

MEMORANDUM

TO: Mr. Raul Garcia
FROM: Matt Nusenow, PE, Principal Engineer
Brenden Taylor, PG, Senior Geologist
RE: Soil Sampling Results for Metals
Palm Elementary School
14740 Palm Avenue, Hacienda Heights, CA

GSI Environmental Inc. (GSI) has prepared this memorandum to summarize soil sampling procedures and analytical results for selected metals for the Palm Elementary School property at 14740 Palm Avenue, Hacienda Heights, CA (herein referred to as the Site) (Figure 1). The purpose of this memorandum is to document the analytical results relative to appropriate screening levels to evaluate exposure risk at the Palm Elementary School for the Hacienda La Puente Unified School District.

SITE BACKGROUND

Site Description

The Site consists of Los Angeles County Parcel Nos. 8000-009-900, which total approximately 11.6 acres in size. The Site is currently owned by the Hacienda La Puente Unified School District and actively operates as Palm Elementary School. The Site has seven classroom buildings and one administrative building. In addition, the Site contains a grass soccer field and various other grass surfaces, a playground, and several undeveloped areas.

Geology

The Site sits on a gradual hill that begins at the northwestern end of the parcel and peaks at the southeastern end of the parcel. Soil at the Site is predominantly moist sand and varies between silty sands and poorly graded sands with silt. The silty sand with varying degrees of fine materials underlies the grassy areas of the Site while the undeveloped areas and playground areas are underlain by poorly graded sand with silt in addition to silty sand. Most of the sand is fine grained. The poorly graded sand with silt is likely native to the area and was formed from granite decomposition while the silty sand was possibly placed during previous landscaping activities. Granite and quartzite gravel occur in both soil types but is rarely above trace concentrations.

SCOPE OF WORK

Pre-Field Activities

Prior to conducting field activities, GSI prepared a Site-specific Health and Safety Plan as required by Part 1910 of Title 29 of the Code of Federal Regulations.

Prior to initiation of soil sampling activities, GSI marked the Site and notified Underground Service Alert (USA) regarding the planned digging activities at the Site. USA contacted utility owners of record within the vicinity of the Site to mark the position of their utilities on the ground surface. The Site was divided into thirteen (13) zones (Figure 2) to facilitate thorough sampling of the soils. These zones were identified to ensure that the grassy areas, playgrounds, and undeveloped locations were properly sampled by this project.

Soil Sampling and Analysis

A hand auger was used to collect soil samples at 6 inches beneath the ground surface. This depth was selected to avoid contamination with surficial plant and organic materials. A total of 35 soil samples were taken from the Site, with 2 to 4 individual samples taken from each of the 13 zones, depending on the relative size of the zone. Soil samples from within a zone were described individually before being homogenized into a single sample jar to be sent for analysis. After sampling, GSI backfilled the holes with excavated materials.

The 13 soil samples were placed on ice and transported to Eurofins Cal-Science to be analyzed for selected metals including lead (Pb), arsenic (As), cadmium (Cd), manganese (Mn), and antimony (Sb). The concentrations of these metals were quantified and then compared to screening levels (SLs) for residential and industrial use published by the California Department of Toxic Substances Control (DTSC) or the United States Environmental Protection Agency (EPA) (Table 1, Figure 3). Residential screening levels are the appropriate SL for the Sites current use. The analytical laboratory report is presented as Attachment 1.

SAMPLE RESULTS

A summary of the analytical results for each of the 13 samples compared to SLs are as follows:

- Total lead was detected at concentrations ranging from 9.55 mg/kg to 22.5 milligrams per kilogram (mg/kg), which does not exceed the SL of 500 mg/kg set by DTSC¹.
- Total arsenic was detected at concentrations ranging from 2.5 mg/kg to 7.3 mg/kg, which exceed the SL of 0.13 mg/kg set by DTSC. However, this value is less than the California school background concentration of 12 mg/kg set by DTSC². Five of the sample results were less than the reporting limit and greater than the method detection limit and were noted as estimated values.
- Total cadmium was detected at concentrations ranging from 0.178 mg/kg to 0.421 mg/kg, which does not exceed SL of 100 mg/kg set by DTSC. The detected concentrations were less than the reporting limit and greater than the method detection limit and were noted as estimated values.
- Total manganese was detected at concentrations ranging from 135 mg/kg to 668 mg/kg, which do not exceed SL of 26,000 mg/kg set by the EPA³.
- Total antimony concentrations at the Site were not detected at concentrations exceeding the method detection limit of 2.9 mg/kg, which does not exceed the SL of 470 mg/kg set by the EPA.

¹ DTSC, 2025, HERO, HHRA Note Number 3, DTSC-modified Screening Levels (DTSC-SLs), - revised April 2025.

² DTSC, 2020, HHRA Note Number 11, Southern California Ambient Arsenic Screening Level

³ USEPA, 2024, Regional Screening Levels, November.

DISCUSSION

The concentrations of lead, cadmium, manganese, and antimony do not exceed the SLs set by the DTSC and the EPA. While arsenic concentrations exceed the SL set by the DTSC they are less than the normal background concentrations for California. As such, there is no expected risk of exposure to metals at the Site.

Attachments Figure 1 Site Vicinity Map
 Figure 2 Site Zones and Sampling Locations
 Figure 3 Soil Analytical Results
 Table 1 Soil Analytical Data
 Attachment 1 Laboratory Report



Matt J. Nusenow, PE
Principal Engineer



Brenden Taylor, PG
Senior Geologist



Soil Sampling Results for Metals
Palm Elementary School
Hacienda Heights, CA

TABLES

Table 1 Soil Analytical Data

TABLE 1: SOIL ANALYTICAL DATA-METALS

Palm Elementary School

14740 Palm Avenue, Hacienda Heights, California

Zone ID	Sample Depth	Sample Date	Antimony	Arsenic	Cadmium	Lead	Manganese
Residential DTSC/EPA SLs			31 [1]	0.032 [3]	7.1 [1,3]	80 [3]	1,800 [1]
Industrial DTSC/EPA SLs			470 [1]	0.13 [3]	100 [1,3]	500 [3]	26,000 [1]
DTSC Southern California Ambient Arsenic SL			NA	12 [2]	NA	NA	NA
1	0.5 ft bgs	07/17/25	<10.2	4.47	0.292 J	18.7	260
2	0.5 ft bgs	07/17/25	<10.2	3.42	0.370 J	21.1	244
3	0.5 ft bgs	07/17/25	<10.2	2.37 J	<0.51	13.3	227
4	0.5 ft bgs	07/17/25	<10.2	3.03 J	0.216 J	18.3	219
5	0.5 ft bgs	07/17/25	<10.2	7.3	0.281 J	22.5	254
6	0.5 ft bgs	07/17/25	<10.2	3.56	0.191 J	9.55	253
7	0.5 ft bgs	07/17/25	<10.2	3.04 J	0.179 J	14.2	307
8	0.5 ft bgs	07/17/25	<10.2	2.50 J	0.178 J	10.4	244
9	0.5 ft bgs	07/17/25	<10.2	4.43	0.421 J	15.4	249
10	0.5 ft bgs	07/17/25	<10.2	3.05 J	0.230 J	13.1	229
11	0.5 ft bgs	07/17/25	<10.2	3.65	0.319 J	21.3	232
12	0.5 ft bgs	07/17/25	<10.2	3.19	0.203 J	16.4	135
13	0.5 ft bgs	07/17/25	<10.2	4.56	0.393 J	20.3	668

Notes:

1. Samples collected by GSI Environmental for B2E Environmental
2. Samples analyzed by Eurofins CalScience, Tustin, CA
3. The DTSC value for cadmium is for dietary cadmium and no environmental value is reported.
4. Detected compounds shown in **bold**.
5. Screening levels are the lowest applicable DTSC/EPA values [1,3] or the California-specific median background [2], when the background concentration exceeds the lowest DTSC/EPA value.

Abbreviations:

< = Not detected greater than laboratory Method Detection Limit or Reporting Limit shown
bgs = Below ground surface
DTSC = Department of Toxic Substances Control
HERO = Human and Ecological Risk Office
ID: Identifier
J = Quality control flag to indicate estimated value, between Method Detection Limit and Reporting Limit
mg/kg = milligrams per kilogram
NA= Not applicable
ND = Not detected
SL = Screening Level
USEPA = United States Environmental Protection Agency

References:

- [1] USEPA, 2024, Regional Screening Levels, November.
- [2] DTSC, 2020, HHRA Note Number 11, Southern California Ambient Arsenic Screening Level
- [3] DTSC, 2025, HERO, HHRA Note Number 3, DTSC-modified Screening Levels (DTSC-SLs), - revised April 2025.

Soil Sampling Results for Metals
Palm Elementary School
Hacienda Heights, CA

FIGURES

Figure 1 Site Vicinity Map

Figure 2 Site Zones and Sampling Locations

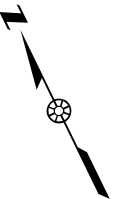
Figure 3 Soil Analytical Results



GSI job No.	10643	Drawn By:	DM
Issued:	19-Jul-2025	Chk'd By:	CSJ
		App'y'd By:	MJN
Map ID:	10643_LocMap	FIGURE 1	

SITE LOCATION MAP

Palm Elementary School
14740 Palm Ave, Hacienda Heights, California



LEGEND

- Discrete Sample
- Sampling Zones

Note
1) Aerial imagery provided by ESRI, ArcGIS Online 2024.

Feet
0 50 100

Projected Coordinate System
Datum: NAD 83
State Plane California Zone V
Units: Feet



SITE ZONES AND
SAMPLING LOCATIONS

Palm Elementary School 14740 Palm Ave, Hacienda Heights, California	
GSI job No. 10643	Drawn By: DM
Issued: 1-Aug-2025	Chk'd By: MJN
Map ID: 10643_SiteMap	Appv'd By: MJN

FIGURE 2



LEGEND

- Discrete Sample
- Sampling Zones

Note
1) Aerial imagery provided by ESRI, ArcGIS Online 2024.

Feet
0 50 100

Projected Coordinate System
Datum: NAD 83
State Plane California Zone V
Units: Feet



SOIL ANALYTICAL RESULTS

Palm Elementary School 14740 Palm Ave, Hacienda Heights, California	
GSI job No. 10643	Drawn By: DM
Issued: 1-Aug-2025	Chk'd By: MJN
Map ID: 10643_SMDB	App'd By: MJN

FIGURE 3

Soil Sampling Results for Metals
Palm Elementary School
Hacienda Heights, CA

ATTACHMENT

Laboratory Report

ANALYTICAL REPORT

PREPARED FOR

Attn: Brenden Taylor
GSI Environmental Inc
7595 Irvine Center Dr.,
Suite 250
Irvine, California 92618

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JOB DESCRIPTION

10643 - Palm Elementary School

JOB NUMBER

570-239073-1

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization



Authorized for release by
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Definitions/Glossary

Client: GSI Environmental Inc
Project/Site: 10643 - Palm Elementary School

Job ID: 570-239073-1

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: GSI Environmental Inc
Project: 10643 - Palm Elementary School

Job ID: 570-239073-1

Job ID: 570-239073-1

Eurofins Calscience

Job Narrative 570-239073-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 7/17/2025 3:05 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 time was 3.5°C.

Metals

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-601003 and analytical batch 570-601589 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 6010B: The post digestion spike % recovery for Nickel associated with batch 570-601589 was outside of control limits. The associated sample is: (570-239523-B-1-B PDS).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Detection Summary

Client: GSI Environmental Inc
Project/Site: 10643 - Palm Elementary School

Job ID: 570-239073-1

Client Sample ID: Zone01-Comp

Lab Sample ID: 570-239073-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.47		3.05	1.41	mg/L	5		6010B	Total/NA
Cadmium	0.292	J	0.508	0.166	mg/L	5		6010B	Total/NA
Lead	18.7		2.03	0.415	mg/L	5		6010B	Total/NA
Manganese	260		2.03	0.214	mg/L	5		6010B	Total/NA

Client Sample ID: Zone02-Comp

Lab Sample ID: 570-239073-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.42		3.06	1.42	mg/L	5		6010B	Total/NA
Cadmium	0.370	J	0.510	0.167	mg/L	5		6010B	Total/NA
Lead	21.1		2.04	0.417	mg/L	5		6010B	Total/NA
Manganese	244		2.04	0.215	mg/L	5		6010B	Total/NA

Client Sample ID: Zone03-Comp

Lab Sample ID: 570-239073-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.37	J	3.06	1.42	mg/L	5		6010B	Total/NA
Lead	13.3		2.04	0.417	mg/L	5		6010B	Total/NA
Manganese	227		2.04	0.215	mg/L	5		6010B	Total/NA

Client Sample ID: Zone04-Comp

Lab Sample ID: 570-239073-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.03	J	3.05	1.41	mg/L	5		6010B	Total/NA
Cadmium	0.216	J	0.508	0.166	mg/L	5		6010B	Total/NA
Lead	18.3		2.03	0.415	mg/L	5		6010B	Total/NA
Manganese	219		2.03	0.214	mg/L	5		6010B	Total/NA

Client Sample ID: Zone05-Comp

Lab Sample ID: 570-239073-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.30		3.06	1.42	mg/L	5		6010B	Total/NA
Cadmium	0.281	J	0.510	0.167	mg/L	5		6010B	Total/NA
Lead	22.5		2.04	0.417	mg/L	5		6010B	Total/NA
Manganese	254		2.04	0.215	mg/L	5		6010B	Total/NA

Client Sample ID: Zone06-Comp

Lab Sample ID: 570-239073-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.56		3.06	1.42	mg/L	5		6010B	Total/NA
Cadmium	0.191	J	0.510	0.167	mg/L	5		6010B	Total/NA
Lead	9.55		2.04	0.417	mg/L	5		6010B	Total/NA
Manganese	253		2.04	0.215	mg/L	5		6010B	Total/NA

Client Sample ID: Zone07-Comp

Lab Sample ID: 570-239073-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.04	J	3.06	1.42	mg/L	5		6010B	Total/NA
Cadmium	0.179	J	0.510	0.167	mg/L	5		6010B	Total/NA
Lead	14.2		2.04	0.417	mg/L	5		6010B	Total/NA
Manganese	307		2.04	0.215	mg/L	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Detection Summary

Client: GSI Environmental Inc
Project/Site: 10643 - Palm Elementary School

Job ID: 570-239073-1

Client Sample ID: Zone08-Comp

Lab Sample ID: 570-239073-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.50	J	3.05	1.41	mg/L	5		6010B	Total/NA
Cadmium	0.178	J	0.508	0.166	mg/L	5		6010B	Total/NA
Lead	10.4		2.03	0.415	mg/L	5		6010B	Total/NA
Manganese	244		2.03	0.214	mg/L	5		6010B	Total/NA

Client Sample ID: Zone09-Comp

Lab Sample ID: 570-239073-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.43		3.06	1.42	mg/L	5		6010B	Total/NA
Cadmium	0.421	J	0.510	0.167	mg/L	5		6010B	Total/NA
Lead	15.4		2.04	0.417	mg/L	5		6010B	Total/NA
Manganese	249		2.04	0.215	mg/L	5		6010B	Total/NA

Client Sample ID: Zone10-Comp

Lab Sample ID: 570-239073-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.05	J	3.06	1.42	mg/L	5		6010B	Total/NA
Cadmium	0.230	J	0.510	0.167	mg/L	5		6010B	Total/NA
Lead	13.1		2.04	0.417	mg/L	5		6010B	Total/NA
Manganese	229		2.04	0.215	mg/L	5		6010B	Total/NA

Client Sample ID: Zone11-Comp

Lab Sample ID: 570-239073-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.65		3.06	1.42	mg/L	5		6010B	Total/NA
Cadmium	0.319	J	0.510	0.167	mg/L	5		6010B	Total/NA
Lead	21.3		2.04	0.417	mg/L	5		6010B	Total/NA
Manganese	232		2.04	0.215	mg/L	5		6010B	Total/NA

Client Sample ID: Zone12-Comp

Lab Sample ID: 570-239073-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.19		3.05	1.41	mg/L	5		6010B	Total/NA
Cadmium	0.203	J	0.508	0.166	mg/L	5		6010B	Total/NA
Lead	16.4		2.03	0.415	mg/L	5		6010B	Total/NA
Manganese	135		2.03	0.214	mg/L	5		6010B	Total/NA

Client Sample ID: Zone13-Comp

Lab Sample ID: 570-239073-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.56		3.05	1.41	mg/L	5		6010B	Total/NA
Cadmium	0.393	J	0.508	0.166	mg/L	5		6010B	Total/NA
Lead	20.3		2.03	0.415	mg/L	5		6010B	Total/NA
Manganese	668		2.03	0.214	mg/L	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

Client: GSI Environmental Inc
Project/Site: 10643 - Palm Elementary School

Job ID: 570-239073-1

Method: SW846 6010B - Metals (ICP)

Client Sample ID: Zone01-Comp

Date Collected: 07/17/25 08:20

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.90	mg/L		07/23/25 07:04	07/23/25 23:50	5
Arsenic	4.47		3.05	1.41	mg/L		07/23/25 07:04	07/23/25 23:50	5
Cadmium	0.292	J	0.508	0.166	mg/L		07/23/25 07:04	07/23/25 23:50	5
Lead	18.7		2.03	0.415	mg/L		07/23/25 07:04	07/23/25 23:50	5
Manganese	260		2.03	0.214	mg/L		07/23/25 07:04	07/23/25 23:50	5

Client Sample ID: Zone02-Comp

Date Collected: 07/17/25 08:40

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.92	mg/L		07/23/25 07:04	07/23/25 23:52	5
Arsenic	3.42		3.06	1.42	mg/L		07/23/25 07:04	07/23/25 23:52	5
Cadmium	0.370	J	0.510	0.167	mg/L		07/23/25 07:04	07/23/25 23:52	5
Lead	21.1		2.04	0.417	mg/L		07/23/25 07:04	07/23/25 23:52	5
Manganese	244		2.04	0.215	mg/L		07/23/25 07:04	07/23/25 23:52	5

Client Sample ID: Zone03-Comp

Date Collected: 07/17/25 09:25

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-3

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.92	mg/L		07/23/25 07:04	07/23/25 23:59	5
Arsenic	2.37	J	3.06	1.42	mg/L		07/23/25 07:04	07/23/25 23:59	5
Cadmium	ND		0.510	0.167	mg/L		07/23/25 07:04	07/23/25 23:59	5
Lead	13.3		2.04	0.417	mg/L		07/23/25 07:04	07/23/25 23:59	5
Manganese	227		2.04	0.215	mg/L		07/23/25 07:04	07/23/25 23:59	5

Client Sample ID: Zone04-Comp

Date Collected: 07/17/25 09:55

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-4

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.90	mg/L		07/23/25 07:04	07/24/25 00:01	5
Arsenic	3.03	J	3.05	1.41	mg/L		07/23/25 07:04	07/24/25 00:01	5
Cadmium	0.216	J	0.508	0.166	mg/L		07/23/25 07:04	07/24/25 00:01	5
Lead	18.3		2.03	0.415	mg/L		07/23/25 07:04	07/24/25 00:01	5
Manganese	219		2.03	0.214	mg/L		07/23/25 07:04	07/24/25 00:01	5

Client Sample ID: Zone05-Comp

Date Collected: 07/17/25 10:25

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-5

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.92	mg/L		07/23/25 07:04	07/24/25 00:03	5
Arsenic	7.30		3.06	1.42	mg/L		07/23/25 07:04	07/24/25 00:03	5
Cadmium	0.281	J	0.510	0.167	mg/L		07/23/25 07:04	07/24/25 00:03	5
Lead	22.5		2.04	0.417	mg/L		07/23/25 07:04	07/24/25 00:03	5
Manganese	254		2.04	0.215	mg/L		07/23/25 07:04	07/24/25 00:03	5

Client Sample ID: Zone06-Comp

Date Collected: 07/17/25 11:00

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-6

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.92	mg/L		07/23/25 07:04	07/24/25 00:06	5

Eurofins Calscience

Client Sample Results

Client: GSI Environmental Inc
Project/Site: 10643 - Palm Elementary School

Job ID: 570-239073-1

Method: SW846 6010B - Metals (ICP) (Continued)

Client Sample ID: Zone06-Comp

Date Collected: 07/17/25 11:00

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-6

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.56		3.06	1.42	mg/L		07/23/25 07:04	07/24/25 00:06	5
Cadmium	0.191	J	0.510	0.167	mg/L		07/23/25 07:04	07/24/25 00:06	5
Lead	9.55		2.04	0.417	mg/L		07/23/25 07:04	07/24/25 00:06	5
Manganese	253		2.04	0.215	mg/L		07/23/25 07:04	07/24/25 00:06	5

Client Sample ID: Zone07-Comp

Date Collected: 07/17/25 11:30

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-7

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.92	mg/L		07/23/25 07:04	07/24/25 00:08	5
Arsenic	3.04	J	3.06	1.42	mg/L		07/23/25 07:04	07/24/25 00:08	5
Cadmium	0.179	J	0.510	0.167	mg/L		07/23/25 07:04	07/24/25 00:08	5
Lead	14.2		2.04	0.417	mg/L		07/23/25 07:04	07/24/25 00:08	5
Manganese	307		2.04	0.215	mg/L		07/23/25 07:04	07/24/25 00:08	5

Client Sample ID: Zone08-Comp

Date Collected: 07/17/25 11:55

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-8

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.90	mg/L		07/23/25 07:04	07/24/25 00:10	5
Arsenic	2.50	J	3.05	1.41	mg/L		07/23/25 07:04	07/24/25 00:10	5
Cadmium	0.178	J	0.508	0.166	mg/L		07/23/25 07:04	07/24/25 00:10	5
Lead	10.4		2.03	0.415	mg/L		07/23/25 07:04	07/24/25 00:10	5
Manganese	244		2.03	0.214	mg/L		07/23/25 07:04	07/24/25 00:10	5

Client Sample ID: Zone09-Comp

Date Collected: 07/17/25 12:10

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-9

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.92	mg/L		07/23/25 07:04	07/24/25 00:13	5
Arsenic	4.43		3.06	1.42	mg/L		07/23/25 07:04	07/24/25 00:13	5
Cadmium	0.421	J	0.510	0.167	mg/L		07/23/25 07:04	07/24/25 00:13	5
Lead	15.4		2.04	0.417	mg/L		07/23/25 07:04	07/24/25 00:13	5
Manganese	249		2.04	0.215	mg/L		07/23/25 07:04	07/24/25 00:13	5

Client Sample ID: Zone10-Comp

Date Collected: 07/17/25 12:35

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-10

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.92	mg/L		07/23/25 07:04	07/24/25 00:15	5
Arsenic	3.05	J	3.06	1.42	mg/L		07/23/25 07:04	07/24/25 00:15	5
Cadmium	0.230	J	0.510	0.167	mg/L		07/23/25 07:04	07/24/25 00:15	5
Lead	13.1		2.04	0.417	mg/L		07/23/25 07:04	07/24/25 00:15	5
Manganese	229		2.04	0.215	mg/L		07/23/25 07:04	07/24/25 00:15	5

Client Sample ID: Zone11-Comp

Date Collected: 07/17/25 12:50

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-11

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.92	mg/L		07/23/25 07:04	07/24/25 00:17	5
Arsenic	3.65		3.06	1.42	mg/L		07/23/25 07:04	07/24/25 00:17	5

Eurofins Calscience

Client Sample Results

Client: GSI Environmental Inc
Project/Site: 10643 - Palm Elementary School

Job ID: 570-239073-1

Method: SW846 6010B - Metals (ICP) (Continued)

Client Sample ID: Zone11-Comp

Date Collected: 07/17/25 12:50

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-11

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.319	J	0.510	0.167	mg/L		07/23/25 07:04	07/24/25 00:17	5
Lead	21.3		2.04	0.417	mg/L		07/23/25 07:04	07/24/25 00:17	5
Manganese	232		2.04	0.215	mg/L		07/23/25 07:04	07/24/25 00:17	5

Client Sample ID: Zone12-Comp

Date Collected: 07/17/25 13:05

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-12

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.90	mg/L		07/23/25 07:04	07/24/25 00:20	5
Arsenic	3.19		3.05	1.41	mg/L		07/23/25 07:04	07/24/25 00:20	5
Cadmium	0.203	J	0.508	0.166	mg/L		07/23/25 07:04	07/24/25 00:20	5
Lead	16.4		2.03	0.415	mg/L		07/23/25 07:04	07/24/25 00:20	5
Manganese	135		2.03	0.214	mg/L		07/23/25 07:04	07/24/25 00:20	5

Client Sample ID: Zone13-Comp

Date Collected: 07/17/25 13:15

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-13

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.90	mg/L		07/23/25 07:04	07/24/25 00:26	5
Arsenic	4.56		3.05	1.41	mg/L		07/23/25 07:04	07/24/25 00:26	5
Cadmium	0.393	J	0.508	0.166	mg/L		07/23/25 07:04	07/24/25 00:26	5
Lead	20.3		2.03	0.415	mg/L		07/23/25 07:04	07/24/25 00:26	5
Manganese	668		2.03	0.214	mg/L		07/23/25 07:04	07/24/25 00:26	5

QC Sample Results

Client: GSI Environmental Inc
Project/Site: 10643 - Palm Elementary School

Job ID: 570-239073-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-601003/1-A

Matrix: Solid

Analysis Batch: 601589

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 601003

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.0	2.86	mg/L		07/23/25 07:04	07/23/25 23:31	5
Arsenic	ND		3.00	1.39	mg/L		07/23/25 07:04	07/23/25 23:31	5
Cadmium	ND		0.500	0.164	mg/L		07/23/25 07:04	07/23/25 23:31	5
Lead	ND		2.00	0.409	mg/L		07/23/25 07:04	07/23/25 23:31	5
Manganese	ND		2.00	0.211	mg/L		07/23/25 07:04	07/23/25 23:31	5

Lab Sample ID: LCS 570-601003/2-A

Matrix: Solid

Analysis Batch: 601589

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 601003

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	46.56		mg/L		93	80 - 120
Arsenic	50.0	47.66		mg/L		95	80 - 120
Cadmium	50.0	47.25		mg/L		95	80 - 120
Lead	50.0	48.15		mg/L		96	80 - 120
Manganese	50.0	48.23		mg/L		96	80 - 120

Lab Sample ID: LCSD 570-601003/3-A

Matrix: Solid

Analysis Batch: 601589

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 601003

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.0	48.75		mg/L		98	80 - 120	5	20
Arsenic	50.0	49.24		mg/L		98	80 - 120	3	20
Cadmium	50.0	49.16		mg/L		98	80 - 120	4	20
Lead	50.0	49.93		mg/L		100	80 - 120	4	20
Manganese	50.0	50.03		mg/L		100	80 - 120	4	20

Lab Sample ID: 570-239523-B-1-C MS

Matrix: Solid

Analysis Batch: 601589

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 601003

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND	F1	50.0	27.20	F1	mg/L		54	75 - 125
Arsenic	2.83	J	50.0	45.18		mg/L		85	75 - 125
Cadmium	ND		50.0	41.34		mg/L		83	75 - 125
Lead	0.438	J	50.0	42.09		mg/L		83	75 - 125
Manganese	16.1		50.0	56.94		mg/L		82	75 - 125

Lab Sample ID: 570-239523-B-1-D MSD

Matrix: Solid

Analysis Batch: 601589

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 601003

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND	F1	50.0	25.50	F1	mg/L		51	75 - 125	6	20
Arsenic	2.83	J	50.0	42.34		mg/L		79	75 - 125	6	20
Cadmium	ND		50.0	38.28		mg/L		77	75 - 125	8	20
Lead	0.438	J	50.0	38.53		mg/L		76	75 - 125	9	20
Manganese	16.1		50.0	54.33		mg/L		76	75 - 125	5	20

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QC Association Summary

Client: GSI Environmental Inc
Project/Site: 10643 - Palm Elementary School

Job ID: 570-239073-1

Metals

Prep Batch: 601003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-239073-1	Zone01-Comp	Total/NA	Solid	3050B	
570-239073-2	Zone02-Comp	Total/NA	Solid	3050B	
570-239073-3	Zone03-Comp	Total/NA	Solid	3050B	
570-239073-4	Zone04-Comp	Total/NA	Solid	3050B	
570-239073-5	Zone05-Comp	Total/NA	Solid	3050B	
570-239073-6	Zone06-Comp	Total/NA	Solid	3050B	
570-239073-7	Zone07-Comp	Total/NA	Solid	3050B	
570-239073-8	Zone08-Comp	Total/NA	Solid	3050B	
570-239073-9	Zone09-Comp	Total/NA	Solid	3050B	
570-239073-10	Zone10-Comp	Total/NA	Solid	3050B	
570-239073-11	Zone11-Comp	Total/NA	Solid	3050B	
570-239073-12	Zone12-Comp	Total/NA	Solid	3050B	
570-239073-13	Zone13-Comp	Total/NA	Solid	3050B	
MB 570-601003/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-601003/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-601003/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-239523-B-1-C MS	Matrix Spike	Total/NA	Solid	3050B	
570-239523-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 601589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-239073-1	Zone01-Comp	Total/NA	Solid	6010B	601003
570-239073-2	Zone02-Comp	Total/NA	Solid	6010B	601003
570-239073-3	Zone03-Comp	Total/NA	Solid	6010B	601003
570-239073-4	Zone04-Comp	Total/NA	Solid	6010B	601003
570-239073-5	Zone05-Comp	Total/NA	Solid	6010B	601003
570-239073-6	Zone06-Comp	Total/NA	Solid	6010B	601003
570-239073-7	Zone07-Comp	Total/NA	Solid	6010B	601003
570-239073-8	Zone08-Comp	Total/NA	Solid	6010B	601003
570-239073-9	Zone09-Comp	Total/NA	Solid	6010B	601003
570-239073-10	Zone10-Comp	Total/NA	Solid	6010B	601003
570-239073-11	Zone11-Comp	Total/NA	Solid	6010B	601003
570-239073-12	Zone12-Comp	Total/NA	Solid	6010B	601003
570-239073-13	Zone13-Comp	Total/NA	Solid	6010B	601003
MB 570-601003/1-A	Method Blank	Total/NA	Solid	6010B	601003
LCS 570-601003/2-A	Lab Control Sample	Total/NA	Solid	6010B	601003
LCSD 570-601003/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	601003
570-239523-B-1-C MS	Matrix Spike	Total/NA	Solid	6010B	601003
570-239523-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	6010B	601003

Lab Chronicle

Client: GSI Environmental Inc
Project/Site: 10643 - Palm Elementary School

Job ID: 570-239073-1

Client Sample ID: Zone01-Comp

Date Collected: 07/17/25 08:20

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.97 g	50 mL	601003	07/23/25 07:04	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			601589	07/23/25 23:50	K1UV	EET CAL 4
Instrument ID: ICP11										

Client Sample ID: Zone02-Comp

Date Collected: 07/17/25 08:40

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.96 g	50 mL	601003	07/23/25 07:04	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			601589	07/23/25 23:52	K1UV	EET CAL 4
Instrument ID: ICP11										

Client Sample ID: Zone03-Comp

Date Collected: 07/17/25 09:25

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.96 g	50 mL	601003	07/23/25 07:04	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			601589	07/23/25 23:59	K1UV	EET CAL 4
Instrument ID: ICP11										

Client Sample ID: Zone04-Comp

Date Collected: 07/17/25 09:55

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.97 g	50 mL	601003	07/23/25 07:04	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			601589	07/24/25 00:01	K1UV	EET CAL 4
Instrument ID: ICP11										

Client Sample ID: Zone05-Comp

Date Collected: 07/17/25 10:25

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.96 g	50 mL	601003	07/23/25 07:04	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			601589	07/24/25 00:03	K1UV	EET CAL 4
Instrument ID: ICP11										

Lab Chronicle

Client: GSI Environmental Inc
Project/Site: 10643 - Palm Elementary School

Job ID: 570-239073-1

Client Sample ID: Zone06-Comp

Date Collected: 07/17/25 11:00

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.96 g	50 mL	601003	07/23/25 07:04	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			601589	07/24/25 00:06	K1UV	EET CAL 4
Instrument ID: ICP11										

Client Sample ID: Zone07-Comp

Date Collected: 07/17/25 11:30

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.96 g	50 mL	601003	07/23/25 07:04	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			601589	07/24/25 00:08	K1UV	EET CAL 4
Instrument ID: ICP11										

Client Sample ID: Zone08-Comp

Date Collected: 07/17/25 11:55

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.97 g	50 mL	601003	07/23/25 07:04	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			601589	07/24/25 00:10	K1UV	EET CAL 4
Instrument ID: ICP11										

Client Sample ID: Zone09-Comp

Date Collected: 07/17/25 12:10

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.96 g	50 mL	601003	07/23/25 07:04	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			601589	07/24/25 00:13	K1UV	EET CAL 4
Instrument ID: ICP11										

Client Sample ID: Zone10-Comp

Date Collected: 07/17/25 12:35

Date Received: 07/17/25 15:05

Lab Sample ID: 570-239073-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.96 g	50 mL	601003	07/23/25 07:04	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			601589	07/24/25 00:15	K1UV	EET CAL 4
Instrument ID: ICP11										

Lab Chronicle

Client: GSI Environmental Inc
Project/Site: 10643 - Palm Elementary School

Job ID: 570-239073-1

Client Sample ID: Zone11-Comp

Lab Sample ID: 570-239073-11

Date Collected: 07/17/25 12:50

Matrix: Solid

Date Received: 07/17/25 15:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.96 g	50 mL	601003	07/23/25 07:04	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			601589	07/24/25 00:17	K1UV	EET CAL 4
Instrument ID: ICP11										

Client Sample ID: Zone12-Comp

Lab Sample ID: 570-239073-12

Date Collected: 07/17/25 13:05

Matrix: Solid

Date Received: 07/17/25 15:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.97 g	50 mL	601003	07/23/25 07:04	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			601589	07/24/25 00:20	K1UV	EET CAL 4
Instrument ID: ICP11										

Client Sample ID: Zone13-Comp

Lab Sample ID: 570-239073-13

Date Collected: 07/17/25 13:15

Matrix: Solid

Date Received: 07/17/25 15:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.97 g	50 mL	601003	07/23/25 07:04	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			601589	07/24/25 00:26	K1UV	EET CAL 4
Instrument ID: ICP11										

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: GSI Environmental Inc
Project/Site: 10643 - Palm Elementary School

Job ID: 570-239073-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-26
Oregon	NELAP	4175	02-02-26

1
2
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Method Summary

Client: GSI Environmental Inc
Project/Site: 10643 - Palm Elementary School

Job ID: 570-239073-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	EET CAL 4
3050B	Preparation, Metals	SW846	EET CAL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: GSI Environmental Inc
Project/Site: 10643 - Palm Elementary School

Job ID: 570-239073-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-239073-1	Zone01-Comp	Solid	07/17/25 08:20	07/17/25 15:05
570-239073-2	Zone02-Comp	Solid	07/17/25 08:40	07/17/25 15:05
570-239073-3	Zone03-Comp	Solid	07/17/25 09:25	07/17/25 15:05
570-239073-4	Zone04-Comp	Solid	07/17/25 09:55	07/17/25 15:05
570-239073-5	Zone05-Comp	Solid	07/17/25 10:25	07/17/25 15:05
570-239073-6	Zone06-Comp	Solid	07/17/25 11:00	07/17/25 15:05
570-239073-7	Zone07-Comp	Solid	07/17/25 11:30	07/17/25 15:05
570-239073-8	Zone08-Comp	Solid	07/17/25 11:55	07/17/25 15:05
570-239073-9	Zone09-Comp	Solid	07/17/25 12:10	07/17/25 15:05
570-239073-10	Zone10-Comp	Solid	07/17/25 12:35	07/17/25 15:05
570-239073-11	Zone11-Comp	Solid	07/17/25 12:50	07/17/25 15:05
570-239073-12	Zone12-Comp	Solid	07/17/25 13:05	07/17/25 15:05
570-239073-13	Zone13-Comp	Solid	07/17/25 13:15	07/17/25 15:05



570-239073 Chain of Custody

CHAIN-OF-CUSTODY RECORD

Date: 7-17-25

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Login Sample Receipt Checklist

Client: GSI Environmental Inc

Job Number: 570-239073-1

Login Number: 239073

List Source: Eurofins Calscience

List Number: 1

Creator: Cortez Diaz, Antonio

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	