tracking No(s):	COC No: 460-154431-100050.17
Client Contact: Ms. Carrie Robinson	Phone: 203.823.1800	E-Mail: April.Callahan@et.eurofinsus.com	State of Origin: NJ	Page: Page ~~17 of 22~~ 5/6
Company: CHA Inc	PWSID:			Job #: 256450
Address: III Winners Circle PO BOX 5269	Due Date Requested:			
City: Albany	TAT Requested (days): FIRST DRAW SAMPLES (A) 5 day TAT - FLUSH SAMPLES (B) analyze only on request @ 10 day TAT			
State, Zip: NY, 12205-0269	Compliance Project: Δ Yes Δ No			
Phone: 518-453-8703(Tel)	PO #: Purchase Order not required			
Email: crobinson@chacompanies.com	WO #:			
Project Name: Bergen County School District - Special	Project #: ~~46037606~~ 31521.2004			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Pb	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		
T-504-DW-18B	4.14.22	11:30	G	Water			X	1	H 39
T-504-DW-19A		11:35		Water					40
T-504-DW-19B		11:35		Water				1	H 41
T-504-DW-20A		11:40		Water					42
T-504-DW-20B		11:40		Water				1	H 43
T-504-KS-21A		11:45		Water					44
T-504-KS-21B		11:45		Water				1	H 45
T-504-KS-22A		11:50		Water					46
T-504-KS-22B		11:50		Water				1	H 47
T-504-IM-23A		11:55		Water				1	48
~~T-504-IM-23B~~ CHA-6	4.14.22	13:05	G	Water			X	1	49

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4.14.22 16:20	CHA	FedEx	4/15/22 10:10	ER
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: ~~ID~~ #9 - 3.1=3.3/0.9=1.1/3.5=3.7

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: C. HURLBURT	Lab PM: Callahan, April R	Carrier Tracking No(s):	COC No: 460-154431-100050.18
Client Contact: Ms. Carrie Robinson	Phone: 203.823.1800	E-Mail: April.Callahan@et.eurofinsus.com	State of Origin: NJ	Page: Page ~~18 of 22~~ 6/16
Company: CHA Inc	PWSID:			Job #: 256450
Address: III Winners Circle PO BOX 5269	Due Date Requested:			
City: Albany	TAT Requested (days): FIRST DRAW SAMPLES (A), 5 day TAT, FLUSH SAMPLES (B) analyzed only on Request @ 10 day TAT			
State, Zip: NY, 12205-0269	Compliance Project: Δ Yes Δ No			
Phone: 518-453-8703(Tel)	PO #: Purchase Order not required			
Email: crobinson@chacompanies.com	WO #:			
Project Name: Bergen County School District - Special	Project #: ~~46037000~~ 31521.2009			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD	200.8 - Pb	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		
T-504-DW-24A	4.14.22	12:05	G	Water			X	1	50
T-504-DW-24B		12:05		Water				H	51
T-504-DW-25A		12:10		Water					52
T-504-DW-25B		12:10		Water				H	53
T-504-DW-26A		12:15		Water		X			54
T-504-DW-26B		12:15		Water				H	55
~~P-275-KS-12A~~ MS-5		10:20		Water					~~56~~ 9
~~P-275-KS-12B~~ MSD-5		10:20		Water					~~57~~ 9
~~P-275-IM-16A~~ MS-6		12:15		Water					~~58~~ 54
~~P-275-KS-13A~~ MS-6		12:15		Water					~~59~~ 54
~~P-275-KS-13B~~ CHA-5		12:00		Water					~~60~~ 56

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4.14.22 16:20	CHA	FedEx	4/15/22 10:10	ER
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: ~~IR~~ #9 - 3.1 = 3.3 / 0.9 = 1.1 / 3.5 = 3.7

5/18/2022

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 256450

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.1 °C	3.3 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	0.9 °C	1.1 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	3.5 °C	3.7 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2											
2				<2											
3				<2											
4				<2											
5				<2											
6				<2											
7				<2											
8				<2											
9				<2											
10				<2											
11				<2											
12				<2											
13				[redacted]											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: FT **Date:** 4/15/22

5/18/2022

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 256450

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.1 °C	3.3 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	0.9 °C	1.1 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	3.5 °C	3.7 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
14				<2											
15				<2											
16				<2											
17				<2											
18				<2											
19				<2											
20				<2											
21				<2											
22				<2											
23				<2											
24				<2											
25				<2											
26				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: AC Date: 4/16/22

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 256450

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.1 °C	3.3 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	0.9 °C	1.1 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	3.5 °C	3.7 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
27				<2											
28				<2											
29				<2											
30				<2											
31				<2											
32				<2											
33				<2											
34				<2											
35				<2											
36				<2											
37				<2											
38				<2											
39				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: AC Date: 4/16/22

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 256450

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.1 °C	3.3 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	0.9 °C	1.1 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	3.5 °C	3.7 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
40				<2											
41				<2											
42				<2											
43				<2											
44				<2											
45				<2											
46				<2											
47				<2											
48				<2											
49				<2											
50				<2											
51				<2											
52				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: AC Date: 4/16/22

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 256450

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.1 °C	3.3 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	0.9 °C	1.1 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	3.5 °C	3.7 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
53				<2											
54				<2											
55				<2											
56				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: AC Date: 4/16/22

Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 460-256450-1

Login Number: 256450
List Number: 1
Creator: Casallas, Angela C

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

LABORATORY REPORTS

Vocational School

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-256247-1
Client Project/Site: Bergen County School District - Technical

For:
CHA Inc
III Winners Circle
PO BOX 5269
Albany, New York 12205-0269

Attn: Ms. Carrie Robinson

Authorized for release by:
5/18/2022 9:11:58 AM

April Callahan, Project Manager
(732)549-3900
April.Callahan@et.eurofinsus.com

Table of Contents

Definitions/Glossary

Client: CHA Inc
Job ID: 460-256247-1
Project/Site: Bergen County School District - Technical

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: CHA Inc
Job ID: 460-256247-1
Project/Site: Bergen County School District - Technical

Job ID: 460-256247-1

Laboratory: Eurofins Edison

Narrative

Job Narrative
460-256247-1

Comments
No additional comments.

Receipt
The samples were received on 4/12/2022 4:21 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.3º C.

Receipt Exceptions

The following samples were listed on the Chain of Custody (COC); however, no samples were received: P-275-KS-06A (460-256247-32) and P-275-KS-06B (460-256247-33).

The following sample was activated by the client on 4/15: P-275-NS-20B (460-256247-17).

Remaining holds were canceled by the client on 5/16: P-275-KS-12A (460-256247-1), P-275-KS-12B (460-256247-2), P-275-IM-16A (460-256247-3), P-275-KS-13A (460-256247-4), P-275-KS-13B (460-256247-5), P-275-KS-14A (460-256247-6), P-275-KS-14B (460-256247-7), P-275-KS-25A (460-256247-8), P-275-KS-25B (460-256247-9), P-275-KS-15A (460-256247-10), P-275-KS-15B (460-256247-11), P-275-KS-19A (460-256247-12), P-275-KS-19B (460-256247-13), P-275-DW-17A (460-256247-14), P-275-DW-17B (460-256247-15), P-275-NS-20A (460-256247-16), P-275-NS-20B (460-256247-17), P-275-DW-11A (460-256247-18), P-275-DW-11B (460-256247-19), P-275-DW-10A (460-256247-20), P-275-DW-10B (460-256247-21), P-275-KS-21A (460-256247-22), P-275-KS-21B (460-256247-23), P-275-KS-01A (460-256247-24), P-275-KS-01A (460-256247-24[DU]), P-275-KS-01A (460-256247-24[MS]), P-275-KS-01B (460-256247-25), P-275-KS-02A (460-256247-26), P-275-KS-02B (460-256247-27), P-275-KS-03A (460-256247-28), P-275-KS-03B (460-256247-29), P-275-KS-05A (460-256247-30), P-275-KS-05B (460-256247-31), P-275-KS-06A (460-256247-32), P-275-KS-06B (460-256247-33), P-275-IM-04A (460-256247-34), P-275-DW-07A (460-256247-35), P-275-DW-07B (460-256247-36), P-275-DW-08A (460-256247-37), P-275-DW-08B (460-256247-38) and CHA-1A (460-256247-39).

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: CHA Inc
Job ID: 460-256247-1
Project/Site: Bergen County School District - Technical

Client Sample ID: P-275-KS-12A — Lab Sample ID: 460-256247-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.12		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-275-IM-16A — Lab Sample ID: 460-256247-3

No Detections.

Client Sample ID: P-275-KS-13A — Lab Sample ID: 460-256247-4

No Detections.

Client Sample ID: P-275-KS-14A — Lab Sample ID: 460-256247-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.34		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-275-KS-25A — Lab Sample ID: 460-256247-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.60		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-275-KS-15A — Lab Sample ID: 460-256247-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.52		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-275-KS-19A — Lab Sample ID: 460-256247-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.68		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-275-DW-17A — Lab Sample ID: 460-256247-14

No Detections.

Client Sample ID: P-275-NS-20A — Lab Sample ID: 460-256247-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1770		20.0	1.13	ug/L	10		200.8	Total/NA

Client Sample ID: P-275-NS-20B — Lab Sample ID: 460-256247-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.23		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-275-DW-11A — Lab Sample ID: 460-256247-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.16		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-275-DW-10A — Lab Sample ID: 460-256247-20

No Detections.

Client Sample ID: P-275-KS-21A — Lab Sample ID: 460-256247-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.60		2.00	0.11	ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

Client: CHA Inc
Job ID: 460-256247-1
Project/Site: Bergen County School District - Technical

Client Sample ID: P-275-KS-01A — Lab Sample ID: 460-256247-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.66		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-275-KS-02A — Lab Sample ID: 460-256247-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.65		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-275-KS-03A — Lab Sample ID: 460-256247-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.93		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-275-KS-05A — Lab Sample ID: 460-256247-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.28		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-275-IM-04A — Lab Sample ID: 460-256247-34

No Detections.

Client Sample ID: P-275-DW-07A — Lab Sample ID: 460-256247-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	12.3		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-275-DW-08A — Lab Sample ID: 460-256247-37

No Detections.

Client Sample ID: CHA-1A — Lab Sample ID: 460-256247-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.17		2.00	0.11	ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P-275-KS-12A
Lab Sample ID: 460-256247-1
Date Collected: 04/12/22 11:30
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.12		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 15:34	1

Client Sample ID: P-275-IM-16A
Lab Sample ID: 460-256247-3
Date Collected: 04/12/22 11:35
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 15:36	1

Client Sample ID: P-275-KS-13A
Lab Sample ID: 460-256247-4
Date Collected: 04/12/22 11:40
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 15:39	1

Client Sample ID: P-275-KS-14A
Lab Sample ID: 460-256247-6
Date Collected: 04/12/22 11:45
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.34		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 15:41	1

Client Sample ID: P-275-KS-25A
Lab Sample ID: 460-256247-8
Date Collected: 04/12/22 11:50
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.60		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 15:43	1

Client Sample ID: P-275-KS-15A
Lab Sample ID: 460-256247-10
Date Collected: 04/12/22 12:00
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.52		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 15:46	1

Client Sample ID: P-275-KS-19A
Lab Sample ID: 460-256247-12
Date Collected: 04/12/22 12:05
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.68		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 15:48	1

Client Sample ID: P-275-DW-17A
Lab Sample ID: 460-256247-14
Date Collected: 04/12/22 12:10
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 15:50	1

Client Sample ID: P-275-NS-20A
Lab Sample ID: 460-256247-16
Date Collected: 04/12/22 12:15
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**1770**		20.0	1.13	ug/L		04/18/22 14:07	04/18/22 18:16	10

Client Sample ID: P-275-NS-20B
Lab Sample ID: 460-256247-17
Date Collected: 04/12/22 12:15
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.23**		2.00	0.11	ug/L		04/21/22 16:42	04/21/22 18:37	1

Client Sample ID: P-275-DW-11A
Lab Sample ID: 460-256247-18
Date Collected: 04/12/22 12:30
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.16**		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 15:59	1

Client Sample ID: P-275-DW-10A
Lab Sample ID: 460-256247-20
Date Collected: 04/12/22 12:35
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 16:02	1

Client Sample ID: P-275-KS-21A
Lab Sample ID: 460-256247-22
Date Collected: 04/12/22 12:40
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.60**		2.00	0.11	ug/L		04/18/22 14:17	04/18/22 16:04	1

Client Sample ID: P-275-KS-01A
Lab Sample ID: 460-256247-24
Date Collected: 04/12/22 12:45
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.66**		2.00	0.11	ug/L		04/18/22 14:17	04/18/22 16:09	1

Client Sample ID: P-275-KS-02A
Lab Sample ID: 460-256247-26
Date Collected: 04/12/22 12:50
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.65		2.00	0.11	ug/L		04/18/22 14:17	04/18/22 16:13	1

Client Sample ID: P-275-KS-03A
Lab Sample ID: 460-256247-28
Date Collected: 04/12/22 13:00
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.93		2.00	0.11	ug/L		04/18/22 14:17	04/18/22 16:16	1

Client Sample ID: P-275-KS-05A
Lab Sample ID: 460-256247-30
Date Collected: 04/12/22 13:05
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.28		2.00	0.11	ug/L		04/18/22 16:36	04/18/22 17:22	1

Client Sample ID: P-275-IM-04A
Lab Sample ID: 460-256247-34
Date Collected: 04/12/22 13:15
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/18/22 16:36	04/18/22 17:28	1

Client Sample ID: P-275-DW-07A
Lab Sample ID: 460-256247-35
Date Collected: 04/12/22 13:20
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12.3		2.00	0.11	ug/L		04/18/22 16:36	04/18/22 17:31	1

Client Sample ID: P-275-DW-08A
Lab Sample ID: 460-256247-37
Date Collected: 04/12/22 13:25
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/18/22 16:36	04/18/22 17:33	1

Client Sample ID: CHA-1A
Lab Sample ID: 460-256247-39
Date Collected: 04/12/22 14:45
Matrix: Water
Date Received: 04/12/22 16:21

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.17		2.00	0.11	ug/L		04/18/22 16:36	04/18/22 17:38	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 460-839796/1-A
Matrix: Water
Analysis Batch: 839824

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 839796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/18/22 14:07	04/18/22 15:07	1

Lab Sample ID: LCS 460-839796/2-A
Matrix: Water
Analysis Batch: 839824

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 839796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	5.00	4.63		ug/L		93	85 - 115

Lab Sample ID: 460-256247-24 MS
Matrix: Water
Analysis Batch: 839824

Client Sample ID: P-275-KS-01A
Prep Type: Total/NA
Prep Batch: 839796

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.66		5.00	5.08		ug/L		88	70 - 130

Lab Sample ID: 460-256247-24 DU
Matrix: Water
Analysis Batch: 839824

Client Sample ID: P-275-KS-01A
Prep Type: Total/NA
Prep Batch: 839796

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	0.66		0.68		ug/L		2	20

Lab Sample ID: MB 460-839825/1-A
Matrix: Water
Analysis Batch: 839824

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 839825

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/18/22 16:36	04/18/22 17:03	1

Lab Sample ID: LCS 460-839825/2-A
Matrix: Water
Analysis Batch: 839824

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 839825

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	5.00	4.55		ug/L		91	85 - 115

Lab Sample ID: MB 460-840507/1-A
Matrix: Water
Analysis Batch: 840509

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 840507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		04/21/22 16:42	04/21/22 18:11	1

Lab Sample ID: LCS 460-840507/2-A
Matrix: Water
Analysis Batch: 840509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 840507

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	5.00	4.87		ug/L		97	85 - 115

Metals

Prep Batch: 839796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256247-1	P-275-KS-12A	Total/NA	Water	200	
460-256247-3	P-275-IM-16A	Total/NA	Water	200	
460-256247-4	P-275-KS-13A	Total/NA	Water	200	
460-256247-6	P-275-KS-14A	Total/NA	Water	200	
460-256247-8	P-275-KS-25A	Total/NA	Water	200	
460-256247-10	P-275-KS-15A	Total/NA	Water	200	
460-256247-12	P-275-KS-19A	Total/NA	Water	200	
460-256247-14	P-275-DW-17A	Total/NA	Water	200	
460-256247-16	P-275-NS-20A	Total/NA	Water	200	
460-256247-18	P-275-DW-11A	Total/NA	Water	200	
460-256247-20	P-275-DW-10A	Total/NA	Water	200	
460-256247-22	P-275-KS-21A	Total/NA	Water	200	
460-256247-24	P-275-KS-01A	Total/NA	Water	200	
460-256247-26	P-275-KS-02A	Total/NA	Water	200	
460-256247-28	P-275-KS-03A	Total/NA	Water	200	
MB 460-839796/1-A	Method Blank	Total/NA	Water	200	
LCS 460-839796/2-A	Lab Control Sample	Total/NA	Water	200	
460-256247-24 MS	P-275-KS-01A	Total/NA	Water	200	
460-256247-24 DU	P-275-KS-01A	Total/NA	Water	200	

Analysis Batch: 839824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256247-1	P-275-KS-12A	Total/NA	Water	200.8	839796
460-256247-3	P-275-IM-16A	Total/NA	Water	200.8	839796
460-256247-4	P-275-KS-13A	Total/NA	Water	200.8	839796
460-256247-6	P-275-KS-14A	Total/NA	Water	200.8	839796
460-256247-8	P-275-KS-25A	Total/NA	Water	200.8	839796
460-256247-10	P-275-KS-15A	Total/NA	Water	200.8	839796
460-256247-12	P-275-KS-19A	Total/NA	Water	200.8	839796
460-256247-14	P-275-DW-17A	Total/NA	Water	200.8	839796
460-256247-16	P-275-NS-20A	Total/NA	Water	200.8	839796
460-256247-18	P-275-DW-11A	Total/NA	Water	200.8	839796
460-256247-20	P-275-DW-10A	Total/NA	Water	200.8	839796
460-256247-22	P-275-KS-21A	Total/NA	Water	200.8	839796
460-256247-24	P-275-KS-01A	Total/NA	Water	200.8	839796
460-256247-26	P-275-KS-02A	Total/NA	Water	200.8	839796
460-256247-28	P-275-KS-03A	Total/NA	Water	200.8	839796
460-256247-30	P-275-KS-05A	Total/NA	Water	200.8	839825
460-256247-34	P-275-IM-04A	Total/NA	Water	200.8	839825
460-256247-35	P-275-DW-07A	Total/NA	Water	200.8	839825
460-256247-37	P-275-DW-08A	Total/NA	Water	200.8	839825
460-256247-39	CHA-1A	Total/NA	Water	200.8	839825
MB 460-839796/1-A	Method Blank	Total/NA	Water	200.8	839796
MB 460-839825/1-A	Method Blank	Total/NA	Water	200.8	839825
LCS 460-839796/2-A	Lab Control Sample	Total/NA	Water	200.8	839796
LCS 460-839825/2-A	Lab Control Sample	Total/NA	Water	200.8	839825
460-256247-24 MS	P-275-KS-01A	Total/NA	Water	200.8	839796
460-256247-24 DU	P-275-KS-01A	Total/NA	Water	200.8	839796

QC Association Summary

Client: CHA Inc
Job ID: 460-256247-1
Project/Site: Bergen County School District - Technical

Metals

Prep Batch: 839825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256247-30	P-275-KS-05A	Total/NA	Water	200	
460-256247-34	P-275-IM-04A	Total/NA	Water	200	
460-256247-35	P-275-DW-07A	Total/NA	Water	200	
460-256247-37	P-275-DW-08A	Total/NA	Water	200	
460-256247-39	CHA-1A	Total/NA	Water	200	
MB 460-839825/1-A	Method Blank	Total/NA	Water	200	
LCS 460-839825/2-A	Lab Control Sample	Total/NA	Water	200	

Prep Batch: 840507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256247-17	P-275-NS-20B	Total/NA	Water	200	
MB 460-840507/1-A	Method Blank	Total/NA	Water	200	
LCS 460-840507/2-A	Lab Control Sample	Total/NA	Water	200	

Analysis Batch: 840509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-256247-17	P-275-NS-20B	Total/NA	Water	200.8	840507
MB 460-840507/1-A	Method Blank	Total/NA	Water	200.8	840507
LCS 460-840507/2-A	Lab Control Sample	Total/NA	Water	200.8	840507

Lab Chronicle

Client: CHA Inc
Job ID: 460-256247-1
Project/Site: Bergen County School District - Technical

Client Sample ID: P-275-KS-12A
Lab Sample ID: 460-256247-1
Date Collected: 04/12/22 11:30
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:07	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 15:34	YZH	TAL EDI

Client Sample ID: P-275-IM-16A
Lab Sample ID: 460-256247-3
Date Collected: 04/12/22 11:35
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:07	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 15:36	YZH	TAL EDI

Client Sample ID: P-275-KS-13A
Lab Sample ID: 460-256247-4
Date Collected: 04/12/22 11:40
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:07	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 15:39	YZH	TAL EDI

Client Sample ID: P-275-KS-14A
Lab Sample ID: 460-256247-6
Date Collected: 04/12/22 11:45
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:07	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 15:41	YZH	TAL EDI

Client Sample ID: P-275-KS-25A
Lab Sample ID: 460-256247-8
Date Collected: 04/12/22 11:50
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:07	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 15:43	YZH	TAL EDI

Client Sample ID: P-275-KS-15A
Lab Sample ID: 460-256247-10
Date Collected: 04/12/22 12:00
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:07	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 15:46	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Job ID: 460-256247-1
Project/Site: Bergen County School District - Technical

Client Sample ID: P-275-KS-19A
Lab Sample ID: 460-256247-12
Date Collected: 04/12/22 12:05
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:07	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 15:48	YZH	TAL EDI

Client Sample ID: P-275-DW-17A
Lab Sample ID: 460-256247-14
Date Collected: 04/12/22 12:10
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:07	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 15:50	YZH	TAL EDI

Client Sample ID: P-275-NS-20A
Lab Sample ID: 460-256247-16
Date Collected: 04/12/22 12:15
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:07	YZH	TAL EDI
Total/NA	Analysis	200.8		10	839824	04/18/22 18:16	YZH	TAL EDI

Client Sample ID: P-275-NS-20B
Lab Sample ID: 460-256247-17
Date Collected: 04/12/22 12:15
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			840507	04/21/22 16:42	YZH	TAL EDI
Total/NA	Analysis	200.8		1	840509	04/21/22 18:37	YZH	TAL EDI

Client Sample ID: P-275-DW-11A
Lab Sample ID: 460-256247-18
Date Collected: 04/12/22 12:30
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:07	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 15:59	YZH	TAL EDI

Client Sample ID: P-275-DW-10A
Lab Sample ID: 460-256247-20
Date Collected: 04/12/22 12:35
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:07	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 16:02	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Job ID: 460-256247-1
Project/Site: Bergen County School District - Technical

Client Sample ID: P-275-KS-21A
Lab Sample ID: 460-256247-22
Date Collected: 04/12/22 12:40
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:17	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 16:04	YZH	TAL EDI

Client Sample ID: P-275-KS-01A
Lab Sample ID: 460-256247-24
Date Collected: 04/12/22 12:45
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:17	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 16:09	YZH	TAL EDI

Client Sample ID: P-275-KS-02A
Lab Sample ID: 460-256247-26
Date Collected: 04/12/22 12:50
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:17	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 16:13	YZH	TAL EDI

Client Sample ID: P-275-KS-03A
Lab Sample ID: 460-256247-28
Date Collected: 04/12/22 13:00
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839796	04/18/22 14:17	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 16:16	YZH	TAL EDI

Client Sample ID: P-275-KS-05A
Lab Sample ID: 460-256247-30
Date Collected: 04/12/22 13:05
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839825	04/18/22 16:36	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 17:22	YZH	TAL EDI

Client Sample ID: P-275-IM-04A
Lab Sample ID: 460-256247-34
Date Collected: 04/12/22 13:15
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839825	04/18/22 16:36	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 17:28	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Job ID: 460-256247-1
Project/Site: Bergen County School District - Technical

Client Sample ID: P-275-DW-07A
Lab Sample ID: 460-256247-35
Date Collected: 04/12/22 13:20
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839825	04/18/22 16:36	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 17:31	YZH	TAL EDI

Client Sample ID: P-275-DW-08A
Lab Sample ID: 460-256247-37
Date Collected: 04/12/22 13:25
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839825	04/18/22 16:36	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 17:33	YZH	TAL EDI

Client Sample ID: CHA-1A
Lab Sample ID: 460-256247-39
Date Collected: 04/12/22 14:45
Matrix: Water
Date Received: 04/12/22 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			839825	04/18/22 16:36	YZH	TAL EDI
Total/NA	Analysis	200.8		1	839824	04/18/22 17:38	YZH	TAL EDI

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: CHA Inc
Job ID: 460-256247-1
Project/Site: Bergen County School District - Technical

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-23

Method Summary

Client: CHA Inc
Job ID: 460-256247-1
Project/Site: Bergen County School District - Technical

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL EDI
200	Preparation, Metals	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: CHA Inc
Job ID: 460-256247-1
Project/Site: Bergen County School District - Technical

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-256247-1	P-275-KS-12A	Water	04/12/22 11:30	04/12/22 16:21
460-256247-3	P-275-IM-16A	Water	04/12/22 11:35	04/12/22 16:21
460-256247-4	P-275-KS-13A	Water	04/12/22 11:40	04/12/22 16:21
460-256247-6	P-275-KS-14A	Water	04/12/22 11:45	04/12/22 16:21
460-256247-8	P-275-KS-25A	Water	04/12/22 11:50	04/12/22 16:21
460-256247-10	P-275-KS-15A	Water	04/12/22 12:00	04/12/22 16:21
460-256247-12	P-275-KS-19A	Water	04/12/22 12:05	04/12/22 16:21
460-256247-14	P-275-DW-17A	Water	04/12/22 12:10	04/12/22 16:21
460-256247-16	P-275-NS-20A	Water	04/12/22 12:15	04/12/22 16:21
460-256247-17	P-275-NS-20B	Water	04/12/22 12:15	04/12/22 16:21
460-256247-18	P-275-DW-11A	Water	04/12/22 12:30	04/12/22 16:21
460-256247-20	P-275-DW-10A	Water	04/12/22 12:35	04/12/22 16:21
460-256247-22	P-275-KS-21A	Water	04/12/22 12:40	04/12/22 16:21
460-256247-24	P-275-KS-01A	Water	04/12/22 12:45	04/12/22 16:21
460-256247-26	P-275-KS-02A	Water	04/12/22 12:50	04/12/22 16:21
460-256247-28	P-275-KS-03A	Water	04/12/22 13:00	04/12/22 16:21
460-256247-30	P-275-KS-05A	Water	04/12/22 13:05	04/12/22 16:21
460-256247-34	P-275-IM-04A	Water	04/12/22 13:15	04/12/22 16:21
460-256247-35	P-275-DW-07A	Water	04/12/22 13:20	04/12/22 16:21
460-256247-37	P-275-DW-08A	Water	04/12/22 13:25	04/12/22 16:21
460-256247-39	CHA-1A	Water	04/12/22 14:45	04/12/22 16:21

Eurofins TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

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Client Information	Sampler: C. HURLBURT	Lab PM: April Callahan	Carrier Tracking No(s):	COC No:
Client Contact: Seth Fowler/Carrie Robinson	Phone: 203.823.1800	E-Mail:		Page: 1 of 4
Company: CHA				Job #: 31521.2004 256247
Address: 3 Winners Circle	Due Date Requested:		Analysis Requested	
City: Albany	TAT Requested (days): First Draw Samples (A) - 5 day TAT; Flush Samples (B) analyzed only on request at 10 day TAT			
State, Zip: NY	PO #: 31521			
Phone: 12205	WO #:			
Email: sfowler@chacompanies.com; crobinson@chacompanies.com				
Project Name: Bergen County Special Services District	Project #:			
Site:	SSOW#:			

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA

5-Day RUSH

460-256247 Chain of Custody

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Pb	Total #	Special Instructions/Note:
			Preservation Code:						
P-275-KS-12A	4.12.22	11:30	G	W			X		1
P-275-KS-12B		11:30						H	2
P-275-1M-16A		11:35							3
P-275-KS-13A		11:40							4
P-275-KS-13B		11:40						H	5
P-275-KS-14A		11:45							6
P-275-KS-14B		11:45						H	7
P-275-KS-25A		11:50							8
P-275-KS-25B		11:50						H	9
P-275-KS-15A		12:00							10
P-275-KS-15B		12:00						H	11

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Hold all samples ending with "B" until direction from CHA**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4-12-22 15:00	CHA		04/12/22 15:00	
2		04/12/22 16:21			4/12/22 1621	TAL
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 21-2-5	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: C HURLBURT	Lab PM: April Callahan	Carrier Tracking No(s):	COC No:
Client Contact: Seth Fowler/Carrie Robinson	Phone: 203.823.1800	E-Mail:		Page: 2 of 4
Company: CHA				Job #: 31521.2004 25647

Address: 3 Winners Circle	Due Date Requested:
City: Albany	TAT Requested (days): First Draw Samples (A) - 5 day TAT; Flush Samples (B) analyzed only on request at 10 day TAT
State, Zip: NY	PO #: 31521
Phone: 12205	WO #:
Email: sfowler@chacompanies.com; crobinson@chacompanies.com	Project #:
Project Name: Bergen County Special Services District	SSOW#:
Site:	

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - ph 4-5; Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Pb	Total Number of containers	Special Instructions/Note:
Preservation Code:									
~~P-275-TM-18A~~								~~2~~ CH	
P-275-KS-19A	4.12.22	12:05	G	W			X	1	12
P-275-KS-19B		12:05						H	13
P-275-DW-17A		12:10							14
P-275-DW-17B		12:10						H	15
P-275-NS-20A		12:15							16
P-275-NS-20B		12:15						H	17
P-275-DW-11A		12:30							18
P-275-DW-11B		12:30						H	19
P-275-DW-10A		12:35							20
P-275-DW-10B		12:35						H	21

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements: **Hold all samples ending with "B" until direction from CHA**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	4.12.22 15:00	CHA		04/12/22	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	04/12/22 16:21	TAL		4/12/22 16:21	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 2-1-2-3	Cooler Temperature(s) °C and Other Remarks:

Page 21 of 26

5/18/2022

Eurofins TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

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Client Information	Sampler: C HURLBURT	Lab PM: April Callahan	Carrier Tracking No(s):	COC No:
Client Contact: Seth Fowler/Carrie Robinson	Phone: 203.823.1800	E-Mail:		Page: 3 of 4
Company: CHA				Job #: 315212004 25624 7
Address: 3 Winners Circle	Due Date Requested:			
City: Albany	TAT Requested (days): First Draw Samples (A) - 5 day TAT; Flush Samples (B) analyzed only on request at 10 day TAT			
State, Zip: NY				
Phone: 12205	PO #: 31521			
Email: sfowler@chacompanies.com; crobinson@chacompanies.com	WO #:			
Project Name: Bergen County Special Services District	Project #:			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Pb	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
P-275-KS-21A	4.12.22	12:40	G	W			X	1	22
P-275-KS-21B		12:45						1	H 23
P-275-KS-01A		12:45							24
P-275-KS-01B		12:45							H 25
P-275-KS-02A		12:50							26
P-275-KS-02B		12:50							H 27
P-275-KS-03A		13:00							28
P-275-KS-03B		13:00							H 29
P-275-KS-05A		13:05							30
P-275-KS-05B		13:05							H 31
P-275-KS-06A		13:10							32

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Hold all samples ending with "B" until direction from CHA**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4.12.22 15:00	CHA		04/14/22	
2		04/14/22 16:4			4/12/22 1621	FedEx
3						

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.: 2-1-2-3	Cooler Temperature(s) °C and Other Remarks:

Page 22 of 26

5/18/2022

Eurofins TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: C Hurlburt	Lab PM: April Callahan	Carrier Tracking No(s):	COC No:
Client Contact: Seth Fowler/Carrie Robinson	Phone: 203.823.1800	E-Mail:		Page: 4 of 4
Company: CHA				Job #: 31521.2004 25624

Address: 3 Winners Circle	Due Date Requested:	
City: Albany	TAT Requested (days): First Draw Samples (A) - 5 day TAT; Flush Samples (B) analyzed only on request at 10 day TAT	
State, Zip: NY	PO #: 31521	
Phone: 12205	WO #:	
Email: sfowler@chacompanies.com; crobinson@chacompanies.com		
Project Name: Bergen County Special Services District	Project #:	
Site:	SSOW#:	

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Pb	Total Number of containers	Special Instructions/Note:
Preservation Code:									
P-275-KS-06B	4.12.22	13:10	G	W			X	1	H 33
P-275-1M-04A		13:15							34
P-275-DW-07A		13:20							35
P-275-DW-07B		13:20							H 36
P-275-DW-08A		13:25							37
P-275-DW-08B		13:25							H 38
MS-1A		12:45							24
MSD-1A		12:45							24
~~MS-2A~~ cs									
~~MSD 2A~~									
CHA-1A	4.12.22	14:45	G	W			X	1	39

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Hold all samples ending with "B" until direction from CHA**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by:	4.12.22 15:00	CHA	Received by:	04/13/22	715 07
Relinquished by:	04/13/22	16:21	Received by:	4/12/22 1621	TAEO
Relinquished by:			Received by:		

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
	21 -2-3	

5/18/2022

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Page ____ of ____

Job Number: 256247

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.1 °C	2.3 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				✓											
2				✓											
3				✓											
4				✓											
5				✓											
6				✓											
7				✓											
8				✓											
9				✓											
10				✓											
11				✓											
12				✓											
13				✓											
14				✓											
15				✓											
16				✓											
17				✓											
18				✓											
19				✓											
20				✓											
21				✓											
22				✓											
23				✓											
24				✓											
25				✓											
26				✓											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ **Date:** 04/12

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 256247

Number of Coolers: _____ IR Gun # _____

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	℃	℃	Cooler #4:	℃	℃	Cooler #7:	℃	℃
Cooler #2:	℃	℃	Cooler #5:	℃	℃	Cooler #8:	℃	℃
Cooler #3:	℃	℃	Cooler #6:	℃	℃	Cooler #9:	℃	℃

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
27				<2											
28				<2											
29				<2											
30				<2											
31				<2											
34				<2											
35				<2											
36				<2											
37				<2											
38				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 4/12/22

EDS-WI-038, Rev 4.1
10/22/2019

5/18/2022

Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 460-256247-1

Login Number: 256247
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	Refer to Job Narrative for details.
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

LABORATORY REPORTS

Ender Hall

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ANALYTICAL REPORT

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-257386-1
Client Project/Site: Bergen County Enderhall

For:
CHA Inc
III Winners Circle
PO BOX 5269
Albany, New York 12205-0269

Attn: Ms. Carrie Robinson

Authorized for release by:
5/27/2022 9:03:30 AM

April Callahan, Project Manager
(732)549-3900
April.Callahan@et.eurofinsus.com

Table of Contents

Definitions/Glossary

Client: CHA Inc
Job ID: 460-257386-1
Project/Site: Bergen County Enderhall

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-257386-1

Laboratory: Eurofins Edison

Narrative

CASE NARRATIVE

Client: CHA Inc

Project: Bergen County Enderhall

Report Number: 460-257386-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 5/3/2022 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

Receipt Exceptions

The following sample was activated by the client on 5/12: P-400-TL-16B (460-257386-30).

Remaining holds were canceled on 5/26.

TOTAL METALS

Samples P-400-DW-01A (460-257386-1), P-400-NS-02A (460-257386-3), P-400-NS-03A (460-257386-5), P-400-KS-04A (460-257386-7), P-400-IM-05A (460-257386-9), P-400-KS-06A (460-257386-10), P-400-KS-07A (460-257386-12), P-400-KS-08A (460-257386-14), P-400-KS-09A (460-257386-16), P-400-KS-10A (460-257386-18), P-400-KS-11A (460-257386-20), P-400-IM-12A (460-257386-22), P-400-KS-13A (460-257386-23), P-400-DW-14A (460-257386-25), P-400-DW-15A (460-257386-27), P-400-TL-16A (460-257386-29) and P-400-TL-16B (460-257386-30) were analyzed for total metals in accordance with EPA Method 200.8 (ICP/MS). The samples were prepared on 05/11/2022, 05/12/2022 and 05/22/2022 and analyzed on 05/11/2022, 05/12/2022 and 05/25/2022.

As a standard practice all non-potable samples and related QC samples (i.e., MB, LCS, Dup, MS, SD) are diluted 5X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: CHA Inc
Project/Site: Bergen County Enderhall

Job ID: 460-257386-1

Client Sample ID: P-400-DW-01A — Lab Sample ID: 460-257386-1

No Detections.

Client Sample ID: P-400-NS-02A — Lab Sample ID: 460-257386-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.37		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-400-NS-03A — Lab Sample ID: 460-257386-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.50		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-400-KS-04A — Lab Sample ID: 460-257386-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.05		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-400-IM-05A — Lab Sample ID: 460-257386-9

No Detections.

Client Sample ID: P-400-KS-06A — Lab Sample ID: 460-257386-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.24		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-400-KS-07A — Lab Sample ID: 460-257386-12

No Detections.

Client Sample ID: P-400-KS-08A — Lab Sample ID: 460-257386-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.54		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-400-KS-09A — Lab Sample ID: 460-257386-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.45		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-400-KS-10A — Lab Sample ID: 460-257386-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.14		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-400-KS-11A — Lab Sample ID: 460-257386-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.32		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-400-IM-12A — Lab Sample ID: 460-257386-22

No Detections.

Client Sample ID: P-400-KS-13A — Lab Sample ID: 460-257386-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.33		2.00	0.11	ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

Client: CHA Inc
Job ID: 460-257386-1
Project/Site: Bergen County Enderhall

Client Sample ID: P-400-DW-14A — Lab Sample ID: 460-257386-25

No Detections.

Client Sample ID: P-400-DW-15A — Lab Sample ID: 460-257386-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	10.7		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-400-TL-16A — Lab Sample ID: 460-257386-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	76.4		2.00	0.11	ug/L	1		200.8	Total/NA

Client Sample ID: P-400-TL-16B — Lab Sample ID: 460-257386-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.48		2.00	0.11	ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P-400-DW-01A
Lab Sample ID: 460-257386-1
Date Collected: 05/01/22 11:00
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 18:18	1

Client Sample ID: P-400-NS-02A
Lab Sample ID: 460-257386-3
Date Collected: 05/01/22 11:05
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.37**		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 18:20	1

Client Sample ID: P-400-NS-03A
Lab Sample ID: 460-257386-5
Date Collected: 05/01/22 11:10
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**2.50**		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 18:22	1

Client Sample ID: P-400-KS-04A
Lab Sample ID: 460-257386-7
Date Collected: 05/01/22 11:15
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**1.05**		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 18:24	1

Client Sample ID: P-400-IM-05A
Lab Sample ID: 460-257386-9
Date Collected: 05/01/22 11:20
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 18:27	1

Client Sample ID: P-400-KS-06A
Lab Sample ID: 460-257386-10
Date Collected: 05/01/22 11:25
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.24**		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 18:29	1

Client Sample ID: P-400-KS-07A
Lab Sample ID: 460-257386-12
Date Collected: 05/01/22 11:30
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 18:31	1

Client Sample ID: P-400-KS-08A
Lab Sample ID: 460-257386-14
Date Collected: 05/01/22 11:35
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.54		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 18:33	1

Client Sample ID: P-400-KS-09A
Lab Sample ID: 460-257386-16
Date Collected: 05/01/22 11:40
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.45		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 18:40	1

Client Sample ID: P-400-KS-10A
Lab Sample ID: 460-257386-18
Date Collected: 05/01/22 11:45
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.14		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 18:42	1

Client Sample ID: P-400-KS-11A
Lab Sample ID: 460-257386-20
Date Collected: 05/01/22 11:50
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.32		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 18:44	1

Client Sample ID: P-400-IM-12A
Lab Sample ID: 460-257386-22
Date Collected: 05/01/22 11:55
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 18:46	1

Client Sample ID: P-400-KS-13A
Lab Sample ID: 460-257386-23
Date Collected: 05/01/22 12:00
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.33		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 18:48	1

Client Sample ID: P-400-DW-14A
Lab Sample ID: 460-257386-25
Date Collected: 05/01/22 12:05
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 18:51	1

Client Sample Results

Client: CHA Inc
Job ID: 460-257386-1
Project/Site: Bergen County Enderhall

Client Sample ID: P-400-DW-15A
Lab Sample ID: 460-257386-27
Date Collected: 05/01/22 12:10
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10.7		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 18:53	1

Client Sample ID: P-400-TL-16A
Lab Sample ID: 460-257386-29
Date Collected: 05/01/22 12:15
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	76.4		2.00	0.11	ug/L		05/12/22 10:45	05/12/22 11:31	1

Client Sample ID: P-400-TL-16B
Lab Sample ID: 460-257386-30
Date Collected: 05/01/22 12:15
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.48		2.00	0.11	ug/L		05/22/22 18:40	05/25/22 12:55	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 460-844021/1-A
Matrix: Water
Analysis Batch: 843982

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 844021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 17:51	1

Lab Sample ID: LCS 460-844021/2-A
Matrix: Water
Analysis Batch: 843982

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 844021

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	5.00	4.88		ug/L		98	85 - 115

Lab Sample ID: 460-257386-27 MS
Matrix: Water
Analysis Batch: 843982

Client Sample ID: P-400-DW-15A
Prep Type: Total/NA
Prep Batch: 844021

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	10.7		5.00	15.8		ug/L		101	70 - 130

Lab Sample ID: MB 460-844160/1-A
Matrix: Water
Analysis Batch: 844211

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 844160

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		05/12/22 10:45	05/12/22 11:24	1

Lab Sample ID: LCS 460-844160/2-A
Matrix: Water
Analysis Batch: 844211

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 844160

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	5.00	5.08		ug/L		102	85 - 115

Lab Sample ID: 460-257386-29 MS
Matrix: Water
Analysis Batch: 844211

Client Sample ID: P-400-TL-16A
Prep Type: Total/NA
Prep Batch: 844160

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	76.4		5.00	80.2		ug/L		76	70 - 130

Lab Sample ID: 460-257386-29 DU
Matrix: Water
Analysis Batch: 844211

Client Sample ID: P-400-TL-16A
Prep Type: Total/NA
Prep Batch: 844160

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	76.4		73.1		ug/L		4	20

Lab Sample ID: MB 460-846028/1-A
Matrix: Water
Analysis Batch: 846610

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 846028

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		05/22/22 18:40	05/25/22 12:41	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: LCS 460-846028/2-A
Matrix: Water
Analysis Batch: 846610

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 846028

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			5.00	5.24		ug/L		105	85 - 115		

Lab Sample ID: 460-257386-30 MS
Matrix: Water
Analysis Batch: 846610

Client Sample ID: P-400-TL-16B
Prep Type: Total/NA
Prep Batch: 846028

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead	0.48		5.00	5.76		ug/L		105	70 - 130		

Lab Sample ID: 460-257386-30 DU
Matrix: Water
Analysis Batch: 846610

Client Sample ID: P-400-TL-16B
Prep Type: Total/NA
Prep Batch: 846028

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	0.48			0.50		ug/L				2	20

Metals

Analysis Batch: 843982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-257386-1	P-400-DW-01A	Total/NA	Water	200.8	844021
460-257386-3	P-400-NS-02A	Total/NA	Water	200.8	844021
460-257386-5	P-400-NS-03A	Total/NA	Water	200.8	844021
460-257386-7	P-400-KS-04A	Total/NA	Water	200.8	844021
460-257386-9	P-400-IM-05A	Total/NA	Water	200.8	844021
460-257386-10	P-400-KS-06A	Total/NA	Water	200.8	844021
460-257386-12	P-400-KS-07A	Total/NA	Water	200.8	844021
460-257386-14	P-400-KS-08A	Total/NA	Water	200.8	844021
460-257386-16	P-400-KS-09A	Total/NA	Water	200.8	844021
460-257386-18	P-400-KS-10A	Total/NA	Water	200.8	844021
460-257386-20	P-400-KS-11A	Total/NA	Water	200.8	844021
460-257386-22	P-400-IM-12A	Total/NA	Water	200.8	844021
460-257386-23	P-400-KS-13A	Total/NA	Water	200.8	844021
460-257386-25	P-400-DW-14A	Total/NA	Water	200.8	844021
460-257386-27	P-400-DW-15A	Total/NA	Water	200.8	844021
MB 460-844021/1-A	Method Blank	Total/NA	Water	200.8	844021
LCS 460-844021/2-A	Lab Control Sample	Total/NA	Water	200.8	844021
460-257386-27 MS	P-400-DW-15A	Total/NA	Water	200.8	844021

Prep Batch: 844021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-257386-1	P-400-DW-01A	Total/NA	Water	200	
460-257386-3	P-400-NS-02A	Total/NA	Water	200	
460-257386-5	P-400-NS-03A	Total/NA	Water	200	
460-257386-7	P-400-KS-04A	Total/NA	Water	200	
460-257386-9	P-400-IM-05A	Total/NA	Water	200	
460-257386-10	P-400-KS-06A	Total/NA	Water	200	
460-257386-12	P-400-KS-07A	Total/NA	Water	200	
460-257386-14	P-400-KS-08A	Total/NA	Water	200	
460-257386-16	P-400-KS-09A	Total/NA	Water	200	
460-257386-18	P-400-KS-10A	Total/NA	Water	200	
460-257386-20	P-400-KS-11A	Total/NA	Water	200	
460-257386-22	P-400-IM-12A	Total/NA	Water	200	
460-257386-23	P-400-KS-13A	Total/NA	Water	200	
460-257386-25	P-400-DW-14A	Total/NA	Water	200	
460-257386-27	P-400-DW-15A	Total/NA	Water	200	
MB 460-844021/1-A	Method Blank	Total/NA	Water	200	
LCS 460-844021/2-A	Lab Control Sample	Total/NA	Water	200	
460-257386-27 MS	P-400-DW-15A	Total/NA	Water	200	

Prep Batch: 844160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-257386-29	P-400-TL-16A	Total/NA	Water	200	
MB 460-844160/1-A	Method Blank	Total/NA	Water	200	
LCS 460-844160/2-A	Lab Control Sample	Total/NA	Water	200	
460-257386-29 MS	P-400-TL-16A	Total/NA	Water	200	
460-257386-29 DU	P-400-TL-16A	Total/NA	Water	200	

Analysis Batch: 844211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-257386-29	P-400-TL-16A	Total/NA	Water	200.8	844160

Metals (Continued)

Analysis Batch: 844211 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-844160/1-A	Method Blank	Total/NA	Water	200.8	844160
LCS 460-844160/2-A	Lab Control Sample	Total/NA	Water	200.8	844160
460-257386-29 MS	P-400-TL-16A	Total/NA	Water	200.8	844160
460-257386-29 DU	P-400-TL-16A	Total/NA	Water	200.8	844160

Prep Batch: 846028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-257386-30	P-400-TL-16B	Total/NA	Water	200	
MB 460-846028/1-A	Method Blank	Total/NA	Water	200	
LCS 460-846028/2-A	Lab Control Sample	Total/NA	Water	200	
460-257386-30 MS	P-400-TL-16B	Total/NA	Water	200	
460-257386-30 DU	P-400-TL-16B	Total/NA	Water	200	

Analysis Batch: 846610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-257386-30	P-400-TL-16B	Total/NA	Water	200.8	846028
MB 460-846028/1-A	Method Blank	Total/NA	Water	200.8	846028
LCS 460-846028/2-A	Lab Control Sample	Total/NA	Water	200.8	846028
460-257386-30 MS	P-400-TL-16B	Total/NA	Water	200.8	846028
460-257386-30 DU	P-400-TL-16B	Total/NA	Water	200.8	846028

Lab Chronicle

Client: CHA Inc
Project/Site: Bergen County Enderhall

Job ID: 460-257386-1

Client Sample ID: P-400-DW-01A
Lab Sample ID: 460-257386-1
Date Collected: 05/01/22 11:00
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844021	05/11/22 17:20	YZH	TAL EDI
Total/NA	Analysis	200.8		1	843982	05/11/22 18:18	YZH	TAL EDI

Client Sample ID: P-400-NS-02A
Lab Sample ID: 460-257386-3
Date Collected: 05/01/22 11:05
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844021	05/11/22 17:20	YZH	TAL EDI
Total/NA	Analysis	200.8		1	843982	05/11/22 18:20	YZH	TAL EDI

Client Sample ID: P-400-NS-03A
Lab Sample ID: 460-257386-5
Date Collected: 05/01/22 11:10
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844021	05/11/22 17:20	YZH	TAL EDI
Total/NA	Analysis	200.8		1	843982	05/11/22 18:22	YZH	TAL EDI

Client Sample ID: P-400-KS-04A
Lab Sample ID: 460-257386-7
Date Collected: 05/01/22 11:15
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844021	05/11/22 17:20	YZH	TAL EDI
Total/NA	Analysis	200.8		1	843982	05/11/22 18:24	YZH	TAL EDI

Client Sample ID: P-400-IM-05A
Lab Sample ID: 460-257386-9
Date Collected: 05/01/22 11:20
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844021	05/11/22 17:20	YZH	TAL EDI
Total/NA	Analysis	200.8		1	843982	05/11/22 18:27	YZH	TAL EDI

Client Sample ID: P-400-KS-06A
Lab Sample ID: 460-257386-10
Date Collected: 05/01/22 11:25
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844021	05/11/22 17:20	YZH	TAL EDI
Total/NA	Analysis	200.8		1	843982	05/11/22 18:29	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Project/Site: Bergen County Enderhall

Job ID: 460-257386-1

Client Sample ID: P-400-KS-07A
Lab Sample ID: 460-257386-12
Date Collected: 05/01/22 11:30
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844021	05/11/22 17:20	YZH	TAL EDI
Total/NA	Analysis	200.8		1	843982	05/11/22 18:31	YZH	TAL EDI

Client Sample ID: P-400-KS-08A
Lab Sample ID: 460-257386-14
Date Collected: 05/01/22 11:35
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844021	05/11/22 17:20	YZH	TAL EDI
Total/NA	Analysis	200.8		1	843982	05/11/22 18:33	YZH	TAL EDI

Client Sample ID: P-400-KS-09A
Lab Sample ID: 460-257386-16
Date Collected: 05/01/22 11:40
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844021	05/11/22 17:20	YZH	TAL EDI
Total/NA	Analysis	200.8		1	843982	05/11/22 18:40	YZH	TAL EDI

Client Sample ID: P-400-KS-10A
Lab Sample ID: 460-257386-18
Date Collected: 05/01/22 11:45
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844021	05/11/22 17:20	YZH	TAL EDI
Total/NA	Analysis	200.8		1	843982	05/11/22 18:42	YZH	TAL EDI

Client Sample ID: P-400-KS-11A
Lab Sample ID: 460-257386-20
Date Collected: 05/01/22 11:50
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844021	05/11/22 17:20	YZH	TAL EDI
Total/NA	Analysis	200.8		1	843982	05/11/22 18:44	YZH	TAL EDI

Client Sample ID: P-400-IM-12A
Lab Sample ID: 460-257386-22
Date Collected: 05/01/22 11:55
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844021	05/11/22 17:20	YZH	TAL EDI
Total/NA	Analysis	200.8		1	843982	05/11/22 18:46	YZH	TAL EDI

Lab Chronicle

Client: CHA Inc
Project/Site: Bergen County Enderhall

Job ID: 460-257386-1

Client Sample ID: P-400-KS-13A
Lab Sample ID: 460-257386-23
Date Collected: 05/01/22 12:00
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844021	05/11/22 17:20	YZH	TAL EDI
Total/NA	Analysis	200.8		1	843982	05/11/22 18:48	YZH	TAL EDI

Client Sample ID: P-400-DW-14A
Lab Sample ID: 460-257386-25
Date Collected: 05/01/22 12:05
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844021	05/11/22 17:20	YZH	TAL EDI
Total/NA	Analysis	200.8		1	843982	05/11/22 18:51	YZH	TAL EDI

Client Sample ID: P-400-DW-15A
Lab Sample ID: 460-257386-27
Date Collected: 05/01/22 12:10
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844021	05/11/22 17:20	YZH	TAL EDI
Total/NA	Analysis	200.8		1	843982	05/11/22 18:53	YZH	TAL EDI

Client Sample ID: P-400-TL-16A
Lab Sample ID: 460-257386-29
Date Collected: 05/01/22 12:15
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844160	05/12/22 10:45	YZH	TAL EDI
Total/NA	Analysis	200.8		1	844211	05/12/22 11:31	YZH	TAL EDI

Client Sample ID: P-400-TL-16B
Lab Sample ID: 460-257386-30
Date Collected: 05/01/22 12:15
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			846028	05/22/22 18:40	GAE	TAL EDI
Total/NA	Analysis	200.8		1	846610	05/25/22 12:55	YZH	TAL EDI

Laboratory References:
TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: CHA Inc
Job ID: 460-257386-1
Project/Site: Bergen County Enderhall

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-23

Method Summary

Client: CHA Inc
Job ID: 460-257386-1
Project/Site: Bergen County Enderhall

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL EDI
200	Preparation, Metals	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: CHA Inc
Project/Site: Bergen County Enderhall

Job ID: 460-257386-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-257386-1	P-400-DW-01A	Water	05/01/22 11:00	05/03/22 10:20
460-257386-3	P-400-NS-02A	Water	05/01/22 11:05	05/03/22 10:20
460-257386-5	P-400-NS-03A	Water	05/01/22 11:10	05/03/22 10:20
460-257386-7	P-400-KS-04A	Water	05/01/22 11:15	05/03/22 10:20
460-257386-9	P-400-IM-05A	Water	05/01/22 11:20	05/03/22 10:20
460-257386-10	P-400-KS-06A	Water	05/01/22 11:25	05/03/22 10:20
460-257386-12	P-400-KS-07A	Water	05/01/22 11:30	05/03/22 10:20
460-257386-14	P-400-KS-08A	Water	05/01/22 11:35	05/03/22 10:20
460-257386-16	P-400-KS-09A	Water	05/01/22 11:40	05/03/22 10:20
460-257386-18	P-400-KS-10A	Water	05/01/22 11:45	05/03/22 10:20
460-257386-20	P-400-KS-11A	Water	05/01/22 11:50	05/03/22 10:20
460-257386-22	P-400-IM-12A	Water	05/01/22 11:55	05/03/22 10:20
460-257386-23	P-400-KS-13A	Water	05/01/22 12:00	05/03/22 10:20
460-257386-25	P-400-DW-14A	Water	05/01/22 12:05	05/03/22 10:20
460-257386-27	P-400-DW-15A	Water	05/01/22 12:10	05/03/22 10:20
460-257386-29	P-400-TL-16A	Water	05/01/22 12:15	05/03/22 10:20
460-257386-30	P-400-TL-16B	Water	05/01/22 12:15	05/03/22 10:20

Eurofins TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: C. Hurlburt	Lab PM: April Callahan	Carrier Tracking No(s):	COC No:
Client Contact: Seth Fowler/Carrie Robinson	Phone: 203-823--1800	E-Mail: churlburt@chacompanies.com		Page: 1 of 3
Company: CHA				Job #: 31521.2004 257386
Address: 3 Winners Circle	Due Date Requested:			
City: Albany	TAT Requested (days): First Draw Samples (A) - 5 day TAT; Flush Samples (B) analyzed only on request at 10 day TAT			
State, Zip: NY				
Phone: 12205	PO #: 31521			
Email: sfowler@chacompanies.com; crobinson@chacompanies.com	WO #:			
Project Name: Bergen County Enderhall	Project #:			
Site:	SSOW#:			

Analysis Requested

460-257386 Chain of Custody

Preservation Codes:

A - HCL; B - NaOH; C - Zn Acetate; D - Nitric.Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - ph 4-5; Z - other (specify)

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Lead	Total Nu	Special Instructions/Note:
			Preservation Code:						
P-400-DW-01A	5/1/22	11:00	G	W			X		-1
P-400-DW-01B	5/1/22	11:00						H	-2
P-400-NS-02A	5/1/22	11:05							-3
P-400-NS-02B	5/1/22	11:05						H	-4
P-400-NS-03A	5/1/22	11:10							-5
P-400-NS-03B	5/1/22	11:10						H	-6
P-400-KS-04A	5/1/22	11:15							-7
P-400-KS-04B	5/1/22	11:15						H	-8
P-400-IM-05A	5/1/22	11:20							-9
P-400-KS-06A	5/1/22	11:25							-10
P-400-KS-06B	5/1/22	11:25						H	-11

Page 20 of 26

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Hold all samples ending with "B" until direction from CHA**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		5.2.22 13:00		via fedex	5/3/22 10:20	ER
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: IR gun 2.3 = 2.5

5/17/2022

Eurofins TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: C. Hurlburt	Lab PM: April Callahan	Carrier Tracking No(s):	COC No:
Client Contact: Seth Fowler/Carrie Robinson	Phone: 203-823--1800	E-Mail:		Page: 2 of 3
Company: CHA				Job #: 31521.2004 257386
Address: 3 Winners Circle	Due Date Requested:			
City: Albany	TAT Requested (days): First Draw Samples (A) - 5 day TAT; Flush Samples (B) analyzed only on request at 10 day TAT			
State, Zip: NY				
Phone: 12205	PO #: 31521			
Email: stowler@chacompanies.com; crobinson@chacompanies.com	WO #:			
Project Name: Bergen County Enderhall	Project #:			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Lead	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
P-400-KS-07A	5/1/22	11:30	G	W			X		-12
P-400-KS-07B	5/1/22	11:30						H	-13
P-400-KS-08A	5/1/22	11:35							-14
P-400-KS-08B	5/1/22	11:35						H	-15
P-400-KS-09A	5/1/22	11:40							-16
P-400-KS-09B	5/1/22	11:40						H	-17
P-400-KS-10A	5/1/22	11:45							-18
P-400-KS-10B	5/1/22	11:45						H	-19
P-400-KS-11A	5/1/22	11:50							-20
P-400-KS-11B	5/1/22	11:50						H	-21
P-400-IM-12A	5/1/22	11:55							-22

Possible Hazard Identification
Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements: **Hold all samples ending with "B" until direction from CHA**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		5.2.22 13:00	CHA	Jia Fedex	5/3/22 10:20	ER
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: ID#9-2.3=2.5

Eurofins TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: C. Hurlburt	Lab PM: April Callahan	Carrier Tracking No(s):	COC No:
Client Contact: Seth Fowler/Carrie Robinson	Phone: 203-823--1800	E-Mail:		Page: 3 of 3

Company: CHA	Analysis Requested	Job #: 31521.2004 257586
Address: 3 Winners Circle	Due Date Requested:	Preservation Codes:
City: Albany	TAT Requested (days): First Draw Samples (A) - 5 day TAT; Flush Samples (B) analyzed only on request at 10 day TAT	A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: NY		
Phone: 12205	PO #: 31521	Other:
Email: sfowler@chacompanies.com; crobinson@chacompanies.com	WO #:	
Project Name: Bergen County Enderhall	Project #:	
Site:	SSOW#:	

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Lead	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
P-400-KS-13A	5/1/22	12:00	G	W			X	1	-23
P-400-KS-13B	5/1/22	12:00						1 H	-24
P-400-DW-14A	5/1/22	12:05							-25
P-400-DW-14B	5/1/22	12:05						H	-26
P-400-DW-15A	5/1/22	12:10							-27
P-400-DW-15B	5/1/22	12:10						H	-28
P-400-TL-16A	5/1/22	12:15							-29
P-400-TL-16B	5/1/22	12:15						H	-30

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements: **Hold all samples ending with "B" until direction from CHA**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: ~~5.22.22~~ 5.2.22 13:00	Company: CHA	Received by: via fedex	Date/Time: 5/3/22 10:20	Company: ER
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 0	Cooler Temperature(s) °C and Other Remarks: ID #9- 2.3=2.5

Page 22 of 26

5/17/2022

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 257386

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.3 °C	2.5 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2											
2				<2											
3				<2											
4				<2											
5				<2											
6				<2											
7				<2											
8				<2											
9				<2											
10				<2											
11				<2											
12				<2											
13				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: NA

Preservative Name/Conc.: NA Volume of Preservative used (ml): NA

Lot # of Preservative(s): NA Expiration Date: NA

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: E.S. Date: 5/3/22

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 257386

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.3 °C	2.5 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
14				<2											
15				<2											
16				<2											
17				<2											
18				<2											
19				<2											
20				<2											
21				<2											
22				<2											
23				<2											
24				<2											
25				<2											
26				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: NA

Preservative Name/Conc.: NA Volume of Preservative used (ml): NA

Lot # of Preservative(s): NA Expiration Date: NA

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: E.S. Date: 5/3/22

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 257386

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.3 °C	2.5 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
27				<2											
28				<2											
29				<2											
30				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: NA

Preservative Name/Conc.: NA Volume of Preservative used (ml): NA

Lot # of Preservative(s): NA Expiration Date: NA

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: E.S. Date: 5/3/22

Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 460-257386-1

Login Number: 257386
List Number: 1
Creator: Lysy, Susan

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	False	Limited volume received.
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

LABORATORY REPORTS

Teterboro Campus

Vocational School

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-257385-1
Client Project/Site: Bergen County Technical Services

For:
CHA Inc
III Winners Circle
PO BOX 5269
Albany, New York 12205-0269

Attn: Ms. Carrie Robinson

Authorized for release by:
5/18/2022 11:13:27 AM

April Callahan, Project Manager
(732)549-3900
April.Callahan@et.eurofinsus.com

Table of Contents

Definitions/Glossary

Client: CHA Inc
Job ID: 460-257385-1
Project/Site: Bergen County Technical Services

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-257385-1

Laboratory: Eurofins Edison

Narrative

CASE NARRATIVE

Client: CHA Inc

Project: Bergen County Technical Services

Report Number: 460-257385-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 5/3/2022 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

Receipt Exceptions

Remaining holds were canceled on 5/17.

TOTAL METALS

Samples P-275-KS-06A (460-257385-1), T-504-DW-07A (460-257385-3) and CHA-1 (460-257385-4) were analyzed for total metals in accordance with EPA Method 200.8 (ICP/MS). The samples were prepared and analyzed on 05/11/2022.

As a standard practice all non-potable samples and related QC samples (i.e., MB, LCS, Dup, MS, SD) are diluted 5X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: CHA Inc
Job ID: 460-257385-1
Project/Site: Bergen County Technical Services

Client Sample ID: P-275-KS-06A — Lab Sample ID: 460-257385-1

No Detections.

Client Sample ID: T-504-DW-07A — Lab Sample ID: 460-257385-3

No Detections.

Client Sample ID: CHA-1 — Lab Sample ID: 460-257385-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: CHA Inc
Job ID: 460-257385-1
Project/Site: Bergen County Technical Services

Client Sample ID: P-275-KS-06A
Lab Sample ID: 460-257385-1
Date Collected: 05/01/22 12:30
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 17:58	1

Client Sample ID: T-504-DW-07A
Lab Sample ID: 460-257385-3
Date Collected: 05/01/22 13:20
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 18:09	1

Client Sample ID: CHA-1
Lab Sample ID: 460-257385-4
Date Collected: 05/01/22 13:00
Matrix: Water
Date Received: 05/03/22 10:20

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 18:16	1

QC Sample Results

Client: CHA Inc
Project/Site: Bergen County Technical Services

Job ID: 460-257385-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 460-844021/1-A
Matrix: Water
Analysis Batch: 843982

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 844021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.11		2.00	0.11	ug/L		05/11/22 17:20	05/11/22 17:51	1

Lab Sample ID: LCS 460-844021/2-A
Matrix: Water
Analysis Batch: 843982

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 844021

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			5.00	4.88		ug/L		98	85 - 115		

Lab Sample ID: 460-257385-1 MS
Matrix: Water
Analysis Batch: 843982

Client Sample ID: P-275-KS-06A
Prep Type: Total/NA
Prep Batch: 844021

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead	<0.11		5.00	4.92		ug/L		98	70 - 130		

Lab Sample ID: 460-257385-1 DU
Matrix: Water
Analysis Batch: 843982

Client Sample ID: P-275-KS-06A
Prep Type: Total/NA
Prep Batch: 844021

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	<0.11			<0.11		ug/L				NC	20

QC Association Summary

Client: CHA Inc
Job ID: 460-257385-1
Project/Site: Bergen County Technical Services

Metals

Analysis Batch: 843982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-257385-1	P-275-KS-06A	Total/NA	Water	200.8	844021
460-257385-3	T-504-DW-07A	Total/NA	Water	200.8	844021
460-257385-4	CHA-1	Total/NA	Water	200.8	844021
MB 460-844021/1-A	Method Blank	Total/NA	Water	200.8	844021
LCS 460-844021/2-A	Lab Control Sample	Total/NA	Water	200.8	844021
460-257385-1 MS	P-275-KS-06A	Total/NA	Water	200.8	844021
460-257385-1 DU	P-275-KS-06A	Total/NA	Water	200.8	844021

Prep Batch: 844021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-257385-1	P-275-KS-06A	Total/NA	Water	200	
460-257385-3	T-504-DW-07A	Total/NA	Water	200	
460-257385-4	CHA-1	Total/NA	Water	200	
MB 460-844021/1-A	Method Blank	Total/NA	Water	200	
LCS 460-844021/2-A	Lab Control Sample	Total/NA	Water	200	
460-257385-1 MS	P-275-KS-06A	Total/NA	Water	200	
460-257385-1 DU	P-275-KS-06A	Total/NA	Water	200	

Lab Chronicle

Client: CHA Inc
Job ID: 460-257385-1
Project/Site: Bergen County Technical Services

Client Sample ID: P-275-KS-06A
Lab Sample ID: 460-257385-1
Date Collected: 05/01/22 12:30
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844021	05/11/22 17:20	YZH	TAL EDI
Total/NA	Analysis	200.8		1	843982	05/11/22 17:58	YZH	TAL EDI

Client Sample ID: T-504-DW-07A
Lab Sample ID: 460-257385-3
Date Collected: 05/01/22 13:20
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844021	05/11/22 17:20	YZH	TAL EDI
Total/NA	Analysis	200.8		1	843982	05/11/22 18:09	YZH	TAL EDI

Client Sample ID: CHA-1
Lab Sample ID: 460-257385-4
Date Collected: 05/01/22 13:00
Matrix: Water
Date Received: 05/03/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			844021	05/11/22 17:20	YZH	TAL EDI
Total/NA	Analysis	200.8		1	843982	05/11/22 18:16	YZH	TAL EDI

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: CHA Inc
Job ID: 460-257385-1
Project/Site: Bergen County Technical Services

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-23

Method Summary

Client: CHA Inc
Job ID: 460-257385-1
Project/Site: Bergen County Technical Services

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL EDI
200	Preparation, Metals	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: CHA Inc
Job ID: 460-257385-1
Project/Site: Bergen County Technical Services

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-257385-1	P-275-KS-06A	Water	05/01/22 12:30	05/03/22 10:20
460-257385-3	T-504-DW-07A	Water	05/01/22 13:20	05/03/22 10:20
460-257385-4	CHA-1	Water	05/01/22 13:00	05/03/22 10:20

Eurofins TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: C. Hurlburt	Lab PM: April Callahan	Carrier Tracking No(s):	COC No:
Client Contact: Seth Fowler/Carrie Robinson	Phone: 203-823--1800	E-Mail:		Page: 1 of 1
Company: CHA				Job #: 31521.2004 257385

Address: 3 Winners Circle	Due Date Requested:
City: Albany	TAT Requested (days): First Draw Samples (A) - 5 day TAT; Flush Samples (B) analyzed only on request at 10 day TAT
State, Zip: NY	
Phone: 12205	PO #: 31521
Email: sfowler@chacompanies.com; crobinson@chacompanies.com	WO #:
Project Name: Bergen County Technical Services	Project #:
Site:	SSOW#:

Analysis Requested

460-257385 Chain of Custody

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 - Lead	Total Number of c	Special Instructions/Note:
Preservation Code:									
SP-275-KS-06A	5.1.22	12:30	G	W			X	1	-1
SP-275-KS-06B		12:30						1	H -2
T-504-DW-07A		13:20							-3
MS-1		12:30							-1
MSD-1		12:30							-1
CHA-1		13:00							-4
Temp Blank	—	—	—	—					

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: **Hold all samples ending with "B" until direction from CHA**

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 5.2.22 13:00	Company: CHA	Received by: Via Fedex
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:

Date/Time: 5/3/22 10:20	Company: FR
Date/Time:	Company:
Date/Time:	Company:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: ID# 9 - 2.3 = 2.5

Page 13 of 15

5/10/2022

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 257385

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.3 °C	2.5 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2											
2				<2											
3				<2											
4				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: NA

Preservative Name/Conc.: NA Volume of Preservative used (ml): NA

Lot # of Preservative(s): NA Expiration Date: NA

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: E.S. Date: 5/3/22

EDS-WI-038, Rev 4, 06/09/2014

Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 460-257385-1

Login Number: 257385
List Number: 1
Creator: Lysy, Susan

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A