STEP-OUT SOIL SAMPLING REPORT

McKinley Elementary School
2401 Santa Monica Boulevard
Santa Monica, California 90404

Prepared for:

Santa Monica-Malibu Unified School District
2828 4th Street
Santa Monica, California 90405

Project Number: SMSD-23-11670
September 15, 2023

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PROFESSIONAL CERTIFICATION

We appreciate the opportunity to provide our services to you. If you have any questions, please contact us at (562) 544-3910.

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1. EXECUTIVE SUMMARY

Alta Environmental LP, an NV5 Company (NV5) has prepared this Step-Out Soil Sampling Report for the assessment of the proposed construction work areas associated with campus upgrades planned for McKinley Elementary School, located at 2401 Santa Monica Boulevard in Santa Monica, California (herein identified as the "Site"). This assessment was completed for the Santa Monica-Malibu Unified School District (SMMUSD) in accordance with NV5 proposal number SMSD-23-11670 dated July 14, 2023. The objective of the assessment was to further assess findings of an investigation completed in February 2023, which identified four Site locations where the arsenic levels in soil exceeded the State of California Department of Toxic Substances Control (DTSC) upper-bound screening level for naturally occurring arsenic in Southern California soils of 12 milligrams per kilogram (mg/kg)[1].

During this assessment, additional arsenic step-out soil samples were collected in the vicinity of the previously identified arsenic impacts to assess the potential presence of soil with arsenic concentrations exceeding Site-specific ambient background levels. If soil arsenic concentrations are greater than the calculated upper-limit local arsenic background concentration, it would indicate evidence of a release which may require remedial action.

In accordance with the DTSC *Arsenic Strategies, Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals* guidance document dated January 16, 2009 (Guidance Document), a statistical data evaluation was conducted by a board-certified toxicologist to determine the upper-limit local arsenic background concentration at the Site.

The results of the statistical data evaluation determined that the upper bound soil arsenic background concentration at the Site is greater than concentrations detected during the initial February 2023 investigation and the Step-Out Soil Sampling discussed herein. The results of the statistical analysis indicate that the soil arsenic concentrations detected at the Site are within ambient, background concentrations and not the result of a past release. Therefore, no further assessment related to Site soil arsenic levels is recommended.

It should be noted that the development at the Site will consist of construction of a new classroom building and modification to existing playground and parking lot areas. All soils within the boundaries of the Site are currently, and following completion the proposed construction activities will be, covered by a building structure or asphalt or concrete pavement, thereby eliminating any potential exposure pathways to future occupants of the Site.

NV5 understands that access to the Site will be limited and may require trained (in accordance with applicable Cal/OSHA requirements) personnel during construction activities including any proposed soil disturbance or grading. The presence of the naturally occurring arsenic containing soils at the Site should be brought to the attention of Site contractors prior to commencement of work activities so that appropriate health and safety measures can be employed during activities involving soil disturbance.

Site contractors, in consultation with their occupational health and safety professionals, should determine what mitigation measures are required when conducting soil disturbing activities at the Site. These

[1] California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number 11 Southern California Ambient Arsenic Screening Level.

mitigation measures could include, but are not limited to, a combination of measures such as awareness training, personnel air monitoring, perimeter dust monitoring, personal protective equipment (PPE) usage, and enhanced hygiene practices.

As with any soil grading project, NV5 also recommends that dust suppression and dust monitoring, as required on all grading projects by the South Coast Air Quality Management District, be implemented to limit the potential for migration of fugitive dusts.

While the levels of arsenic detected in Site soils were determined to be naturally occurring and not the result of a release, export of the soils off-site for reuse may not be acceptable. The highest concentrations of arsenic detected in Site soils are greater than the established Southern California Ambient Arsenic Screening Level; however, the detected concentrations of arsenic in Site soils may also be higher than the naturally occurring levels of arsenic present at other off-site locations, and therefore not acceptable for use as import material. If future Site activities generate soil for export, it is recommended that these soils be disposed of at a licensed waste acceptance facility.

2. BACKGROUND

2.1 Site Location and Description

McKinley Elementary School is an approximately 6.50-acre rectangular shaped campus located at 2401 Santa Monica Boulevard in the City of Santa Monica (Figure 1), serving approximately 450 students in grade levels from transitional kindergarten through fifth grade. The current campus is developed with four educational buildings and 11 portable buildings, as well as play yards and sports fields, staff and visitor parking, and programmed and unprogrammed open space. Vehicular access is from Chelsea Avenue, with student drop-off/pick-up occurring on-site. The school campus is bounded by Santa Monica Boulevard and commercial uses to the southeast, Arizona Avenue and multi-family residential uses to the northwest, and mixed multi-family and commercial uses to the northeast across Chelsea Avenue and to the southwest across 23rd Court. A dry cleaner facility is located across Chelsea Avenue near the eastern corner of the campus.

The subject of this investigation is an approximately 1.06-acre area located along the northeastern portion of the McKinley Elementary School campus (Site). As part of a proposed campus upgrade, the first phase of work will include new building construction, renovation of existing buildings, and new on-campus parking and roadways. A new two-story classroom and administration building is proposed to be constructed within the area that currently serves as staff and visitor parking. In addition, proposed renovations of the existing main campus building will include new ground and second floor connections to the main building, new staff and visitor parking lots, and construction of a new on campus drop-off/pick-up lane adjacent to Chelsea Avenue. The limits of the proposed construction activities (Site) are shown in the attached Figure 2.

2.2 Previous Investigations

Previous environmental investigations conducted at the McKinley Elementary School and the Site are listed below.

Phase I Environmental Site Assessment Report – McKinley Elementary School, 2401 Santa Monica Boulevard, Santa Monica, California. Prepared for the Santa Monica-Malibu Unified School District. Prepared by NV5. April 19, 2022.

According to historical resources reviewed during the Phase I, the larger school campus in which the Site is located was first developed for use as a school around 1925. Since then, multiple other classroom structures were subsequently constructed throughout the campus, however the Site itself has historically only been developed with playground areas and paved parking lots.

This assessment identified the following evidence of recognized environmental conditions (RECs) in connection with the Site.

- *Regulatory database records and historical records indicate that a drycleaner has operated at the northeast adjoining property located at 2441 Santa Monica Boulevard from at least 1991 to present day. Records indicate that dry-cleaning equipment that utilized perchloroethylene (PCE, a chlorinated solvent) was used at this facility. While evidence of violations, leaks, spills, or releases were not identified, based on the proximity of this facility to the Site and the inherent environmental risk associated with dry-cleaning facilities, these listings are considered to represent a REC.*
- *Based on the age of historical and current structures on the Site, arsenic, lead-based paint, asbestos, pesticides, and polychlorinated biphenyls (PCBs) in caulking may have been historically used at the Site. As a result, there is a potential for these compounds to be present in the shallow soils onsite.*

NV5 recommended conducting a limited Phase II ESA to determine if dry-cleaning operations on the northeastern adjoining property had negatively impacted the Site. Additionally, NV5 recommended a limited Phase II subsurface investigation be conducted in areas of proposed soil disturbance to evaluate shallow soil conditions with respect to lead, arsenic, PCBs, and pesticides.

Environmental Site Investigation Report – McKinley Elementary School, 2401 Santa Monica Boulevard, Santa Monica, California. Prepared for the Santa Monica-Malibu Unified School District. Prepared by NV5. April 27, 2023.

This assessment included the collection and analysis of soil samples from twelve locations throughout the Site for lead, arsenic, PCBs, and pesticides and the collection of soil vapor samples from three soil vapor probe locations on the eastern portion of the Site.

The results of the laboratory analysis identified trace concentrations of PCBs and pesticides in samples collected at two locations; however, all detected concentrations were below applicable health risk screening levels. Lead was detected in all collected soil samples; however, none of the detected concentrations exceeded the residential risk screening level for lead in soil. Arsenic was detected at four locations (B7, B8, B10, and B11) at concentrations that exceeded the DTSC upper-bound arsenic screening level for Southern California soils of 12 mg/kg. Based on these findings, NV5 recommended that additional step-out sampling be conducted to determine the extent of arsenic impacted soils above the Southern California ambient arsenic screening level and that once delineated, the impacted soil should be excavated and removed from the Site for disposal.

Concentrations of multiple VOCs in excess of risk screening levels were identified in soil vapor samples collected from both the 5-foot and 15-foot depth probes at all three soil vapor sample locations (SV1 through SV3). Concentrations of PCE tended to increase with depth and proximity to the existing adjoining upgradient dry-cleaner property. Conversely, concentrations of petroleum hydrocarbon (benzene, toluene, ethylbenzene, etc.) related constituents decreased with depth and proximity to the adjoining dry-cleaner.

Historical resources indicated that the original structures at the campus were constructed in the 1920's on vacant land that was reported to have been used for the cultivation of beans. No historical or current uses of chlorinated solvents or petroleum products at the McKinley school campus were identified during the Phase I ESA, thereby indicating the source of the VOC impacts to be from an undetermined off-site source. As the off-site source(s) and extent of soil vapor impacts are currently unknown, NV5 recommended that additional soil vapor assessment be conducted at the Site to further evaluate the potential risk of vapor intrusion to proposed structures and to assess if mitigation measures would be warranted. Additional soil vapor sampling at the Site and indoor air sampling throughout the McKinley Elementary School campus was conducted throughout June and July 2023. The results of these investigations are published under separate cover.

3. STEP-OUT SOIL SAMPLING

3.1 Pre-field Activities

3.1.1 Health and Safety Plan

Prior to conducting field work for the project, NV5 prepared a site-specific Health and Safety Plan (HASP) that was implemented per California Occupational Safety and Health Administration (OSHA) California Code of Regulations (CCR) Title 8, Section 5192 requirements. The HASP presented an overview of the scope of work and discussions of potential job hazards that could be encountered during the investigation. All field personnel were required to review and sign the HASP before beginning any fieldwork.

Daily tailgate meetings were held with NV5 personnel and subcontractors at the beginning of each day during the investigation. The plan of the day, potential safety hazards, and site-specific safety procedures were discussed during the tailgate meetings.

All NV5 personnel conducting field work onsite have received the OSHA Hazardous Waste Operations training in accordance with 29 CFR 1910.120 and CCR Title 8, Section 5192. The investigation work was completed with no reportable injuries or illnesses.

3.1.2 Utility Clearance and Geophysical Survey

The proposed boring locations were marked with white spray paint, as required by Underground Service Alert (USA). On July 13, 2023, NV5 notified USA of the proposed sampling activities (USA Notification ID: A231941066-00A). USA then notified the companies and agencies that may have underground utilities in the vicinity to mark their respective utilities on the ground with spray paint so that the utilities could be avoided during sampling.

NV5 conducted a geophysical survey (survey) of the Site to independently clear each of the soil boring/soil vapor probe locations to ensure that buried utilities would not be encountered during soil sampling. On July 20, 2023, NV5's subcontractor, SoCal Locators, surveyed the Site using a combination of electromagnetic induction, magnetometry, and ground penetrating radar.

3.2 Sample Collection and Analysis

Subsurface soil sampling activities were conducted at the Site on July 25 and 26, 2023. Soil sampling activities were conducted by properly trained NV5 staff under the supervision of Eric Fraske, a State of California registered Civil Professional Engineer (PE).

3.2.1 Soil-Matrix Sample Collection and Analysis

32 shallow soil borings were advanced throughout the Site (Figures 3 through 6) using direct push drilling equipment operated by Strongarm Environmental Field Services. At each boring location, soil samples were collected at depths of 2, 4, 6, and 8 feet below ground surface (bgs).

Soil samples were collected in core samplers lined with acetate tubes, sealed with Teflon® sleeves and plastic endcaps, and labeled with the boring identification number, sample depth, date, and time of collection. Following collection, each sample was placed in a chilled cooler for transport to the California-certified environmental laboratory, Eurofins CalScience of Tustin, California. The details of the soil samples were recorded on a chain-of-custody form including the sample identification, date and time of collection, sample matrix, containers, preservative, requested analyses, sampler's name, couriers used, and responsible laboratory personnel.

The soil encountered during the investigation was logged continuously using the Unified Soils Classification System (USCS) under the supervision of a California PE. The lithology, field observations, and sampling depths of the borings were documented on sampling logs (included in Appendix A).

All collected soil samples were analyzed for arsenic by United States Environmental Protection Agency (USEPA) Method 6020. Laboratory analytical reports and chain-of-custody documentation for the soil samples are presented in Appendix B.

Following completion of the soil sampling, all borings were backfilled with hydrated bentonite chips and patched with cold-patch asphalt to match existing surface conditions.

3.2.2 Equipment Decontamination

All soil sampling equipment was decontaminated with a three-bucket wash consisting of a non-phosphate cleaning solution, tap water, and a final rinse in distilled water.

3.2.3 Quality Assurance/Quality Control (QA/QC)

Four duplicate soil samples (B7A-6 DUP, B08W-2 DUP, B10E-2 DUP and B11E-4 DUP) and two equipment blank (EB) samples were collected for analysis. The duplicate soil samples and EB samples were analyzed for the same constituents as the primary samples (arsenic).

3.2.4 Investigation Derived Waste (IDW)

IDW, including equipment decontamination water, soil cuttings, used personal protective equipment (PPE), and sampling supplies generated during this sampling event was contained in an appropriately labeled 55-gallon drum, which was temporarily stored on-site pending waste characterization. Subsequent laboratory analysis of the drummed material classified the IDW as non-hazardous waste. The drum was transported to a licensed waste disposal facility by a licensed waste hauler (Belshire Environmental Services, Inc.) for disposal on August 14, 2023. A copy of the waste manifest is presented in Appendix D.

4. INVESTIGATION RESULTS

4.1 Lithology

Soils encountered at the Site generally consisted of sandy clays and clayey and silty sands. Groundwater was not encountered at any sample location.

4.2 Laboratory Analytical Results

A tabulated summary of arsenic concentrations detected in the soil matrix samples is presented on Table 1. Laboratory analytical reports and chain-of-custody documentation are presented in Appendix C.

Laboratory results where analyte concentrations were not detected above the laboratory method detection limit (MDL) are identified as "ND" along with the corresponding MDL. Analytical concentrations detected above the MDL, but below the laboratory reporting limit (RL) are considered estimated values and are reported with a "J-flag" identifier (J).

Concentrations of arsenic in soil were evaluated in accordance with the 2009 *DTSC Arsenic Strategies, Determination of Arsenic Remediation, Determination of Arsenic Cleanup Goals for Proposed and Existing School Sites* as further discussed in Section 5.

4.2.1 Arsenic in Soil

- Arsenic was detected in all collected soil samples at concentrations ranging between 2.5 and 20.9 mg/kg. The maximum detected concentration of arsenic was detected in sample B07WW-2, collected at sample location B07WW at a depth of 2 ft bgs.

4.2.2 QA/QC

- The samples were received by the laboratory in good condition, properly preserved, and on ice. Laboratory analysis was conducted within the applicable laboratory method holding times.
- Arsenic was detected at an estimated concentration of 0.199J micrograms per liter (µg/L) in the EB sample collected on July 25, 2023 (EB072523) and at an estimated concentration of 0.241J µg/L in the EB sample collected on July 26, 2023 (EB072623). These trace concentrations are well below (several orders of magnitude) the minimum concentration of arsenic detected in the soil samples. Therefore, the detected concentrations of arsenic in the soil samples are considered valid.
- The concentrations of arsenic in the duplicate soil samples (B07A-6 DUP, B08W-2 DUP, B10E-2DUP, and B11E-4 DUP) were similar to concentrations of arsenic detected in the corresponding primary samples (B07A-6, B08W-2, B10E-2, and B11E-4).

5. STATISTICAL DATA EVALUATION

Due to the prevalence of naturally occurring arsenic of varying concentrations in Southern California soils, the DTSC developed the January 16, 2009 *Arsenic Strategies, Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals* guidance document (Guidance Document) for sites where concentrations of arsenic may exceed naturally occurring background levels (in this case, the aforementioned 12 mg/kg). The Guidance Document presents data evaluation methods to determine the site-specific background level of arsenic and to assess whether arsenic remediation is warranted.

NV5 engaged a board-certified toxicologist (Enviro-Tox) to conduct a statistical evaluation of the arsenic data to determine the upper limit of local arsenic background concentration at the Site. In accordance with Guidance Document, all available soil arsenic data for the Site, including the concentrations of arsenic detected in soil samples collected during the initial assessment in February 2023, were included in the statistical analyses. The data evaluation is presented in Appendix D. The statistical methods used in the data evaluation were taken directly from the Guidance Document.

The results of the analysis indicated that the 95 percent upper confidence limit of the 99th quartile of the arsenic data set concentration at the Site is 22.15 mg/kg, which is greater than all detected concentrations of arsenic at the Site. The results of the statistical analysis indicated that all soil arsenic concentrations identified for the Site are within ambient, background concentrations and not the result of an arsenic release.

6. CONCLUSIONS AND RECOMMENDATIONS

This investigation was conducted for the purpose of further investigating concentrations of arsenic previously identified in soil at the Site. The following are NV5's conclusions for this investigation based on the reported laboratory results and the statistical data evaluation.

- Soils at the Site consist primarily of sandy clays and clayey and silty sands to the maximum explored depth of 8 feet bgs. Groundwater was not encountered during this assessment.
- Arsenic was detected in all collected soil samples at concentrations ranging between 2.5 and 20.9 milligrams per kilogram (mg/kg). The maximum detected concentration of arsenic was detected in the sample collected from location B07WW at a depth of 2 ft bgs.
- A statistical data evaluation of all available soil arsenic data for the Site (including the concentrations of arsenic detected in soil samples collected during the initial assessment in February 2023), was conducted to determine the upper limit local arsenic background concentration. The results of the statistical data evaluation determined that the upper bound soil arsenic background concentration at the Site is 22.15 mg/kg, which is greater than all detected concentrations of arsenic at the Site. The results of the statistical analysis indicated that all soil arsenic concentrations identified for the Site are within ambient, background concentrations and not the result of a past release. Therefore, no further assessment is recommended.
- It should be noted that the development at the Site will consist of construction of a new classroom building and modification to existing playground and parking lot areas. All soils within the boundaries of the Site are currently, and following completion the proposed construction activities will be, covered by a building structure or asphalt or concrete pavement, thereby eliminating any potential exposure pathways to future occupants of the Site.
- NV5 understands that access to the Site will be limited and may require trained (in accordance with applicable Cal/OSHA Requirements) personnel during construction activities including any proposed soil disturbance or grading. The presence of the naturally occurring arsenic containing soils at the Site should be brought to the attention of Site contractors prior to commencement of work activities so that appropriate health and safety measures can be employed during activities involving soil disturbance.

  Site contractors, in consultation with their occupational health and safety professionals, should determine what mitigation measures are required when conducting soil disturbing activities at the Site. These mitigation measures could include, but are not limited to, a combination of measures such as awareness training, personnel air monitoring, perimeter dust monitoring, PPE usage, and enhanced hygiene practices.

As with any soil grading project, NV5 also recommends that dust suppression and dust monitoring, as required on all grading projects by the South Coast Air Quality Management District, be implemented to limit the potential for migration of fugitive dusts.

- While the levels of arsenic detected in Site soils were determined to be naturally occurring and not the result of a release, export of the soils off-site for reuse may not be acceptable. The highest concentrations of arsenic detected in Site soils are greater than the established Southern California Ambient Arsenic Screening Level; however, the detected concentrations of arsenic in Site soils may also be higher than the naturally occurring levels of arsenic present at other off-site locations, and therefore not acceptable for use as import material. If future Site activities generate soil for export, it is recommended that these soils be disposed of at a licensed waste acceptance facility.

7. WARRANTY

7.1 Warranty

NV5 warrants that the findings and conclusions reported herein were conducted in general accordance with standard industry practices. The conclusions presented in the report are based solely on the services described herein and not on scientific tasks or procedures beyond the scope of agreed upon services.

The step-out soil sampling report has been developed to provide the client with information regarding apparent indications of recognized environmental conditions relating to the Site. It is necessarily limited to the conditions observed and to the information available at the time of the work. The assessment and conclusions presented herein were based upon the subjective evaluation of limited data. They may not represent all conditions at the subject site as they reflect the information gathered from specific locations. NV5 warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted environmental investigation methodology and only for the site described in this report. The findings set forth in this report are strictly limited to the date of the evaluation.

The scope of the step-out soil sampling report was developed specifically to meet the client's stated objectives and the data that was developed may not be suitable for use to satisfy other objectives. Any limitations on the data to meet the client's stated objectives are described in the report.

Due to the limited nature of the work, there is a possibility that there may exist conditions which could not be identified within the scope of the assessment, or which were not apparent at the time of report preparation. It is also possible that the testing methods employed at the time of the report may later be superseded by other methods. The description, type, and composition of what are commonly referred to as "hazardous materials or conditions" can also change over time. NV5 does not accept responsibility for changes in the state of the art, nor for changes in the scope of various lists of hazardous materials or conditions. NV5 believes that the findings and conclusions provided in this report are reasonable. However, no other warranties are implied or expressed.

Analytical results contained in this report are limited to the corresponding sampling location, depth, sampled material, selected range of analyses and laboratory reporting limits. Additional chemical

constituents not searched for during the current study may be present in soil, soil gas and/or groundwater at the Site.

The location and concentration of contaminants can vary over time due to seasonal water table fluctuations, past disposal practices, the passage of time and other factors.

7.2 Use by Third Parties

This report was prepared pursuant to the contract NV5 has with the Santa Monica-Malibu Unified School District. That contractual relationship included an exchange of information about the subject site that was unique and between NV5 and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between NV5 and its client, reliance, or any use of this report by anyone other than the Santa Monica-Malibu Unified School District, for whom it was prepared, is prohibited and therefore not foreseeable to NV5.

Reliance on or use by any such third party without explicit authorization in the report does not make said third party a third-party beneficiary to NV5's contract with the Santa Monica-Malibu Unified School District. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties, or representations, expressed or implied in this report, are made to any such third party.

8. REFERENCES

8.1 References

Phase I Environmental Site Assessment Report – McKinley Elementary School, 2401 Santa Monica Boulevard, Santa Monica, California. Prepared for the Santa Monica-Malibu Unified School District. Prepared by NV5. April 19, 2022.

Environmental Site Investigation Report – McKinley Elementary School, 2401 Santa Monica Boulevard, Santa Monica, California. Prepared for the Santa Monica-Malibu Unified School District. Prepared by NV5. April 27, 2023.

California Department of Toxic Substances Control. Arsenic Strategies, Determination of Arsenic Remediation, Determination of Arsenic Cleanup Goals for Proposed and Existing School Sites. March 21, 2009.

California Department of Toxic Substances Control Human and Ecological Risk Office (HERO). Human Health Risk Assessment (HHRA) Note 11 Southern California Ambient Arsenic Screening Level. December 28, 2020.

TABLES

Table 1: Arsenic in Site Soil
McKinley Elementary School
2401 Santa Monica Boulevard, Santa Monica, California

Sample ID	Sample Date	Sample Depth (ftbgs)	Arsenic (mg/kg)
B2-0.5	2/20/2023	0.50	9.9
B2-2	2/20/2023	2	9.2
B3-0.5	2/20/2023	0.50	6.2
B3-2	2/20/2023	2	7.8
B4-0.5	2/20/2023	0.50	6.9
B4-2	2/20/2023	2	9
B5-0.5	2/20/2023	0.50	9.8
B5-2	2/20/2023	2	9.1
B6-0.5	2/20/2023	0.50	8.7
B6-2	2/20/2023	2	10
B7-0.5	2/20/2023	0.50	9.6
B7-0.5 DUP	2/20/2023	0.50	9.5
B7-2	2/20/2023	2	19
B7-4	2/20/2023	4	16
B07A-2	7/25/2023	2	16.9
B07A-4	7/25/2023	4	13.8
B07A-6	7/25/2023	6	9.69
B07A-6 DUP	7/25/2023	6	18.4
B07A-8	7/25/2023	8	9.42
B07E-2	7/25/2023	2	10.6
B07E-4	7/25/2023	4	16.2
B07E-6	7/25/2023	6	11.7
B07E-8	7/25/2023	8	10.3
B07EE-2	7/25/2023	2	9.96
B07EE-4	7/25/2023	4	17.4
B07EE-6	7/25/2023	6	7.9
B07EE-8	7/25/2023	8	9.96
B07N-2	7/25/2023	2	19.2
B07N-4	7/25/2023	4	13.2
B07N-6	7/25/2023	6	11.5
B07N-8	7/25/2023	8	7.85
B07NN-2	7/25/2023	2	17.1
B07NN-4	7/25/2023	4	15.6
B07NN-6	7/25/2023	6	10.1
B07NN-8	7/25/2023	8	7.5
B07W-2	7/25/2023	2	16.8
B07W-4	7/25/2023	4	15.7
B07W-6	7/25/2023	6	11
B07W-8	7/25/2023	8	8.84
B07WW-2	7/25/2023	2	20.9
B07WW-4	7/25/2023	4	13.8
B07WW-6	7/25/2023	6	7.07
B07WW-8	7/25/2023	8	6.68
B8-0.5	2/20/2023	0.50	8.7

Table 1: Arsenic in Site Soil
McKinley Elementary School
2401 Santa Monica Boulevard, Santa Monica, California

Sample ID	Sample Date	Sample Depth (ftbgs)	Arsenic (mg/kg)
B8-2	2/20/2023	2	18
B8-4	2/20/2023	4	17
B08A-2	7/25/2023	2	16
B08A-4	7/25/2023	4	7.95
B08A-6	7/25/2023	6	11.3
B08A-8	7/25/2023	8	10.8
B08E-2	7/25/2023	2	10.3
B08E-4	7/25/2023	4	17.3
B08E-6	7/25/2023	6	10.6
B08E-8	7/25/2023	8	10.1
B08EE-2	7/25/2023	2	14.4
B08EE-4	7/25/2023	4	16.9
B08EE-6	7/25/2023	6	10.1
B08EE-8	7/25/2023	8	9.14
B08S-2	7/25/2023	2	13.6
B08S-4	7/25/2023	4	15.7
B08S-6	7/25/2023	6	14.6
B08S-8	7/25/2023	8	11.8
B08SS-2	7/25/2023	2	13.8
B08SS-4	7/25/2023	4	17.2
B08SS-6	7/25/2023	6	11.5
B08SS-8	7/25/2023	8	10.5
B08W-2	7/25/2023	2	16.8
B08W-2 DUP	7/25/2023	2	8.99
B08W-4	7/25/2023	4	14.3
B08W-6	7/25/2023	6	11.4
B08W-8	7/25/2023	8	9.74
B08WW-2	7/25/2023	2	15.3
B08WW-4	7/25/2023	4	15.9
B08WW-6	7/25/2023	6	10.9
B08WW-8	7/25/2023	8	8.55
B9-0.5	2/20/2023	0.50	2.5
B9-2	2/20/2023	2.0	10
B10-0.5	2/20/2023	0.50	10
B10-2	2/20/2023	2	18
B10-4	2/20/2023	4	17
B10A-2	7/26/2023	2	9.66
B10A-4	7/26/2023	4	13.8
B10A-6	7/26/2023	6	12.6
B10A-8	7/26/2023	8	12.4
B10E-2	7/26/2023	2	6.04
B10E-2 DUP	7/26/2023	2	7.17
B10E-4	7/26/2023	4	17.1
B10E-6	7/26/2023	6	11.9

Table 1: Arsenic in Site Soil
McKinley Elementary School
2401 Santa Monica Boulevard, Santa Monica, California

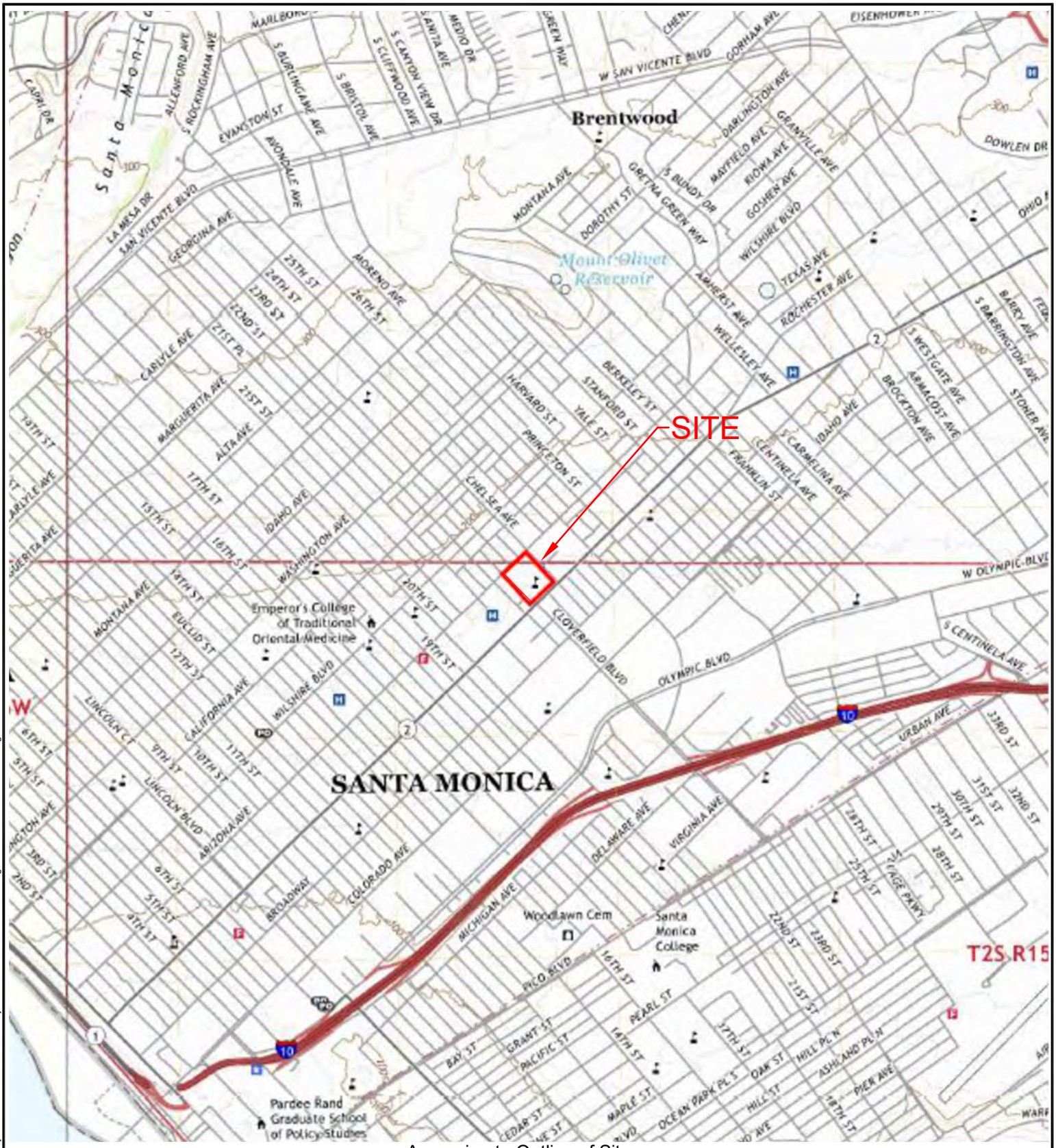
Sample ID	Sample Date	Sample Depth (ftbgs)	Arsenic (mg/kg)
B10E-8	7/26/2023	8	11.3
B10EE-2	7/26/2023	2	8.8
B10EE-4	7/26/2023	4	14.8
B10EE-6	7/26/2023	6	8.1
B10EE-8	7/26/2023	8	11.6
B10N-2	7/26/2023	2	16.8
B10N-4	7/26/2023	4	16
B10N-6	7/26/2023	6	10.8
B10N-8	7/26/2023	8	12.2
B10NN-2	7/26/2023	2	19.6
B10NN-4	7/26/2023	4	16
B10NN-6	7/26/2023	6	11
B10NN-8	7/26/2023	8	11.6
B10S-2	7/26/2023	2	6.83
B10S-4	7/26/2023	4	16
B10S-6	7/26/2023	6	11.5
B10S-8	7/26/2023	8	11.9
B10SS-2	7/26/2023	2	12.9
B10SS-4	7/26/2023	4	16.1
B10SS-6	7/26/2023	6	11.1
B10SS-8	7/26/2023	8	12.7
B10W-2	7/26/2023	2	10.1
B10W-4	7/26/2023	4	16
B10W-6	7/26/2023	6	12.5
B10W-8	7/26/2023	8	13.5
B10WW-2	7/26/2023	2	14.6
B10WW-4	7/26/2023	4	16
B10WW-6	7/26/2023	6	10.3
B10WW-8	7/26/2023	8	10.1
B11-0.5	2/20/2023	0.50	8.9
B11-2	2/20/2023	2	13
B11-4	2/20/2023	4	19
B11A-2	7/25/2023	2	10.8
B11A-4	7/25/2023	4	11.9
B11A-6	7/25/2023	6	12.7
B11A-8	7/25/2023	8	14.6
B11E-2	7/25/2023	2	8.53
B11E-4	7/25/2023	4	18.9
B11E-4 DUP	7/25/2023	4	8.79
B11E-6	7/25/2023	6	16.3
B11E-8	7/25/2023	8	12.9
B11EE-2	7/25/2023	2	13.5
B11EE-4	7/25/2023	4	19
B11EE-6	7/25/2023	6	12.9

Table 1: Arsenic in Site Soil
McKinley Elementary School
2401 Santa Monica Boulevard, Santa Monica, California

Sample ID	Sample Date	Sample Depth (ftbgs)	Arsenic (mg/kg)
B11EE-8	7/25/2023	8	11.6
B11N-2	7/25/2023	2	10.8
B11N-4	7/25/2023	4	13.7
B11N-6	7/25/2023	6	17.6
B11N-8	7/25/2023	8	13
B11NN-2	7/25/2023	2	9.96
B11NN-4	7/25/2023	4	15.3
B11NN-6	7/25/2023	6	14.1
B11NN-8	7/25/2023	8	11.2
B11S-2	7/25/2023	2	9.38
B11S-4	7/25/2023	4	17.7
B11S-6	7/25/2023	6	15.7
B11S-8	7/25/2023	8	16.5
B11SS-2	7/25/2023	2	10.1
B11SS-4	7/25/2023	4	18.3
B11SS-6	7/25/2023	6	15.4
B11SS-8	7/25/2023	8	13.9
B11W-2	7/25/2023	2	9.63
B11W-4	7/25/2023	4	16.7
B11W-6	7/25/2023	6	16
B11W-8	7/25/2023	8	12.3
B11WW-2	7/25/2023	2	14.7
B11WW-4	7/25/2023	4	18.9
B11WW-6	7/25/2023	6	15.3
B11WW-8	7/25/2023	8	14.8
B12-0.5	2/20/2023	0.50	8.1
B12-2	2/20/2023	2	ND (<.0.74)

Notes:
All concentrations are reported in milligrams per kilogram (mg/kg)
Sample depths are reported in feet below ground surface (ftbgs)
ND: Not detected above the reported laboratory method detection limit
DUP: Duplicate sample

FIGURES



Approximate Outline of Site

FIGURE 1: Site Location Map

CLIENT: Santa Monica-Malibu Unified School District	SITE LOCATION: 2401 Santa Monica Boulevard, Santa Monica, California 90404
PROJECT #: SMSD-23-11670	

NV5 ALTA ENVIRONMENTAL

3777 Long Beach Blvd., Annex Bldg.
Long Beach, CA 90807
(562) 495-5777 www.altaenviron.com

DRAWN: ED	APPROVED: EF	NORTH
SCALE: None	DATE: 7/10/2023	

W:\Clients N-S\Santa Monica-Malibu USD (SMSD)\McKinley ES\SMSD-23-11335 McKinley Site Assessment\Photos - Drawings\AutoCAD\SMSD-23-11335.dwg

Residential
1301 Chelsea Avenue

Residential
1311 Chelsea Avenue

Residential
1319 Chelsea Avenue

Residential
1321 Chelsea Avenue

Residential
1325 Chelsea Avenue

Residential
1335 Chelsea Avenue

Residential
1343 Chelsea Avenue

Residential
2415 Arizona Avenue

Residential
2411 Arizona Avenue

Residential
2317 Arizona Avenue

Residential
2303 Arizona Avenue

Residential
2304-2308 Chelsea Avenue

Residential
1305 23rd Street

Residential
1311 23rd Street

Residential
1319 23rd Street

Residential
1323 23rd Street

Residential
1327 23rd Street

Residential
1331 23rd Street

Residential
1335 23rd Street

Residential
1337 23rd Street

Residential
1341 23rd Street

Apartments
2301 Santa Monica

Beauty Supply Store
2307 Santa Monica
Mail Center
2309 Santa Monica
Thai Vegan
2311 Santa Monica

Arizona Avenue

Chelsea Avenue

23rd Court

Santa Monica Boulevard

1.06 Acres

Cleaners and Big Waves Laundry
2439-2441 Santa Monica Blvd.

McKinley Elementary School
2401 Santa Monica Boulevard

Santa Monica VW
2440 Santa Monica

UCLA Parkside
2428 Santa Monica

Parkside Medical Center
2336 Santa Monica

Wishing Well Medical Supply
2312 Santa Monica

LEGEND:

Campus Boundary

Site Boundary

APPX. SCALE:
1" = 150'
0 — 150' — 1"

NORTH

FIGURE 2: Site Vicinity Map

CLIENT: Santa Monica
Malibu Unified School District

DRAWN: AHL | APPROVED: EF

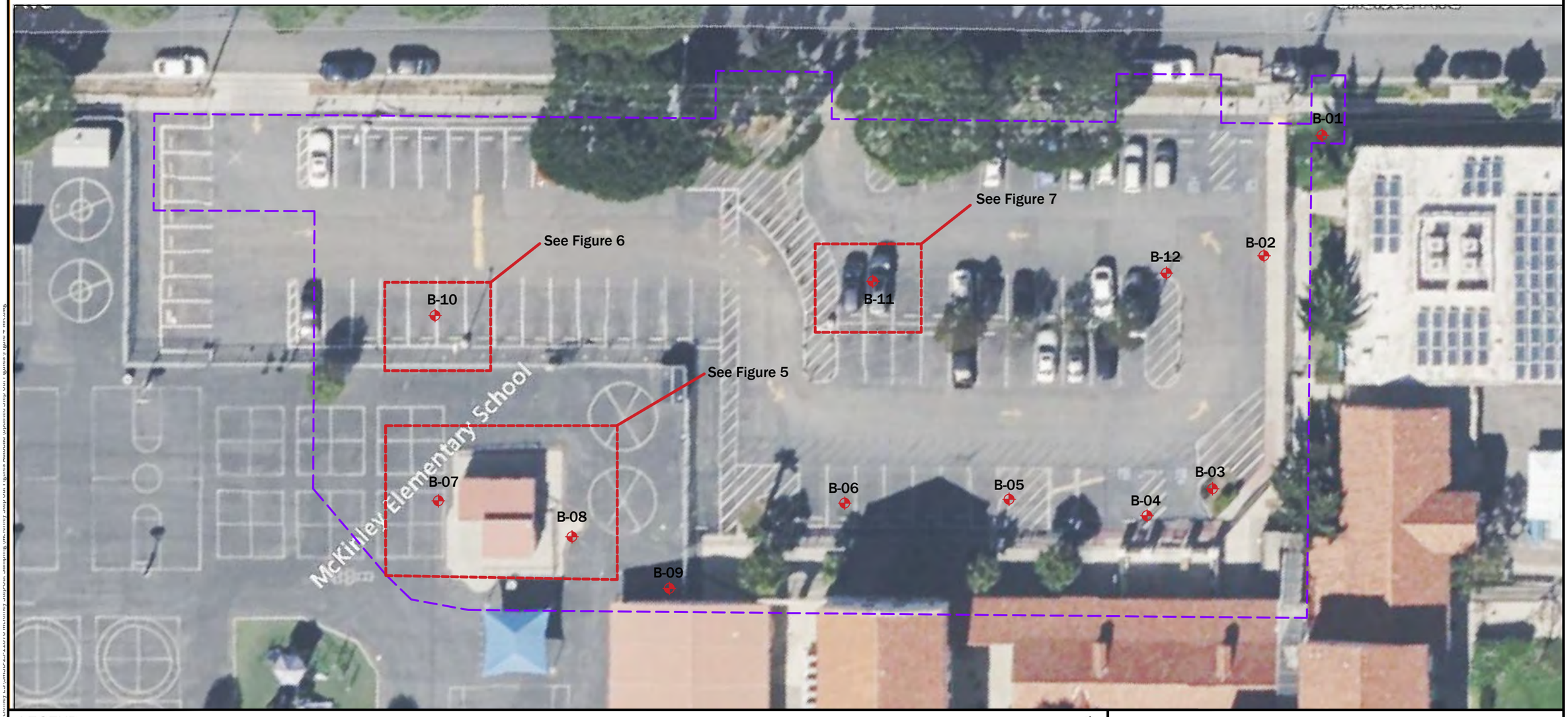
SCALE: NTS | DATE: JULY 2023

SITE LOCATION:
McKinley Elementary School
2401 Santa Monica Boulevard
Santa Monica, California 90404

PROJECT #: SMSD-23-11670

NV5
ALTA ENVIRONMENTAL
3777 Long Beach Blvd. Annex Bldg. Long Beach CA 90807
P: (562) 495-5777 ♦ F: (562) 495-5877 ♦ altaenviron.com

W:\Clients N-S\Santa Monica-Malibu USD (SMSD)\McKinley ES\SMSD-23-11335 McKinley Site Assessment\Photos - Drawings\AutoCAD\SMSD-23-11335.dwg



LEGEND:

- Approximate Site Boundary
- Approximate Extents of Step Out Borings, July 2023
- Approximate Location of Previous Soil Borings, February 2023

APPX. SCALE: 1" = 30' (0 to 30', 1")

NORTH

FIGURE 3: Soil Boring Locations

CLIENT: Santa Monica Malibu Unified School District	DRAWN: NS	APPROVED: EF
	SCALE: 1" = 30'	DATE: Aug. 2023
SITE LOCATION: McKinley Elementary School 2401 Santa Monica Boulevard Santa Monica, California 90404		
PROJECT #: SMSD-23-11670		

NV5 ALTA ENVIRONMENTAL
3777 Long Beach Blvd. Annex Bldg. Long Beach CA 90807
P: (562) 495-5777 ♦ F: (562) 495-5877 ♦ altaenviron.com

LEGEND:

- Approximate Site Boundary
- Approximate Step Out Boring Locations, July 2023
- Approximate Location of Previous Soil Borings, February 2023

APPX. SCALE: 1" = 10'

0 — 1" — 10'

NORTH

FIGURE 4: B-07 and B-08 Associated Step Out Borings

CLIENT: Santa Monica Malibu Unified School District	DRAWN: NS	APPROVED: EF
	SCALE: 1" = 10'	DATE: Aug. 2023
SITE LOCATION: McKinley Elementary School 2401 Santa Monica Boulevard Santa Monica, California 90404		
PROJECT #: SMSD-23-11670		

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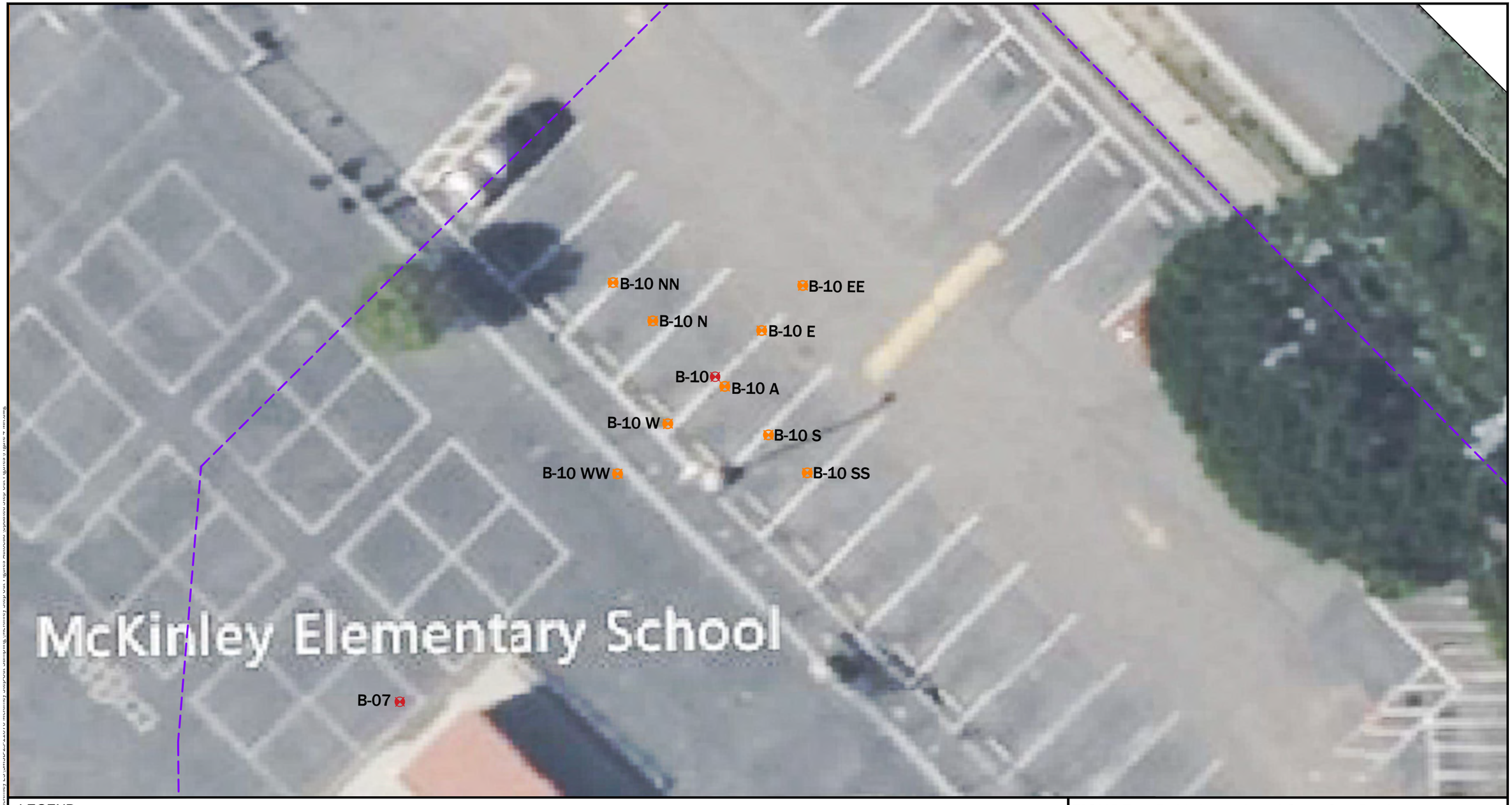

LEGEND:

- Approximate Site Boundary
- Approximate Step Out Boring Locations, July 2023
- Approximate Location of Previous Soil Borings, February 2023

APPX. SCALE: 1" = 10'

0 — 1" — 10'

NORTH

FIGURE 5: B-10 Associated Step Out Borings

CLIENT: Santa Monica Malibu Unified School District	DRAWN: NS	APPROVED: EF
	SCALE: 1" = 10'	DATE: Aug. 2023
SITE LOCATION: McKinley Elementary School 2401 Santa Monica Boulevard Santa Monica, California 90404		
PROJECT #: SMSD-23-11670		

NV5 ALTA ENVIRONMENTAL
3777 Long Beach Blvd. Annex Bldg. Long Beach CA 90807
P: (562) 495-5777 ♦ F: (562) 495-5877 ♦ altaenviron.com

LEGEND:

- Approximate Site Boundary
- Approximate Step Out Boring Locations, July 2023
- Approximate Location of Previous Soil Borings, February 2023

APPX. SCALE: 1" = 10'

0 — 1" — 10'

NORTH

FIGURE 6: B-11 Associated Step Out Borings

CLIENT: Santa Monica Malibu Unified School District	DRAWN: NS	APPROVED: EF
	SCALE: 1" = 10'	DATE: Aug. 2023
SITE LOCATION: McKinley Elementary School 2401 Santa Monica Boulevard Santa Monica, California 90404		
PROJECT #: SMSD-23-11670		

NV5 ALTA ENVIRONMENTAL
3777 Long Beach Blvd. Annex Bldg. Long Beach CA 90807
P: (562) 495-5777 ♦ F: (562) 495-5877 ♦ altaenviron.com

APPENDIX A

Soil Sampling Logs

Field Sampling Summary Log

Project Name: McKinley ES Step-Out Borings Project Number: SMSD-23-11670 Sampling Date: 07/25/2023 Logged by: Noah Stevens, Ruta Bandziulis, and Eric Fraske	Driller: Strongarm Enviornmental Field Services, Inc. Drilling Method: Geoprobe Boring Diameter: 2.25 Inches

Soil Boring Location	Ground Surface	Soil Sample Depth (Feet bgs)	Soil Description	Soil Sample ID	Soil Sample Time
B07-WW	Asphalt	2	Medium brown clay	B07WW-2	13:57
		4	Medium brown clay with fine sand	B07WW-4	13:58
		6	Dark brown clay with silt	B07WW-6	14:02
		8	Dark brown clay with silt	B07WW-8	14:03
B07-W	Asphalt	2	Medium brown clay with silt	B07W-2	14:11
		4	Medium brown clay	B07W-4	14:12
		6	Medium brown clay with silt	B07W-6	14:13
		8	Medium brown clay with fine sand	B07W-8	14:14
B07-A	Asphalt	2	Light brown clay with fine sand	B07A-2	14:19
		4	Medium brown clay with fine sand	B07A-4	14:18
		6	Dark brown clay with fine sand	B07A-6 + Dup	14:21
		8	Medium brown clay with fine sand	B07A-8	14:22
B07-E	Asphalt	2	Medium brown clay	B07E-2	14:39
		4	Medium brown clay	B07E-4	14:40
		6	Medium brown clay with fine sand	B07E-6	14:42
		8	Medium brown clay with fine sand	B07E-8	14:43
B07-N	Asphalt	2	Medium brown clay	B07N-2	14:52
		4	Medium brown clay with silt	B07N-4	14:53
		6	Medium brown clay with fine sand	B07N-6	14:54
		8	Medium brown clay with coarse sand	B07N-8	14:55
B07-NN	Asphalt	2	Dark brown clay	B07NN-2	15:05
		4	Medium brown clay	B07NN-4	15:06
		6	Light brown clay with sand	B07NN-6	15:08
		8	Dark brown clay with fine sand	B07NN-8	15:09
B07-EE	Asphalt	2	Dark brown clay with fine sand	B07EE-2	15:23
		4	Dark brown clay with fine sand	B07EE-4	15:25
		6	Light brown clay with silt and fine sand	B07EE-6	15:27
		8	Light brown clay with silt and fine sand	B07EE-8	15:28

Notes:
Groundwater was not encountered at any sampling location
Dup: Duplicate Sample
bgs: Below ground surface

Field Sampling Summary Log

Project Name: McKinley ES Step-Out Borings Project Number: SMSD-23-11670 Sampling Date: 07/25/2023 Logged by: Noah Stevens, Ruta Bandziulis, and Eric Fraske	Driller: Strongarm Enviornmental Field Services, Inc. Drilling Method: Geoprobe Boring Diameter: 2.25 Inches

Soil Boring Location	Ground Surface	Soil Sample Depth (Feet bgs)	Soil Description	Soil Sample ID	Soil Sample Time
B08-WW	Asphalt	2	Brown sandy clay	B08WW-2	11:15
		4	Brown clay with sand	B08WW-4	11:16
		6	Brown clay with sand	B08WW-6	11:17
		8	Brown clayey sand	B08WW-8	11:18
B08-W	Asphalt	2	Brown clay	B08W-2 + Dup	11:19
		4	Brown clay with sand	B08W-4	11:20
		6	Dark brown sandy clay	B08W-6	11:30
		8	Greyish-brown silty clay with gravel	B08W-8	11:31
B08-A	Asphalt	2	Brown clay	B08A-2	11:35
		4	Brown sandy clay	B08A-4	11:37
		6	Brown sandy clay	B08A-6	11:40
		8	Brown sandy clay	B08A-8	11:41
B08-SS	Asphalt	2	Brown sandy clay	B08SS-2	11:47
		4	Brown sandy clay	B08SS-4	11:49
		6	Brown sandy clay	B08SS-6	11:53
		8	Greyish-brown silty sand	B08SS-8	11:55
B08-S	Asphalt	2	Brown clay	B08S-2	11:57
		4	Brown sandy clay	B08S-4	11:58
		6	Brown sandy clay	B08S-6	12:03
		8	Brown clayey sand	B08S-8	12:05
B08-E	Asphalt	2	Dark brown sandy clay	B08E-2	12:10
		4	Brown sandy clay	B08E-4	12:12
		6	Brown sandy clay with gravel	B08E-6	12:14
		8	Light brown sandy clay	B08E-8	12:15
B08-EE	Asphalt	2	Brown clay	B08EE-2	12:20
		4	Brown clay	B08EE-4	12:22
		6	Greyish-brown clayey sand with gravel	B08EE-6	12:25
		8	Olive brown silty sand	B08EE-8	12:27

Notes:
Groundwater was not encountered at any sampling location
Dup: Duplicate Sample
bgs: Below ground surface

Field Sampling Summary Log

Project Name: McKinley ES Step-Out Borings Project Number: SMSD-23-11670 Sampling Date: 07/26/2023 Logged by: Noah Stevens, Ruta Bandziulis, and Eric Fraske	Driller: Strongarm Enviornmental Field Services, Inc. Drilling Method: Geoprobe Boring Diameter: 2.25 Inches

Soil Boring Location	Ground Surface	Soil Sample Depth (Feet bgs)	Soil Description	Soil Sample ID	Soil Sample Time
B10-NN	Asphalt	2	Medium brown clay	B10NN-2	9:05
		4	Medium brown clay	B10NN-4	9:06
		6	Medium brown clay with silt	B10NN-6	9:07
		8	Medium brown clay with sand	B10NN-8	9:08
B10-N	Asphalt	2	Medium brown clay with silt	B10N-2	9:10
		4	Medium brown clay with silt	B10N-4	9:11
		6	Medium brown clay with fine sand	B10N-6	9:13
		8	Medium brown clay with fine sand	B10N-8	9:14
B10-A	Asphalt	2	Medium brown clay	B10A-2	9:19
		4	Medium brown clay with silt	B07A-4	9:20
		6	Medium brown clay with fine sand	B10A-6	9:24
		8	Medium brown clay with sand	B10A-8	9:25
B10-E	Asphalt	2	Medium brown clay	B10E-2 + Dup	9:35
		4	Medium brown clay	B10E-4	9:37
		6	Medium brown clay with sand	B10E-6	9:38
		8	Medium brown clay with fine gravel	B10E-8	9:39
B10-EE	Asphalt	2	Medium brown clay	B10EE-2	9:44
		4	Medium brown clay	B10EE-4	9:45
		6	Dark brown clay with silt	B10EE-6	9:47
		8	Medium brown clay	B10EE-8	9:48
B10-WW	Asphalt	2	Medium brown clay with silt	B10WW-2	10:00
		4	Medium brown clay	B10WW-4	10:01
		6	Medium brown clay with fine sand	B10WW-6	10:03
		8	Medium brown clay	B10WW-8	10:04
B10-W	Asphalt	2	Medium brown clay	B10W-2	10:15
		4	Medium brown clay	B10W-4	10:16
		6	Medium brown clay with silt	B10W-6	10:20
		8	Medium brown clay with fine sand	B10W-8	10:21
B10-S	Asphalt	2	Medium brown clay with silt	B10S-2	10:25
		4	Dark brown clay	B10S-4	10:26
		6	Medium brown clay with fine sand	B10S-6	10:30
		8	Medium brown clay with sand	B10S-8	10:31
B10-SS	Asphalt	2	Medium brown clay with silt	B10SS-2	10:33
		4	Medium brown clay with fine sand	B10SS-4	10:34
		6	Medium brown clay with sand	B10SS-6	10:38
		8	Medium brown clay with coarse sand and gravel	B10SS-8	10:40

Notes:
Groundwater was not encountered at any sampling location
Dup: Duplicate Sample

Field Sampling Summary Log

Project Name: McKinley ES Step-Out Borings Project Number: SMSD-23-11670 Sampling Date: 07/25/2023 Logged by: Noah Stevens, Ruta Bandziulis, and Eric Fraske	Driller: Strongarm Enviornmental Field Services, Inc. Drilling Method: Geoprobe Boring Diameter: 2.25 Inches

Soil Boring Location	Ground Surface	Soil Sample Depth (Feet bgs)	Soil Description	Soil Sample ID	Soil Sample Time
B11-E	Asphalt	2	Brown silty sand	B11E-2	8:47
		4	Light brown clayey sand	B11E-4 + Dup	8:49
		6	Light brown clayey sand	B11E-6	8:50
		8	Light brown silty sand	B11E-8	8:51
B11-EE	Asphalt	2	Brown silty sand	B11EE-2	8:56
		4	Brown silty sand	B11EE-4	8:57
		6	Light brown silty sand	B11EE-6	8:59
		8	Light brown clay	B11EE-8	9:00
B11-SS	Asphalt	2	Dark brown clayey sand	B11SS-2	9:05
		4	Brown clayey sand	B11SS-4	9:06
		6	Light brown sandy silt	B11SS-6	9:10
		8	Brown clayey sand	B11SS-8	9:11
B11-S	Asphalt	2	Brown sandy clay	B11S-2	9:15
		4	Brown sandy clay	B11S-4	9:16
		6	Greyish-brown sandy silt	B11S-6	9:20
		8	Brown silty sand	B11S-8	9:21
B11-WW	Asphalt	2	Brown sandy clay	B11WW-2	9:25
		4	Brown clayey sand	B11WW-4	9:27
		6	Brown sandy clay	B11WW-6	9:30
		8	Brown clay	B11WW-8	9:31
B11-W	Asphalt	2	Brown sandy clay	B11W-2	9:35
		4	Brown sandy clay	B11W-4	9:36
		6	Light brown silty sand	B11W-6	9:40
		8	Brown clayey sand	B11W-8	9:41
B11-N	Asphalt	2	Brown sandy clay	B11N-2	9:46
		4	Light brown sandy silt	B11N-4	9:47
		6	Brown sandy clay	B11N-6	9:49
		8	Brown clayey sand	B11N-8	9:50
B11-NN	Asphalt	2	Brown sandy clay	B11NN-2	9:54
		4	Light brown sandy clay	B11NN-4	9:55
		6	Light brown clay	B11NN-6	10:00
		8	Brown sandy clay	B11NN-8	10:01
B11-A	Asphalt	2	Brown clay with sand	B11A-2	10:04
		4	Brown sandy clay	B11A-4	10:05
		6	Brown sandy clay	B11A-6	10:08
		8	Brown sandy clay	B11A-8	10:10

Notes:
Groundwater was not encountered at any sampling location
Dup: Duplicate Sample
bgs: Below ground surface

APPENDIX B

Laboratory Analytical Results

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Eric Fraske
NV5, Inc
3777 Long Beach Blvd,
Long Beach, California 90807

Generated 7/31/2023 10:05:01 AM

JOB DESCRIPTION

McKinley Elementary School

JOB NUMBER

570-146364-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

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.

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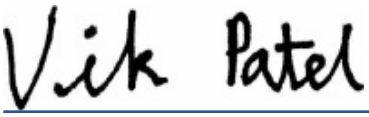

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7/31/2023 10:05:01 AM

Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494

Table of Contents

Definitions/Glossary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-1

Qualifiers

Metals

Qualifier	Qualifier Description
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: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-1

Job ID: 570-146364-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-146364-1

Comments
No additional comments.

Receipt
The samples were received on 7/26/2023 1:50 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 3.9º C, 4.2º C and 4.5º C.

Receipt Exceptions
The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): B11E-6 (570-146364-4). The container labels list B11E-6 (570-146364-4) with a time of 8:58, while the COC lists B11E-6 (570-146364-4) with a time of 8:50.

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

Detection Summary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-1

Client Sample ID: B11E-2 — Lab Sample ID: 570-146364-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.53		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B11E-4 — Lab Sample ID: 570-146364-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	18.9		0.508	0.0928	mg/Kg	20		6020	Total/NA

Client Sample ID: B11E-4 DUP — Lab Sample ID: 570-146364-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.79		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B11S-2 — Lab Sample ID: 570-146364-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.38		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B11S-4 — Lab Sample ID: 570-146364-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	17.7		0.508	0.0928	mg/Kg	20		6020	Total/NA

Client Sample ID: B11W-2 — Lab Sample ID: 570-146364-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.63		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B11W-4 — Lab Sample ID: 570-146364-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.7		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B11N-2 — Lab Sample ID: 570-146364-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.8		0.505	0.0923	mg/Kg	20		6020	Total/NA

Client Sample ID: B11N-4 — Lab Sample ID: 570-146364-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13.7		0.498	0.0909	mg/Kg	20		6020	Total/NA

Client Sample ID: B11A-6 — Lab Sample ID: 570-146364-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12.7		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B08W-2 — Lab Sample ID: 570-146364-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.8		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B08W-2 DUP — Lab Sample ID: 570-146364-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.99		0.495	0.0905	mg/Kg	20		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-1

Client Sample ID: B08W-4 — Lab Sample ID: 570-146364-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	14.3		0.510	0.0933	mg/Kg	20		6020	Total/NA

Client Sample ID: B08A-6 — Lab Sample ID: 570-146364-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.3		0.498	0.0909	mg/Kg	20		6020	Total/NA

Client Sample ID: B08S-2 — Lab Sample ID: 570-146364-55

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13.6		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B08S-4 — Lab Sample ID: 570-146364-56

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	15.7		0.505	0.0923	mg/Kg	20		6020	Total/NA

Client Sample ID: B08E-2 — Lab Sample ID: 570-146364-59

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.3		0.505	0.0923	mg/Kg	20		6020	Total/NA

Client Sample ID: B08E-4 — Lab Sample ID: 570-146364-60

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	17.3		0.503	0.0919	mg/Kg	20		6020	Total/NA

Client Sample ID: EB072523 — Lab Sample ID: 570-146364-76

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.199	J	1.00	0.132	ug/L	1		6020	Total Recoverable

Client Sample ID: B07E-4 — Lab Sample ID: 570-146364-77

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.2		0.503	0.0919	mg/Kg	20		6020	Total/NA

Client Sample ID: B07N-2 — Lab Sample ID: 570-146364-80

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	19.2		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B07N-4 — Lab Sample ID: 570-146364-81

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13.2		0.498	0.0909	mg/Kg	20		6020	Total/NA

Client Sample ID: B07W-2 — Lab Sample ID: 570-146364-87

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.8		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B07W-4 — Lab Sample ID: 570-146364-88

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	15.7		0.510	0.0933	mg/Kg	20		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-1

Client Sample ID: B07A-6 — Lab Sample ID: 570-146364-93

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.69		0.508	0.0928	mg/Kg	20		6020	Total/NA

Client Sample ID: B07-6 DUP — Lab Sample ID: 570-146364-95

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	18.4		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B07E-2 — Lab Sample ID: 570-146364-96

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.6		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B10N-2 — Lab Sample ID: 570-146364-101

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.8		0.503	0.0919	mg/Kg	20		6020	Total/NA

Client Sample ID: B10N-4 — Lab Sample ID: 570-146364-102

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.0		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B10A-6 — Lab Sample ID: 570-146364-107

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12.6		0.503	0.0919	mg/Kg	20		6020	Total/NA

Client Sample ID: B10E-2 — Lab Sample ID: 570-146364-109

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.04		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B10E-2 DUP — Lab Sample ID: 570-146364-110

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.17		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B10E-4 — Lab Sample ID: 570-146364-111

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	17.1		0.505	0.0923	mg/Kg	20		6020	Total/NA

Client Sample ID: B10W-2 — Lab Sample ID: 570-146364-118

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.1		0.503	0.0919	mg/Kg	20		6020	Total/NA

Client Sample ID: B10W-4 — Lab Sample ID: 570-146364-119

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.0		0.508	0.0928	mg/Kg	20		6020	Total/NA

Client Sample ID: B10S-2 — Lab Sample ID: 570-146364-126

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.83		0.508	0.0928	mg/Kg	20		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-1

Client Sample ID: B10S-4 — Lab Sample ID: 570-146364-127

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.0		0.508	0.0928	mg/Kg	20		6020	Total/NA

Client Sample ID: EB072623 — Lab Sample ID: 570-146364-134

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.241	J	1.00	0.132	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: B11E-2
Date Collected: 07/25/23 08:47
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.53		0.493	0.0900	mg/Kg		07/27/23 09:38	07/28/23 10:42	20

Client Sample ID: B11E-4
Date Collected: 07/25/23 08:49
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	18.9		0.508	0.0928	mg/Kg		07/27/23 09:38	07/28/23 10:52	20

Client Sample ID: B11E-4 DUP
Date Collected: 07/25/23 08:49
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.79		0.500	0.0914	mg/Kg		07/27/23 09:38	07/28/23 10:54	20

Client Sample ID: B11S-2
Date Collected: 07/25/23 09:15
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.38		0.495	0.0905	mg/Kg		07/27/23 09:38	07/28/23 11:01	20

Client Sample ID: B11S-4
Date Collected: 07/25/23 09:16
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17.7		0.508	0.0928	mg/Kg		07/27/23 09:38	07/28/23 11:03	20

Client Sample ID: B11W-2
Date Collected: 07/25/23 09:35
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-22
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.63		0.495	0.0905	mg/Kg		07/27/23 09:38	07/28/23 11:05	20

Client Sample ID: B11W-4
Date Collected: 07/25/23 09:36
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-23
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.7		0.500	0.0914	mg/Kg		07/27/23 09:38	07/28/23 11:07	20

Client Sample ID: B11N-2
Date Collected: 07/25/23 09:46
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-26
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.8		0.505	0.0923	mg/Kg		07/27/23 09:38	07/28/23 11:09	20

Client Sample ID: B11N-4
Date Collected: 07/25/23 09:47
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-27
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.7		0.498	0.0909	mg/Kg		07/27/23 09:38	07/28/23 11:12	20

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: B11A-6
Date Collected: 07/25/23 10:08
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-36
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.7		0.500	0.0914	mg/Kg		07/27/23 09:38	07/28/23 11:15	20

Client Sample ID: B08W-2
Date Collected: 07/25/23 11:19
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-42
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.8		0.500	0.0914	mg/Kg		07/27/23 09:38	07/28/23 11:17	20

Client Sample ID: B08W-2 DUP
Date Collected: 07/25/23 11:19
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-43
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.99		0.495	0.0905	mg/Kg		07/27/23 09:38	07/28/23 11:20	20

Client Sample ID: B08W-4
Date Collected: 07/25/23 11:20
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-44
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14.3		0.510	0.0933	mg/Kg		07/27/23 09:38	07/28/23 11:22	20

Client Sample ID: B08A-6
Date Collected: 07/25/23 11:40
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-49
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.3		0.498	0.0909	mg/Kg		07/27/23 09:38	07/28/23 11:35	20

Client Sample ID: B08S-2
Date Collected: 07/25/23 11:57
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-55
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.6		0.493	0.0900	mg/Kg		07/27/23 09:38	07/28/23 11:37	20

Client Sample ID: B08S-4
Date Collected: 07/25/23 11:58
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-56
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15.7		0.505	0.0923	mg/Kg		07/27/23 09:38	07/28/23 11:40	20

Client Sample ID: B08E-2
Date Collected: 07/25/23 12:10
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-59
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.3		0.505	0.0923	mg/Kg		07/27/23 09:38	07/28/23 11:42	20

Client Sample ID: B08E-4
Date Collected: 07/25/23 12:12
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-60
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17.3		0.503	0.0919	mg/Kg		07/27/23 09:38	07/28/23 11:44	20

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: B07E-4
Date Collected: 07/25/23 14:40
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-77
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.2		0.503	0.0919	mg/Kg		07/27/23 09:38	07/28/23 11:46	20

Client Sample ID: B07N-2
Date Collected: 07/25/23 14:52
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-80
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	19.2		0.500	0.0914	mg/Kg		07/27/23 09:38	07/28/23 11:48	20

Client Sample ID: B07N-4
Date Collected: 07/25/23 14:53
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-81
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.2		0.498	0.0909	mg/Kg		07/27/23 09:47	07/28/23 09:52	20

Client Sample ID: B07W-2
Date Collected: 07/25/23 14:11
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-87
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.8		0.500	0.0914	mg/Kg		07/27/23 09:47	07/28/23 10:28	20

Client Sample ID: B07W-4
Date Collected: 07/25/23 14:12
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-88
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15.7		0.510	0.0933	mg/Kg		07/27/23 09:47	07/28/23 09:36	20

Client Sample ID: B07A-6
Date Collected: 07/25/23 14:21
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-93
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.69		0.508	0.0928	mg/Kg		07/27/23 09:47	07/28/23 09:38	20

Client Sample ID: B07-6 DUP
Date Collected: 07/25/23 14:21
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-95
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	18.4		0.495	0.0905	mg/Kg		07/27/23 09:47	07/28/23 09:10	20

Client Sample ID: B07E-2
Date Collected: 07/25/23 14:39
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-96
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.6		0.493	0.0900	mg/Kg		07/27/23 09:47	07/28/23 09:12	20

Client Sample ID: B10N-2
Date Collected: 07/25/23 09:10
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-101
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.8		0.503	0.0919	mg/Kg		07/27/23 09:47	07/28/23 10:03	20

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: B10N-4
Date Collected: 07/25/23 09:11
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-102
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.0		0.495	0.0905	mg/Kg		07/27/23 09:47	07/28/23 10:05	20

Client Sample ID: B10A-6
Date Collected: 07/25/23 09:24
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-107
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.6		0.503	0.0919	mg/Kg		07/27/23 09:47	07/28/23 10:11	20

Client Sample ID: B10E-2
Date Collected: 07/25/23 09:35
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-109
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.04		0.500	0.0914	mg/Kg		07/27/23 09:47	07/28/23 10:14	20

Client Sample ID: B10E-2 DUP
Date Collected: 07/25/23 09:36
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-110
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.17		0.495	0.0905	mg/Kg		07/27/23 09:47	07/28/23 10:16	20

Client Sample ID: B10E-4
Date Collected: 07/25/23 09:37
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-111
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17.1		0.505	0.0923	mg/Kg		07/27/23 09:47	07/28/23 10:18	20

Client Sample ID: B10W-2
Date Collected: 07/25/23 10:15
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-118
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.1		0.503	0.0919	mg/Kg		07/27/23 09:47	07/28/23 10:20	20

Client Sample ID: B10W-4
Date Collected: 07/25/23 10:16
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-119
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.0		0.508	0.0928	mg/Kg		07/27/23 09:47	07/28/23 10:22	20

Client Sample ID: B10S-2
Date Collected: 07/25/23 10:25
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-126
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.83		0.508	0.0928	mg/Kg		07/27/23 09:47	07/28/23 10:24	20

Client Sample ID: B10S-4
Date Collected: 07/25/23 10:26
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-127
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.0		0.508	0.0928	mg/Kg		07/27/23 09:47	07/28/23 10:26	20

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-1

Method: SW846 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: EB072523
Date Collected: 07/25/23 00:00
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-76
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.199	J	1.00	0.132	ug/L		07/27/23 07:24	07/27/23 10:57	1

Client Sample ID: EB072623
Date Collected: 07/25/23 10:45
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-134
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.241	J	1.00	0.132	ug/L		07/27/23 07:24	07/27/23 11:00	1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-349475/1-A ^20
Matrix: Solid
Analysis Batch: 350179

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 349475

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.505	0.0923	mg/Kg		07/27/23 09:38	07/28/23 10:35	20

Lab Sample ID: LCS 570-349475/2-A ^20
Matrix: Solid
Analysis Batch: 350179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 349475

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	49.5	47.97		mg/Kg		97	80 - 120

Lab Sample ID: LCSD 570-349475/3-A ^20
Matrix: Solid
Analysis Batch: 350179

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 349475

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	49.0	47.57		mg/Kg		97	80 - 120	1	20

Lab Sample ID: 570-146364-1 MS
Matrix: Solid
Analysis Batch: 350179

Client Sample ID: B11E-2
Prep Type: Total/NA
Prep Batch: 349475

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	8.53		50.5	56.51		mg/Kg		95	75 - 125

Lab Sample ID: 570-146364-1 MSD
Matrix: Solid
Analysis Batch: 350179

Client Sample ID: B11E-2
Prep Type: Total/NA
Prep Batch: 349475

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	8.53		49.8	53.76		mg/Kg		91	75 - 125	5	20

Lab Sample ID: MB 570-349476/1-A ^20
Matrix: Solid
Analysis Batch: 350178

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 349476

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.500	0.0914	mg/Kg		07/27/23 09:47	07/28/23 09:45	20

Lab Sample ID: LCS 570-349476/2-A ^20
Matrix: Solid
Analysis Batch: 350178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 349476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	49.5	48.11		mg/Kg		97	80 - 120

Lab Sample ID: LCSD 570-349476/3-A ^20
Matrix: Solid
Analysis Batch: 350178

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 349476

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	49.3	47.76		mg/Kg		97	80 - 120	1	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: 570-146364-81 MS
Matrix: Solid
Analysis Batch: 350178

Client Sample ID: B07N-4
Prep Type: Total/NA
Prep Batch: 349476

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	13.2		49.3	62.54		mg/Kg		100	75 - 125		

Lab Sample ID: 570-146364-81 MSD
Matrix: Solid
Analysis Batch: 350178

Client Sample ID: B07N-4
Prep Type: Total/NA
Prep Batch: 349476

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	13.2		49.5	58.19		mg/Kg		91	75 - 125	7	20

Lab Sample ID: MB 570-349402/1-A
Matrix: Water
Analysis Batch: 349618

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 349402

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.00	0.132	ug/L		07/27/23 07:24	07/27/23 14:26	1

Lab Sample ID: LCS 570-349402/2-A
Matrix: Water
Analysis Batch: 349618

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 349402

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			80.0	83.09		ug/L		104	80 - 120		

Lab Sample ID: LCSD 570-349402/3-A
Matrix: Water
Analysis Batch: 349618

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 349402

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			80.0	85.26		ug/L		107	80 - 120	3	20

Metals

Prep Batch: 349402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-76	EB072523	Total Recoverable	Water	3005A	
570-146364-134	EB072623	Total Recoverable	Water	3005A	
MB 570-349402/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-349402/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-349402/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Prep Batch: 349475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-1	B11E-2	Total/NA	Solid	3050B	
570-146364-2	B11E-4	Total/NA	Solid	3050B	
570-146364-3	B11E-4 DUP	Total/NA	Solid	3050B	
570-146364-14	B11S-2	Total/NA	Solid	3050B	
570-146364-15	B11S-4	Total/NA	Solid	3050B	
570-146364-22	B11W-2	Total/NA	Solid	3050B	
570-146364-23	B11W-4	Total/NA	Solid	3050B	
570-146364-26	B11N-2	Total/NA	Solid	3050B	
570-146364-27	B11N-4	Total/NA	Solid	3050B	
570-146364-36	B11A-6	Total/NA	Solid	3050B	
570-146364-42	B08W-2	Total/NA	Solid	3050B	
570-146364-43	B08W-2 DUP	Total/NA	Solid	3050B	
570-146364-44	B08W-4	Total/NA	Solid	3050B	
570-146364-49	B08A-6	Total/NA	Solid	3050B	
570-146364-55	B08S-2	Total/NA	Solid	3050B	
570-146364-56	B08S-4	Total/NA	Solid	3050B	
570-146364-59	B08E-2	Total/NA	Solid	3050B	
570-146364-60	B08E-4	Total/NA	Solid	3050B	
570-146364-77	B07E-4	Total/NA	Solid	3050B	
570-146364-80	B07N-2	Total/NA	Solid	3050B	
MB 570-349475/1-A ^20	Method Blank	Total/NA	Solid	3050B	
LCS 570-349475/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-349475/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-146364-1 MS	B11E-2	Total/NA	Solid	3050B	
570-146364-1 MSD	B11E-2	Total/NA	Solid	3050B	

Prep Batch: 349476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-81	B07N-4	Total/NA	Solid	3050B	
570-146364-87	B07W-2	Total/NA	Solid	3050B	
570-146364-88	B07W-4	Total/NA	Solid	3050B	
570-146364-93	B07A-6	Total/NA	Solid	3050B	
570-146364-95	B07-6 DUP	Total/NA	Solid	3050B	
570-146364-96	B07E-2	Total/NA	Solid	3050B	
570-146364-101	B10N-2	Total/NA	Solid	3050B	
570-146364-102	B10N-4	Total/NA	Solid	3050B	
570-146364-107	B10A-6	Total/NA	Solid	3050B	
570-146364-109	B10E-2	Total/NA	Solid	3050B	
570-146364-110	B10E-2 DUP	Total/NA	Solid	3050B	
570-146364-111	B10E-4	Total/NA	Solid	3050B	
570-146364-118	B10W-2	Total/NA	Solid	3050B	
570-146364-119	B10W-4	Total/NA	Solid	3050B	
570-146364-126	B10S-2	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 349476 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-127	B10S-4	Total/NA	Solid	3050B	
MB 570-349476/1-A ^20	Method Blank	Total/NA	Solid	3050B	
LCS 570-349476/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-349476/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-146364-81 MS	B07N-4	Total/NA	Solid	3050B	
570-146364-81 MSD	B07N-4	Total/NA	Solid	3050B	

Analysis Batch: 349592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-76	EB072523	Total Recoverable	Water	6020	349402
570-146364-134	EB072623	Total Recoverable	Water	6020	349402

Analysis Batch: 349618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-349402/1-A	Method Blank	Total Recoverable	Water	6020	349402
LCS 570-349402/2-A	Lab Control Sample	Total Recoverable	Water	6020	349402
LCSD 570-349402/3-A	Lab Control Sample Dup	Total Recoverable	Water	6020	349402

Analysis Batch: 350178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-81	B07N-4	Total/NA	Solid	6020	349476
570-146364-87	B07W-2	Total/NA	Solid	6020	349476
570-146364-88	B07W-4	Total/NA	Solid	6020	349476
570-146364-93	B07A-6	Total/NA	Solid	6020	349476
570-146364-95	B07-6 DUP	Total/NA	Solid	6020	349476
570-146364-96	B07E-2	Total/NA	Solid	6020	349476
570-146364-101	B10N-2	Total/NA	Solid	6020	349476
570-146364-102	B10N-4	Total/NA	Solid	6020	349476
570-146364-107	B10A-6	Total/NA	Solid	6020	349476
570-146364-109	B10E-2	Total/NA	Solid	6020	349476
570-146364-110	B10E-2 DUP	Total/NA	Solid	6020	349476
570-146364-111	B10E-4	Total/NA	Solid	6020	349476
570-146364-118	B10W-2	Total/NA	Solid	6020	349476
570-146364-119	B10W-4	Total/NA	Solid	6020	349476
570-146364-126	B10S-2	Total/NA	Solid	6020	349476
570-146364-127	B10S-4	Total/NA	Solid	6020	349476
MB 570-349476/1-A ^20	Method Blank	Total/NA	Solid	6020	349476
LCS 570-349476/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	349476
LCSD 570-349476/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	6020	349476
570-146364-81 MS	B07N-4	Total/NA	Solid	6020	349476
570-146364-81 MSD	B07N-4	Total/NA	Solid	6020	349476

Analysis Batch: 350179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-1	B11E-2	Total/NA	Solid	6020	349475
570-146364-2	B11E-4	Total/NA	Solid	6020	349475
570-146364-3	B11E-4 DUP	Total/NA	Solid	6020	349475
570-146364-14	B11S-2	Total/NA	Solid	6020	349475
570-146364-15	B11S-4	Total/NA	Solid	6020	349475
570-146364-22	B11W-2	Total/NA	Solid	6020	349475
570-146364-23	B11W-4	Total/NA	Solid	6020	349475

Metals (Continued)

Analysis Batch: 350179 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-26	B11N-2	Total/NA	Solid	6020	349475
570-146364-27	B11N-4	Total/NA	Solid	6020	349475
570-146364-36	B11A-6	Total/NA	Solid	6020	349475
570-146364-42	B08W-2	Total/NA	Solid	6020	349475
570-146364-43	B08W-2 DUP	Total/NA	Solid	6020	349475
570-146364-44	B08W-4	Total/NA	Solid	6020	349475
570-146364-49	B08A-6	Total/NA	Solid	6020	349475
570-146364-55	B08S-2	Total/NA	Solid	6020	349475
570-146364-56	B08S-4	Total/NA	Solid	6020	349475
570-146364-59	B08E-2	Total/NA	Solid	6020	349475
570-146364-60	B08E-4	Total/NA	Solid	6020	349475
570-146364-77	B07E-4	Total/NA	Solid	6020	349475
570-146364-80	B07N-2	Total/NA	Solid	6020	349475
MB 570-349475/1-A ^20	Method Blank	Total/NA	Solid	6020	349475
LCS 570-349475/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	349475
LCSD 570-349475/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	6020	349475
570-146364-1 MS	B11E-2	Total/NA	Solid	6020	349475
570-146364-1 MSD	B11E-2	Total/NA	Solid	6020	349475

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-1

Client Sample ID: B11E-2
Date Collected: 07/25/23 08:47
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-1
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			2.03 g	50 mL	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 10:42	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11E-4
Date Collected: 07/25/23 08:49
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-2
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			1.97 g	50 mL	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 10:52	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11E-4 DUP
Date Collected: 07/25/23 08:49
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-3
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			2.00 g	50 mL	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 10:54	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11S-2
Date Collected: 07/25/23 09:15
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-14
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			2.02 g	50 mL	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 11:01	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11S-4
Date Collected: 07/25/23 09:16
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-15
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	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 11:03	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-1

Client Sample ID: B11W-2
Date Collected: 07/25/23 09:35
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-22
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			2.02 g	50 mL	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 11:05	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11W-4
Date Collected: 07/25/23 09:36
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-23
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			2.00 g	50 mL	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 11:07	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11N-2
Date Collected: 07/25/23 09:46
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-26
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			1.98 g	50 mL	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 11:09	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11N-4
Date Collected: 07/25/23 09:47
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-27
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			2.01 g	50 mL	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 11:12	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11A-6
Date Collected: 07/25/23 10:08
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-36
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			2.00 g	50 mL	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 11:15	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-1

Client Sample ID: B08W-2
Date Collected: 07/25/23 11:19
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-42
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			2.00 g	50 mL	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 11:17	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08W-2 DUP
Date Collected: 07/25/23 11:19
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-43
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			2.02 g	50 mL	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 11:20	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08W-4
Date Collected: 07/25/23 11:20
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-44
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	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 11:22	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08A-6
Date Collected: 07/25/23 11:40
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-49
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			2.01 g	50 mL	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 11:35	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08S-2
Date Collected: 07/25/23 11:57
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-55
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			2.03 g	50 mL	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 11:37	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-1

Client Sample ID: B08S-4
Date Collected: 07/25/23 11:58
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-56
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			1.98 g	50 mL	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 11:40	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08E-2
Date Collected: 07/25/23 12:10
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-59
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			1.98 g	50 mL	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 11:42	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08E-4
Date Collected: 07/25/23 12:12
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-60
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			1.99 g	50 mL	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 11:44	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: EB072523
Date Collected: 07/25/23 00:00
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-76
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	349402	07/27/23 07:24	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		1			349592	07/27/23 10:57	Y2WS	EET CAL 4
	Instrument ID: ICPMS09									

Client Sample ID: B07E-4
Date Collected: 07/25/23 14:40
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-77
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			1.99 g	50 mL	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 11:46	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-1

Client Sample ID: B07N-2
Date Collected: 07/25/23 14:52
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-80
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			2.00 g	50 mL	349475	07/27/23 09:38	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350179	07/28/23 11:48	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07N-4
Date Collected: 07/25/23 14:53
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-81
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			2.01 g	50 mL	349476	07/27/23 09:47	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350178	07/28/23 09:52	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07W-2
Date Collected: 07/25/23 14:11
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-87
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			2.00 g	50 mL	349476	07/27/23 09:47	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350178	07/28/23 10:28	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07W-4
Date Collected: 07/25/23 14:12
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-88
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	349476	07/27/23 09:47	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350178	07/28/23 09:36	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07A-6
Date Collected: 07/25/23 14:21
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-93
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	349476	07/27/23 09:47	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350178	07/28/23 09:38	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-1

Client Sample ID: B07-6 DUP

Lab Sample ID: 570-146364-95

Date Collected: 07/25/23 14:21
Matrix: Solid
Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	349476	07/27/23 09:47	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350178	07/28/23 09:10	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07E-2

Lab Sample ID: 570-146364-96

Date Collected: 07/25/23 14:39
Matrix: Solid
Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	349476	07/27/23 09:47	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350178	07/28/23 09:12	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10N-2

Lab Sample ID: 570-146364-101

Date Collected: 07/25/23 09:10
Matrix: Solid
Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.99 g	50 mL	349476	07/27/23 09:47	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350178	07/28/23 10:03	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10N-4

Lab Sample ID: 570-146364-102

Date Collected: 07/25/23 09:11
Matrix: Solid
Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	349476	07/27/23 09:47	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350178	07/28/23 10:05	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10A-6

Lab Sample ID: 570-146364-107

Date Collected: 07/25/23 09:24
Matrix: Solid
Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.99 g	50 mL	349476	07/27/23 09:47	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350178	07/28/23 10:11	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-1

Client Sample ID: B10E-2

Lab Sample ID: 570-146364-109
Date Collected: 07/25/23 09:35
Matrix: Solid
Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	349476	07/27/23 09:47	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350178	07/28/23 10:14	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10E-2 DUP

Lab Sample ID: 570-146364-110
Date Collected: 07/25/23 09:36
Matrix: Solid
Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	349476	07/27/23 09:47	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350178	07/28/23 10:16	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10E-4

Lab Sample ID: 570-146364-111
Date Collected: 07/25/23 09:37
Matrix: Solid
Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.98 g	50 mL	349476	07/27/23 09:47	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350178	07/28/23 10:18	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10W-2

Lab Sample ID: 570-146364-118
Date Collected: 07/25/23 10:15
Matrix: Solid
Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.99 g	50 mL	349476	07/27/23 09:47	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350178	07/28/23 10:20	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10W-4

Lab Sample ID: 570-146364-119
Date Collected: 07/25/23 10:16
Matrix: Solid
Date Received: 07/26/23 13:50

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	349476	07/27/23 09:47	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350178	07/28/23 10:22	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-1

Client Sample ID: B10S-2

Date Collected: 07/25/23 10:25
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-126

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	349476	07/27/23 09:47	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350178	07/28/23 10:24	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10S-4

Date Collected: 07/25/23 10:26
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-127

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	349476	07/27/23 09:47	GYR8	EET CAL 4
Total/NA	Analysis	6020		20			350178	07/28/23 10:26	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: EB072623

Date Collected: 07/25/23 10:45
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-134

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	349402	07/27/23 07:24	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		1			349592	07/27/23 11:00	Y2WS	EET CAL 4
	Instrument ID: ICPMS09									

Laboratory References:

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

Accreditation/Certification Summary

Client: NV5, Inc
Job ID: 570-146364-1
Project/Site: McKinley Elementary School

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-24
Oregon	NELAP	4175	02-02-24

Method Summary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-1

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	EET CAL 4
3005A	Preparation, Total Recoverable or Dissolved Metals	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: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-146364-1	B11E-2	Solid	07/25/23 08:47	07/26/23 13:50
570-146364-2	B11E-4	Solid	07/25/23 08:49	07/26/23 13:50
570-146364-3	B11E-4 DUP	Solid	07/25/23 08:49	07/26/23 13:50
570-146364-14	B11S-2	Solid	07/25/23 09:15	07/26/23 13:50
570-146364-15	B11S-4	Solid	07/25/23 09:16	07/26/23 13:50
570-146364-22	B11W-2	Solid	07/25/23 09:35	07/26/23 13:50
570-146364-23	B11W-4	Solid	07/25/23 09:36	07/26/23 13:50
570-146364-26	B11N-2	Solid	07/25/23 09:46	07/26/23 13:50
570-146364-27	B11N-4	Solid	07/25/23 09:47	07/26/23 13:50
570-146364-36	B11A-6	Solid	07/25/23 10:08	07/26/23 13:50
570-146364-42	B08W-2	Solid	07/25/23 11:19	07/26/23 13:50
570-146364-43	B08W-2 DUP	Solid	07/25/23 11:19	07/26/23 13:50
570-146364-44	B08W-4	Solid	07/25/23 11:20	07/26/23 13:50
570-146364-49	B08A-6	Solid	07/25/23 11:40	07/26/23 13:50
570-146364-55	B08S-2	Solid	07/25/23 11:57	07/26/23 13:50
570-146364-56	B08S-4	Solid	07/25/23 11:58	07/26/23 13:50
570-146364-59	B08E-2	Solid	07/25/23 12:10	07/26/23 13:50
570-146364-60	B08E-4	Solid	07/25/23 12:12	07/26/23 13:50
570-146364-76	EB072523	Water	07/25/23 00:00	07/26/23 13:50
570-146364-77	B07E-4	Solid	07/25/23 14:40	07/26/23 13:50
570-146364-80	B07N-2	Solid	07/25/23 14:52	07/26/23 13:50
570-146364-81	B07N-4	Solid	07/25/23 14:53	07/26/23 13:50
570-146364-87	B07W-2	Solid	07/25/23 14:11	07/26/23 13:50
570-146364-88	B07W-4	Solid	07/25/23 14:12	07/26/23 13:50
570-146364-93	B07A-6	Solid	07/25/23 14:21	07/26/23 13:50
570-146364-95	B07-6 DUP	Solid	07/25/23 14:21	07/26/23 13:50
570-146364-96	B07E-2	Solid	07/25/23 14:39	07/26/23 13:50
570-146364-101	B10N-2	Solid	07/25/23 09:10	07/26/23 13:50
570-146364-102	B10N-4	Solid	07/25/23 09:11	07/26/23 13:50
570-146364-107	B10A-6	Solid	07/25/23 09:24	07/26/23 13:50
570-146364-109	B10E-2	Solid	07/25/23 09:35	07/26/23 13:50
570-146364-110	B10E-2 DUP	Solid	07/25/23 09:36	07/26/23 13:50
570-146364-111	B10E-4	Solid	07/25/23 09:37	07/26/23 13:50
570-146364-118	B10W-2	Solid	07/25/23 10:15	07/26/23 13:50
570-146364-119	B10W-4	Solid	07/25/23 10:16	07/26/23 13:50
570-146364-126	B10S-2	Solid	07/25/23 10:25	07/26/23 13:50
570-146364-127	B10S-4	Solid	07/25/23 10:26	07/26/23 13:50
570-146364-134	EB072623	Water	07/25/23 10:45	07/26/23 13:50

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Loc: 570
146364

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570-146364 Chain of Custody

CHAIN-OF-CUSTODY RECORD

DATE: 7/25/2023

PAGE: 1 OF 14

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:

☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
1	B11E-2	7/25/23	8:47	SOIL	1	X			X	
2	B11E-4	"	8:49	SOIL	1	X			X	
3	B11E-4 DUP		8:49	SOIL	1	X			X	
4	B11E-6		8:50	SOIL	1	X				X
5	B11E-8		8:51	SOIL	1	X				X
6	B11EE-2		8:56	SOIL	1	X				X
7	B11EE-4		8:57	SOIL	1	X				X
8	B11EE-6		8:59	SOIL	1	X				X
9	B11EE-8		9:00	SOIL	1	X				X
10	B11SS-2	↓	9:05	SOIL	1	X				X

Relinquished by: (Signature)	Date: 07/26	Time: 13:50	Received by: (Signature/Affiliation) EC
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)

Date: 7/26/23	Time: 13:50	
Date:	Time:	
Date:	Time:	

4.2/4.5 3.9/4.2 3.6/3.9 SC15

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CHAIN-OF-CUSTODY RECORD

DATE: 7/25/2023

PAGE: 2 OF 14

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
11	~~BSS~~ B11SS-4	7/25/23	9:06	Soil	1	X				X
12	B11SS-6	7/25/23	9:10	SOIL	1	X				X
13	B11SS-8	7/25/23	9:11	SOIL	1	X				X
14	B11S~~S~~-2	7/25/23	9:15	SOIL	1	X			X	
15	B11S-4	7/25/23	9:16	SOIL	1	X			X	
16	B11S-6	7/25/23	9:20	SOIL	1	X				X
17	B11S-8	7/25/23	9:21	SOIL	1	X				X
18	B11WW-2	7/25/23	9:25	SOIL	1	X				X
19	B11WW-4	7/25/23	9:27	SOIL	1	X				X
20	B11WW-6	7/25/23	9:30	SOIL	1	X				X

	Date	Time		Date	Time
Relinquished by: (Signature)	07/26	13:50	Received by: (Signature/Affiliation) EC	7/26/23	13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:

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FRM51408 Rev. 1.2

CHAIN-OF-CUSTODY RECORD

DATE: 7/25/2023

PAGE: 3 OF 14

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:

☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
21	B11WW-8	7/25/23	9:31	SOIL	1	X				X
22	B11W-2		9:35			X			X	
23	B11W-4		9:36			X			X	
24	B11W-6		9:40			X				X
25	B11W-8		9:41			X				X
26	B11N-2		9:46			X			X	X
27	B11N-4		9:47			X			X	X
28	B11N-6		9:49			X				X
29	B11N-8		9:50			X				X
30	B11NN-2		9:54			X				X

Relinquished by: (Signature)	Date: 07/26	Time: 13:50	Received by: (Signature/Affiliation) EC Date: 7/26/23 Time: 13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation) Date: Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation) Date: Time:

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146364

CHAIN-OF-CUSTODY RECORD

DATE: 7/25/23

LABORATORY CLIENT: NV5, Inc.

ADDRESS: 3777 Long Beach Blvd, Annex Building

CITY: Long Beach | STATE: CA | ZIP: 90807

TEL: 562-544-3977 | E-MAIL:

CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling

P.O. NO.: SMSD-23-11670

PROJECT CONTACT: Eric Fraske

LAB CONTACT OR QUOTE NO.: 57016144

GLOBAL ID: | LOG CODE: | SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
31	B11NN-4	7/25	9:55	SOIL	1	X				X
32	B11NN-6	7/25/23	10:00			X				X
33	B11NN-8	7/25/23	10:01			X				X
34	B11A-2	7/25/23	10:04			X				X
35	B11A-4	7/25/23	10:05			X				X
36	B11A-6	7/25/23	10:08			✓			X	
37	B11A-8	7/25/23	10:10			X				X
38	B08WW-2	7/25/23	11:15			X				X
39	B08WW-4	7/25/23	11:16			X				X
40	B08WW-6	7/25/23	11:17			✓				X

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	07/25	13:50	[signature] EC	7/26/23	13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

DATE: 7/25/2023
PAGE: 5 OF 14

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
41	B08WW-8	7/25	11:18	SOIL	1	X				X
42	B08W-2	"	11:19	"	"	X			X	
43	B08W-2DUP	"	11:19	"	"	X			X	
44	B08W-4	"	11:20	"	"	X			X	
45	B08W-6	"	11:50	"	"	X				X
46	B08W-8	"	11:31	"	"	X				X
47	B08A-2	"	11:35	"	"	X				X
48	B08A-4	"	11:37	"	"	X				X
49	B08A-6	"	11:40	"	"	X			X	
50	B08A-8	"	11:41	"	"	X				X

	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature)	07/26	13:50	EC	7/26/23	13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

DATE: 7/25/2023

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
51	BØ8SS-2	7/25	11:47	SOIL	1	X				X
52	BØ8SS-4	↓	11:49	↓	↓	X				X
53	BØ8SS-6		11:53			X				X
54	BØ8SS-8		11:55			X				X
55	BØ8S-2		11:57			X			X	
56	BØ8S-4		11:58			X			X	
57	BØ8S-6		12:03			X				X
58	BØ8S-8		12:05			X				X
59	BØ8E-2		12:10			X			X	
60	BØ8E-4	↓	12:12	↓	↓	X			X	

Relinquished by: (Signature)	Date: 07/25	Time: 13:50	Received by: (Signature/Affiliation)	Date: 7/26/23 Time: 13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date: Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date: Time:

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CHAIN-OF-CUSTODY RECORD

DATE: 7/25/23

LABORATORY CLIENT: NV5, Inc.

ADDRESS: 3777 Long Beach Blvd, Annex Building

CITY: Long Beach STATE: CA ZIP: 90807

TEL: 562-544-3977 E-MAIL:

CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling

P.O. NO.: SMSD-23-11670

PROJECT CONTACT: Eric Fraske

LAB CONTACT OR QUOTE NO.: 57016144

GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

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EDD:

☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
61	B08E-6	7/25	12:14	Soil	1	X				X
62	B08E-8	"	12:15	"	"	X				X
63	B08EE-2	"	12:20	"	"	X				X
64	B08EE-4	"	12:22	"	"	X				X
65	B08EE-6	"	12:25	"	"	X				X
66	B08EE-8	"	12:27	"	"	X				X
67	B07EE-2	"	13:57	"	"	X				X
68	B07EE-4	"	13:58	"	"	X				X
69	B07EE-6	"	14:02	"	"	X				X
70	B07EE-8	"	14:03	"	"	X				X

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	07/25	13:50	[signature] EC	7/26/23	13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

DATE: 07/25

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

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LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
71	B07NN-8	07/25	15:09	soil	1	X				X
72	B07EE-2		15:23			X				X
73	B07EE-4		15:25			X				X
74	B07EE-6		15:27			X				X
75	B07EE-8		15:28			X				X
	~~EB~~		—			~~X~~			~~(X)~~	~~X~~
76	EB072523	07/25		W	1	X			X	

Relinquished by: (Signature)	Date: 07/25	Time: 13:50	Received by: (Signature/Affiliation) EC
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)

Date: 7/26/23 Time: 13:50

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CHAIN-OF-CUSTODY RECORD

DATE: 07/25

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

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☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
77	BOTE-4	07/25	14:40	Soil	1	X			X	
78	BOTE-6		14:42			X				X
79	BOTE-8		14:43			X				X
80	BOTN-2		14:52			X			X	
81	BOTN-4		14:53			X			X	
82	BOTN-6		14:54			X				X
83	BOTN-8		14:55			X				X
84	BOTNN-2		15:05			X			[illegible]	⊗
85	BOTNN-4		15:06			X				X
86	BOTNN-6	↓	15:08	↓	↓	X				X

Relinquished by: (Signature) [signature]	Date: 07/26	Time: 13:50	Received by: (Signature/Affiliation) [signature] EC	Date: 7/26/23 Time: 13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date: Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date: Time:

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FRM51408 Rev. 1.2

CHAIN-OF-CUSTODY RECORD

DATE: 07/25

LABORATORY CLIENT: NV5, Inc.		CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling	P.O. NO.: SMSD-23-11670
ADDRESS: 3777 Long Beach Blvd, Annex Building		PROJECT CONTACT: Eric Fraske	LAB CONTACT OR QUOTE NO.: 57016144
CITY: Long Beach	STATE: CA ZIP: 90807	GLOBAL ID:	LOG CODE:
TEL: 562-544-3977	E-MAIL:		SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

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LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
87	BOTW-2	07/25	14:12	Soil	1	X			X	
88	BOTW-4		14:12			X			X	
89	BOTW-6		14:13			X				X
90	BOTW-8		14:14			X				X
91	BOTA-2		14:19			X				X
92	BOTA-4		14:18			X				X
93	BOTA-6		14:21			X			X	
94	BOTA-8		14:22			X				X
95	BOT-6 Dup		14:21			X			X	
96	BOTE-2		14:39			X			X	

	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature)	07/26	13:50	EC	7/26/23	13:50
Relinquished by: (Signature)					
Relinquished by: (Signature)					

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CHAIN-OF-CUSTODY RECORD

DATE: 07/26

PAGE: 11 OF 14

LABORATORY CLIENT: NV5, Inc.		CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling	P.O. NO.: SMSD-23-11670
ADDRESS: 3777 Long Beach Blvd, Annex Building		PROJECT CONTACT: Eric Fraske	LAB CONTACT OR QUOTE NO.: 57016144
CITY: Long Beach	STATE: CA ZIP: 90807	GLOBAL ID:	LOG CODE:
TEL: 562-544-3977	E-MAIL:		SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
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EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

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LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
97	BlONN-2	7/26	09:05	Soil	1	X				X
98	BlONN-4		09:06			X				X
99	BlONN-6		09:07			X				X
100	BlONN-8		09:08			X				X
101	BlON-2		09:10			X			X	
102	BlON-4		09:11			X			X	
103	BlON-6		09:13			X				X
104	BlON-8		09:14			X				X
105	BlOA-2		09:19			X				X
106	BlOA-4		09:20			X				X

	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature)	07/26	13:50	FEDEX	7/26/23	13:50
Relinquished by: (Signature)					
Relinquished by: (Signature)					

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CHAIN-OF-CUSTODY RECORD

DATE: 07/26

LABORATORY CLIENT: NV5, Inc.		CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling	P.O. NO.: SMSD-23-11670
ADDRESS: 3777 Long Beach Blvd, Annex Building		PROJECT CONTACT: Eric Fraske	LAB CONTACT OR QUOTE NO.: 57016144
CITY: Long Beach	STATE: CA ZIP: 90807	GLOBAL ID:	LOG CODE:
TEL: 562-544-3977	E-MAIL:		SAMPLER(S): (PRINT)

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EDD:

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SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
107	B10A-6	07/26	09:24	Soil	1	X			X	
108	B10A-8		09:25			X				X
109	B10E-2		09:35			X			X	
110	B10E-2 Dup		09:36			X			X	
111	B10E-4		09:37			X			X	
112	B10E-6		09:38			X				X
113	B10E-8		09:39			X				X
114	B10EE-2		09:44			X				X
115	B10EE-4		09:45			X				X
116	B10EE-6	↓	09:47	↓	↓	X				X

	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	07/26	13:50	EC	7/26/23	13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:

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EDD:
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REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
117	BlOEE-8	07/26	09:48	Soil	1	X				X
118	Blow-2		10:15			X			X	
119	Blow-4		10:16			X			X	
120	Blow-6		10:20			X				X
121	Blow-8		10:21			X				X
122	BlOWW-2		10:00			X				X
123	BlOWW-4		10:01			X				X
124	BlOWW-6		10:03			X				X
125	BlOWW-8		10:04			X				X
126	Blos-2		10:25			X			X	

	Date	Time		Date	Time
Relinquished by: (Signature)	07/26	13:50	Received by: (Signature/Affiliation) BC	7/26/23	13:50
Relinquished by: (Signature)			Received by: (Signature/Affiliation)		
Relinquished by: (Signature)			Received by: (Signature/Affiliation)		

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CHAIN-OF-CUSTODY RECORD

DATE: 07/26

PAGE: 14 OF 14

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

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EDD:
☐ COELT EDF ☐ OTHER

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REQUESTED ANALYSES

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LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
127	BLOS-4	07/26	10:26	Soil	1	X			X	
128	BLOS-6		10:30							X
129	BLOS-8		10:31							X
130	BLOSS-2		10:33						X	X
131	BLOSS-4		10:34						X	X
132	BLOSS-6		10:38							X
133	BLOSS-8		10:40							X
134	EB072623		10:45	W	1	X			X	

Relinquished by: (Signature)	Date: 07/26	Time: 13:50	Received by: (Signature/Affiliation) EC Date: 7/26/23 Time: 13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation) Date: Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation) Date: Time:

Login Sample Receipt Checklist

Client: NV5, Inc

Job Number: 570-146364-1

Login Number: 146364
List Number: 1
Creator: Hernandez, Richie

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Eric Fraske
NV5, Inc
3777 Long Beach Blvd,
Long Beach, California 90807

Generated 8/3/2023 3:30:24 PM

JOB DESCRIPTION

McKinley Elementary School

JOB NUMBER

570-146364-2

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

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

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Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494

Table of Contents

Definitions/Glossary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-2

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: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-2

Job ID: 570-146364-2

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-146364-2

Comments
No additional comments.

Receipt
The samples were received on 7/26/2023 1:50 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 3.9º C, 4.2º C and 4.5º C.

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

Detection Summary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-2

Client Sample ID: B11E-6 — Lab Sample ID: 570-146364-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.3		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B11EE-2 — Lab Sample ID: 570-146364-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13.5		0.490	0.0896	mg/Kg	20		6020	Total/NA

Client Sample ID: B11EE-4 — Lab Sample ID: 570-146364-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	19.0		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B11SS-2 — Lab Sample ID: 570-146364-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.1		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B11SS-4 — Lab Sample ID: 570-146364-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	18.3		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B11S-6 — Lab Sample ID: 570-146364-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	15.7		0.498	0.0909	mg/Kg	20		6020	Total/NA

Client Sample ID: B11WW-2 — Lab Sample ID: 570-146364-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	14.7		0.490	0.0896	mg/Kg	20		6020	Total/NA

Client Sample ID: B11WW-4 — Lab Sample ID: 570-146364-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	18.9		0.490	0.0896	mg/Kg	20		6020	Total/NA

Client Sample ID: B11W-6 — Lab Sample ID: 570-146364-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.0		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B11N-6 — Lab Sample ID: 570-146364-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	17.6		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B11NN-2 — Lab Sample ID: 570-146364-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.96		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B11NN-4 — Lab Sample ID: 570-146364-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	15.3		0.488	0.0892	mg/Kg	20		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-2

Client Sample ID: B11A-8 — Lab Sample ID: 570-146364-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	14.6		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B08WW-2 — Lab Sample ID: 570-146364-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	15.3		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B08WW-4 — Lab Sample ID: 570-146364-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	15.9		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B08W-6 — Lab Sample ID: 570-146364-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.4		0.490	0.0896	mg/Kg	20		6020	Total/NA

Client Sample ID: B08SS-2 — Lab Sample ID: 570-146364-51

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13.8		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B08SS-4 — Lab Sample ID: 570-146364-52

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	17.2		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B08S-6 — Lab Sample ID: 570-146364-57

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	14.6		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B08EE-2 — Lab Sample ID: 570-146364-63

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	14.4		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B08EE-4 — Lab Sample ID: 570-146364-64

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.9		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B07WW-2 — Lab Sample ID: 570-146364-67

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	20.9		0.488	0.0892	mg/Kg	20		6020	Total/NA

Client Sample ID: B07WW-4 — Lab Sample ID: 570-146364-68

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13.8		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B07EE-2 — Lab Sample ID: 570-146364-72

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.96		0.488	0.0892	mg/Kg	20		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-2

Client Sample ID: B07EE-4 — Lab Sample ID: 570-146364-73

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	17.4		0.498	0.0909	mg/Kg	20		6020	Total/NA

Client Sample ID: B07E-6 — Lab Sample ID: 570-146364-78

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.7		0.505	0.0923	mg/Kg	20		6020	Total/NA

Client Sample ID: B07N-6 — Lab Sample ID: 570-146364-82

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.5		0.488	0.0892	mg/Kg	20		6020	Total/NA

Client Sample ID: B07NN-2 — Lab Sample ID: 570-146364-84

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	17.1		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B07NN-4 — Lab Sample ID: 570-146364-85

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	15.6		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B07W-6 — Lab Sample ID: 570-146364-89

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.0		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B10NN-2 — Lab Sample ID: 570-146364-97

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	19.6		0.490	0.0896	mg/Kg	20		6020	Total/NA

Client Sample ID: B10NN-4 — Lab Sample ID: 570-146364-98

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.0		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B10N-6 — Lab Sample ID: 570-146364-103

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.8		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B10A-8 — Lab Sample ID: 570-146364-108

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12.4		0.488	0.0892	mg/Kg	20		6020	Total/NA

Client Sample ID: B10E-6 — Lab Sample ID: 570-146364-112

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.9		0.488	0.0892	mg/Kg	20		6020	Total/NA

Client Sample ID: B10EE-2 — Lab Sample ID: 570-146364-114

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.80		0.500	0.0914	mg/Kg	20		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-2

Client Sample ID: B10EE-4 — Lab Sample ID: 570-146364-115

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	14.8		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B10W-6 — Lab Sample ID: 570-146364-120

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12.5		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B10WW-2 — Lab Sample ID: 570-146364-122

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	14.6		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B10WW-4 — Lab Sample ID: 570-146364-123

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.0		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B10S-6 — Lab Sample ID: 570-146364-128

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.5		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B10SS-2 — Lab Sample ID: 570-146364-130

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12.9		0.498	0.0909	mg/Kg	20		6020	Total/NA

Client Sample ID: B10SS-4 — Lab Sample ID: 570-146364-131

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.1		0.498	0.0909	mg/Kg	20		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: B11E-6
Date Collected: 07/25/23 08:50
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.3		0.493	0.0900	mg/Kg		08/01/23 06:05	08/02/23 10:47	20

Client Sample ID: B11EE-2
Date Collected: 07/25/23 08:56
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.5		0.490	0.0896	mg/Kg		08/01/23 06:05	08/02/23 10:49	20

Client Sample ID: B11EE-4
Date Collected: 07/25/23 08:57
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	19.0		0.493	0.0900	mg/Kg		08/01/23 06:05	08/02/23 10:51	20

Client Sample ID: B11SS-2
Date Collected: 07/25/23 09:05
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.1		0.495	0.0905	mg/Kg		08/01/23 06:05	08/02/23 10:53	20

Client Sample ID: B11SS-4
Date Collected: 07/25/23 09:06
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	18.3		0.495	0.0905	mg/Kg		08/01/23 06:05	08/02/23 10:55	20

Client Sample ID: B11S-6
Date Collected: 07/25/23 09:02
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15.7		0.498	0.0909	mg/Kg		08/01/23 06:05	08/02/23 11:19	20

Client Sample ID: B11WW-2
Date Collected: 07/25/23 09:25
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14.7		0.490	0.0896	mg/Kg		08/01/23 06:05	08/02/23 11:21	20

Client Sample ID: B11WW-4
Date Collected: 07/25/23 09:27
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-19
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	18.9		0.490	0.0896	mg/Kg		08/01/23 06:05	08/02/23 11:28	20

Client Sample ID: B11W-6
Date Collected: 07/25/23 09:40
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-24
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.0		0.495	0.0905	mg/Kg		08/01/23 06:05	08/02/23 11:30	20

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: B11N-6
Date Collected: 07/25/23 09:49
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-28
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17.6		0.493	0.0900	mg/Kg		08/01/23 06:05	08/02/23 11:32	20

Client Sample ID: B11NN-2
Date Collected: 07/25/23 09:54
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-30
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.96		0.500	0.0914	mg/Kg		08/01/23 06:05	08/02/23 11:34	20

Client Sample ID: B11NN-4
Date Collected: 07/25/23 09:55
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-31
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15.3		0.488	0.0892	mg/Kg		08/01/23 06:05	08/02/23 11:36	20

Client Sample ID: B11A-8
Date Collected: 07/25/23 10:10
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-37
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14.6		0.500	0.0914	mg/Kg		08/01/23 06:05	08/02/23 11:39	20

Client Sample ID: B08WW-2
Date Collected: 07/25/23 11:15
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-38
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15.3		0.493	0.0900	mg/Kg		08/01/23 06:02	08/02/23 14:42	20

Client Sample ID: B08WW-4
Date Collected: 07/25/23 11:16
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-39
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15.9		0.495	0.0905	mg/Kg		08/01/23 06:02	08/02/23 14:44	20

Client Sample ID: B08W-6
Date Collected: 07/25/23 11:30
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-45
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.4		0.490	0.0896	mg/Kg		08/01/23 06:02	08/02/23 14:53	20

Client Sample ID: B08SS-2
Date Collected: 07/25/23 11:47
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-51
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.8		0.493	0.0900	mg/Kg		08/01/23 06:02	08/02/23 14:55	20

Client Sample ID: B08SS-4
Date Collected: 07/25/23 11:49
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-52
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17.2		0.495	0.0905	mg/Kg		08/01/23 06:02	08/02/23 14:57	20

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: B08S-6
Date Collected: 07/25/23 12:03
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-57
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14.6		0.500	0.0914	mg/Kg		08/01/23 06:02	08/02/23 14:59	20

Client Sample ID: B08EE-2
Date Collected: 07/25/23 12:20
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-63
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14.4		0.495	0.0905	mg/Kg		08/01/23 06:02	08/02/23 15:01	20

Client Sample ID: B08EE-4
Date Collected: 07/25/23 12:22
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-64
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.9		0.493	0.0900	mg/Kg		08/01/23 06:02	08/02/23 15:03	20

Client Sample ID: B07WW-2
Date Collected: 07/25/23 13:57
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-67
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	20.9		0.488	0.0892	mg/Kg		08/01/23 06:02	08/02/23 15:05	20

Client Sample ID: B07WW-4
Date Collected: 07/25/23 13:58
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-68
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.8		0.493	0.0900	mg/Kg		08/01/23 06:02	08/02/23 15:07	20

Client Sample ID: B07EE-2
Date Collected: 07/25/23 15:23
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-72
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.96		0.488	0.0892	mg/Kg		08/01/23 06:02	08/02/23 15:10	20

Client Sample ID: B07EE-4
Date Collected: 07/25/23 15:25
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-73
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17.4		0.498	0.0909	mg/Kg		08/01/23 06:02	08/02/23 15:12	20

Client Sample ID: B07E-6
Date Collected: 07/25/23 14:42
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-78
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.7		0.505	0.0923	mg/Kg		08/01/23 06:02	08/02/23 14:31	20

Client Sample ID: B07N-6
Date Collected: 07/25/23 14:54
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-82
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.5		0.488	0.0892	mg/Kg		08/01/23 06:02	08/02/23 15:22	20

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: B07NN-2
Date Collected: 07/25/23 15:05
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-84
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17.1		0.495	0.0905	mg/Kg		08/01/23 06:02	08/02/23 15:24	20

Client Sample ID: B07NN-4
Date Collected: 07/25/23 15:06
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-85
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15.6		0.500	0.0914	mg/Kg		08/01/23 06:02	08/02/23 15:27	20

Client Sample ID: B07W-6
Date Collected: 07/25/23 14:13
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-89
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.0		0.500	0.0914	mg/Kg		08/01/23 06:02	08/02/23 15:29	20

Client Sample ID: B10NN-2
Date Collected: 07/25/23 09:05
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-97
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	19.6		0.490	0.0896	mg/Kg		08/01/23 06:02	08/02/23 15:31	20

Client Sample ID: B10NN-4
Date Collected: 07/25/23 09:06
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-98
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.0		0.495	0.0905	mg/Kg		08/01/23 06:02	08/02/23 15:33	20

Client Sample ID: B10N-6
Date Collected: 07/25/23 09:13
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-103
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.8		0.493	0.0900	mg/Kg		08/01/23 06:02	08/02/23 15:35	20

Client Sample ID: B10A-8
Date Collected: 07/25/23 09:25
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-108
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.4		0.488	0.0892	mg/Kg		08/01/23 05:56	08/02/23 16:59	20

Client Sample ID: B10E-6
Date Collected: 07/25/23 09:38
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-112
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.9		0.488	0.0892	mg/Kg		08/01/23 05:56	08/02/23 17:10	20

Client Sample ID: B10EE-2
Date Collected: 07/25/23 09:44
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-114
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.80		0.500	0.0914	mg/Kg		08/01/23 05:56	08/02/23 17:12	20

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: B10EE-4
Date Collected: 07/25/23 09:45
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-115
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14.8		0.493	0.0900	mg/Kg		08/01/23 05:56	08/02/23 17:19	20

Client Sample ID: B10W-6
Date Collected: 07/25/23 10:20
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-120
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.5		0.493	0.0900	mg/Kg		08/01/23 05:56	08/02/23 17:21	20

Client Sample ID: B10WW-2
Date Collected: 07/25/23 10:00
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-122
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14.6		0.493	0.0900	mg/Kg		08/01/23 05:56	08/02/23 17:23	20

Client Sample ID: B10WW-4
Date Collected: 07/25/23 10:01
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-123
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.0		0.495	0.0905	mg/Kg		08/01/23 05:56	08/02/23 17:25	20

Client Sample ID: B10S-6
Date Collected: 07/25/23 10:30
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-128
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.5		0.500	0.0914	mg/Kg		08/01/23 05:56	08/02/23 17:27	20

Client Sample ID: B10SS-2
Date Collected: 07/25/23 10:33
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-130
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.9		0.498	0.0909	mg/Kg		08/01/23 05:56	08/02/23 17:29	20

Client Sample ID: B10SS-4
Date Collected: 07/25/23 10:34
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-131
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.1		0.498	0.0909	mg/Kg		08/01/23 05:56	08/02/23 17:31	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-350627/1-A ^20
Matrix: Solid
Analysis Batch: 351214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 350627

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.500	0.0914	mg/Kg		08/01/23 06:05	08/02/23 11:02	20

Lab Sample ID: LCS 570-350627/2-A ^20
Matrix: Solid
Analysis Batch: 351214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 350627

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	50.3	50.75		mg/Kg		101	80 - 120

Lab Sample ID: LCSD 570-350627/3-A ^20
Matrix: Solid
Analysis Batch: 351214

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 350627

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	50.5	51.63		mg/Kg		102	80 - 120	2	20

Lab Sample ID: MB 570-350629/1-A ^20
Matrix: Solid
Analysis Batch: 351502

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 350629

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.500	0.0914	mg/Kg		08/01/23 06:02	08/02/23 14:25	20

Lab Sample ID: LCS 570-350629/2-A ^20
Matrix: Solid
Analysis Batch: 351502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 350629

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	49.8	50.96		mg/Kg		102	80 - 120

Lab Sample ID: LCSD 570-350629/3-A ^20
Matrix: Solid
Analysis Batch: 351502

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 350629

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	49.5	49.65		mg/Kg		100	80 - 120	3	20

Lab Sample ID: 570-146364-78 MS
Matrix: Solid
Analysis Batch: 351502

Client Sample ID: B07E-6
Prep Type: Total/NA
Prep Batch: 350629

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	11.7		49.8	61.62		mg/Kg		100	75 - 125

Lab Sample ID: 570-146364-78 MSD
Matrix: Solid
Analysis Batch: 351502

Client Sample ID: B07E-6
Prep Type: Total/NA
Prep Batch: 350629

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	11.7		49.3	60.63		mg/Kg		99	75 - 125	2	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-350631/1-A ^20
Matrix: Solid
Analysis Batch: 351503

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 350631

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.498	0.0909	mg/Kg		08/01/23 05:56	08/02/23 16:53	20

Lab Sample ID: LCS 570-350631/2-A ^20
Matrix: Solid
Analysis Batch: 351503

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 350631

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			50.0	50.64		mg/Kg		101	80 - 120		

Lab Sample ID: LCSD 570-350631/3-A ^20
Matrix: Solid
Analysis Batch: 351503

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 350631

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			49.5	49.55		mg/Kg		100	80 - 120	2	20

Lab Sample ID: 570-146364-108 MS
Matrix: Solid
Analysis Batch: 351503

Client Sample ID: B10A-8
Prep Type: Total/NA
Prep Batch: 350631

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	12.4		49.8	62.87		mg/Kg		101	75 - 125		

Lab Sample ID: 570-146364-108 MSD
Matrix: Solid
Analysis Batch: 351503

Client Sample ID: B10A-8
Prep Type: Total/NA
Prep Batch: 350631

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	12.4		48.8	53.69		mg/Kg		85	75 - 125	16	20

Metals

Prep Batch: 350627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-4	B11E-6	Total/NA	Solid	3050B	
570-146364-6	B11EE-2	Total/NA	Solid	3050B	
570-146364-7	B11EE-4	Total/NA	Solid	3050B	
570-146364-10	B11SS-2	Total/NA	Solid	3050B	
570-146364-11	B11SS-4	Total/NA	Solid	3050B	
570-146364-16	B11S-6	Total/NA	Solid	3050B	
570-146364-18	B11WW-2	Total/NA	Solid	3050B	
570-146364-19	B11WW-4	Total/NA	Solid	3050B	
570-146364-24	B11W-6	Total/NA	Solid	3050B	
570-146364-28	B11N-6	Total/NA	Solid	3050B	
570-146364-30	B11NN-2	Total/NA	Solid	3050B	
570-146364-31	B11NN-4	Total/NA	Solid	3050B	
570-146364-37	B11A-8	Total/NA	Solid	3050B	
MB 570-350627/1-A ^20	Method Blank	Total/NA	Solid	3050B	
LCS 570-350627/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-350627/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	3050B	

Prep Batch: 350629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-38	B08WW-2	Total/NA	Solid	3050B	
570-146364-39	B08WW-4	Total/NA	Solid	3050B	
570-146364-45	B08W-6	Total/NA	Solid	3050B	
570-146364-51	B08SS-2	Total/NA	Solid	3050B	
570-146364-52	B08SS-4	Total/NA	Solid	3050B	
570-146364-57	B08S-6	Total/NA	Solid	3050B	
570-146364-63	B08EE-2	Total/NA	Solid	3050B	
570-146364-64	B08EE-4	Total/NA	Solid	3050B	
570-146364-67	B07WW-2	Total/NA	Solid	3050B	
570-146364-68	B07WW-4	Total/NA	Solid	3050B	
570-146364-72	B07EE-2	Total/NA	Solid	3050B	
570-146364-73	B07EE-4	Total/NA	Solid	3050B	
570-146364-78	B07E-6	Total/NA	Solid	3050B	
570-146364-82	B07N-6	Total/NA	Solid	3050B	
570-146364-84	B07NN-2	Total/NA	Solid	3050B	
570-146364-85	B07NN-4	Total/NA	Solid	3050B	
570-146364-89	B07W-6	Total/NA	Solid	3050B	
570-146364-97	B10NN-2	Total/NA	Solid	3050B	
570-146364-98	B10NN-4	Total/NA	Solid	3050B	
570-146364-103	B10N-6	Total/NA	Solid	3050B	
MB 570-350629/1-A ^20	Method Blank	Total/NA	Solid	3050B	
LCS 570-350629/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-350629/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-146364-78 MS	B07E-6	Total/NA	Solid	3050B	
570-146364-78 MSD	B07E-6	Total/NA	Solid	3050B	

Prep Batch: 350631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-108	B10A-8	Total/NA	Solid	3050B	
570-146364-112	B10E-6	Total/NA	Solid	3050B	
570-146364-114	B10EE-2	Total/NA	Solid	3050B	
570-146364-115	B10EE-4	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 350631 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-120	B10W-6	Total/NA	Solid	3050B	
570-146364-122	B10WW-2	Total/NA	Solid	3050B	
570-146364-123	B10WW-4	Total/NA	Solid	3050B	
570-146364-128	B10S-6	Total/NA	Solid	3050B	
570-146364-130	B10SS-2	Total/NA	Solid	3050B	
570-146364-131	B10SS-4	Total/NA	Solid	3050B	
MB 570-350631/1-A ^20	Method Blank	Total/NA	Solid	3050B	
LCS 570-350631/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-350631/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-146364-108 MS	B10A-8	Total/NA	Solid	3050B	
570-146364-108 MSD	B10A-8	Total/NA	Solid	3050B	

Analysis Batch: 351214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-4	B11E-6	Total/NA	Solid	6020	350627
570-146364-6	B11EE-2	Total/NA	Solid	6020	350627
570-146364-7	B11EE-4	Total/NA	Solid	6020	350627
570-146364-10	B11SS-2	Total/NA	Solid	6020	350627
570-146364-11	B11SS-4	Total/NA	Solid	6020	350627
570-146364-16	B11S-6	Total/NA	Solid	6020	350627
570-146364-18	B11WW-2	Total/NA	Solid	6020	350627
570-146364-19	B11WW-4	Total/NA	Solid	6020	350627
570-146364-24	B11W-6	Total/NA	Solid	6020	350627
570-146364-28	B11N-6	Total/NA	Solid	6020	350627
570-146364-30	B11NN-2	Total/NA	Solid	6020	350627
570-146364-31	B11NN-4	Total/NA	Solid	6020	350627
570-146364-37	B11A-8	Total/NA	Solid	6020	350627
MB 570-350627/1-A ^20	Method Blank	Total/NA	Solid	6020	350627
LCS 570-350627/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	350627
LCSD 570-350627/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	6020	350627

Analysis Batch: 351502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-38	B08WW-2	Total/NA	Solid	6020	350629
570-146364-39	B08WW-4	Total/NA	Solid	6020	350629
570-146364-45	B08W-6	Total/NA	Solid	6020	350629
570-146364-51	B08SS-2	Total/NA	Solid	6020	350629
570-146364-52	B08SS-4	Total/NA	Solid	6020	350629
570-146364-57	B08S-6	Total/NA	Solid	6020	350629
570-146364-63	B08EE-2	Total/NA	Solid	6020	350629
570-146364-64	B08EE-4	Total/NA	Solid	6020	350629
570-146364-67	B07WW-2	Total/NA	Solid	6020	350629
570-146364-68	B07WW-4	Total/NA	Solid	6020	350629
570-146364-72	B07EE-2	Total/NA	Solid	6020	350629
570-146364-73	B07EE-4	Total/NA	Solid	6020	350629
570-146364-78	B07E-6	Total/NA	Solid	6020	350629
570-146364-82	B07N-6	Total/NA	Solid	6020	350629
570-146364-84	B07NN-2	Total/NA	Solid	6020	350629
570-146364-85	B07NN-4	Total/NA	Solid	6020	350629
570-146364-89	B07W-6	Total/NA	Solid	6020	350629
570-146364-97	B10NN-2	Total/NA	Solid	6020	350629

Metals (Continued)

Analysis Batch: 351502 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-98	B10NN-4	Total/NA	Solid	6020	350629
570-146364-103	B10N-6	Total/NA	Solid	6020	350629
MB 570-350629/1-A ^20	Method Blank	Total/NA	Solid	6020	350629
LCS 570-350629/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	350629
LCSD 570-350629/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	6020	350629
570-146364-78 MS	B07E-6	Total/NA	Solid	6020	350629
570-146364-78 MSD	B07E-6	Total/NA	Solid	6020	350629

Analysis Batch: 351503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-108	B10A-8	Total/NA	Solid	6020	350631
570-146364-112	B10E-6	Total/NA	Solid	6020	350631
570-146364-114	B10EE-2	Total/NA	Solid	6020	350631
570-146364-115	B10EE-4	Total/NA	Solid	6020	350631
570-146364-120	B10W-6	Total/NA	Solid	6020	350631
570-146364-122	B10WW-2	Total/NA	Solid	6020	350631
570-146364-123	B10WW-4	Total/NA	Solid	6020	350631
570-146364-128	B10S-6	Total/NA	Solid	6020	350631
570-146364-130	B10SS-2	Total/NA	Solid	6020	350631
570-146364-131	B10SS-4	Total/NA	Solid	6020	350631
MB 570-350631/1-A ^20	Method Blank	Total/NA	Solid	6020	350631
LCS 570-350631/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	350631
LCSD 570-350631/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	6020	350631
570-146364-108 MS	B10A-8	Total/NA	Solid	6020	350631
570-146364-108 MSD	B10A-8	Total/NA	Solid	6020	350631

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-2

Client Sample ID: B11E-6
Date Collected: 07/25/23 08:50
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-4
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			2.03 g	50 mL	350627	08/01/23 06:05	TL	EET CAL 4
Total/NA	Analysis	6020		20			351214	08/02/23 10:47	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11EE-2
Date Collected: 07/25/23 08:56
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-6
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			2.04 g	50 mL	350627	08/01/23 06:05	TL	EET CAL 4
Total/NA	Analysis	6020		20			351214	08/02/23 10:49	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11EE-4
Date Collected: 07/25/23 08:57
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-7
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			2.03 g	50 mL	350627	08/01/23 06:05	TL	EET CAL 4
Total/NA	Analysis	6020		20			351214	08/02/23 10:51	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11SS-2
Date Collected: 07/25/23 09:05
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-10
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			2.02 g	50 mL	350627	08/01/23 06:05	TL	EET CAL 4
Total/NA	Analysis	6020		20			351214	08/02/23 10:53	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11SS-4
Date Collected: 07/25/23 09:06
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-11
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			2.02 g	50 mL	350627	08/01/23 06:05	TL	EET CAL 4
Total/NA	Analysis	6020		20			351214	08/02/23 10:55	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-2

Client Sample ID: B11S-6
Date Collected: 07/25/23 09:02
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-16
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			2.01 g	50 mL	350627	08/01/23 06:05	TL	EET CAL 4
Total/NA	Analysis	6020		20			351214	08/02/23 11:19	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11WW-2
Date Collected: 07/25/23 09:25
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-18
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			2.04 g	50 mL	350627	08/01/23 06:05	TL	EET CAL 4
Total/NA	Analysis	6020		20			351214	08/02/23 11:21	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11WW-4
Date Collected: 07/25/23 09:27
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-19
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			2.04 g	50 mL	350627	08/01/23 06:05	TL	EET CAL 4
Total/NA	Analysis	6020		20			351214	08/02/23 11:28	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11W-6
Date Collected: 07/25/23 09:40
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-24
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			2.02 g	50 mL	350627	08/01/23 06:05	TL	EET CAL 4
Total/NA	Analysis	6020		20			351214	08/02/23 11:30	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11N-6
Date Collected: 07/25/23 09:49
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-28
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			2.03 g	50 mL	350627	08/01/23 06:05	TL	EET CAL 4
Total/NA	Analysis	6020		20			351214	08/02/23 11:32	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-2

Client Sample ID: B11NN-2
Date Collected: 07/25/23 09:54
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-30
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			2.00 g	50 mL	350627	08/01/23 06:05	TL	EET CAL 4
Total/NA	Analysis	6020		20			351214	08/02/23 11:34	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11NN-4
Date Collected: 07/25/23 09:55
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-31
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			2.05 g	50 mL	350627	08/01/23 06:05	TL	EET CAL 4
Total/NA	Analysis	6020		20			351214	08/02/23 11:36	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11A-8
Date Collected: 07/25/23 10:10
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-37
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			2.00 g	50 mL	350627	08/01/23 06:05	TL	EET CAL 4
Total/NA	Analysis	6020		20			351214	08/02/23 11:39	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08WW-2
Date Collected: 07/25/23 11:15
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-38
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			2.03 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 14:42	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08WW-4
Date Collected: 07/25/23 11:16
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-39
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			2.02 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 14:44	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-2

Client Sample ID: B08W-6
Date Collected: 07/25/23 11:30
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-45
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			2.04 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 14:53	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08SS-2
Date Collected: 07/25/23 11:47
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-51
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			2.03 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 14:55	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08SS-4
Date Collected: 07/25/23 11:49
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-52
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			2.02 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 14:57	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08S-6
Date Collected: 07/25/23 12:03
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-57
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			2.00 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 14:59	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08EE-2
Date Collected: 07/25/23 12:20
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-63
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			2.02 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 15:01	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-2

Client Sample ID: B08EE-4
Date Collected: 07/25/23 12:22
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-64
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			2.03 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 15:03	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07WW-2
Date Collected: 07/25/23 13:57
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-67
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			2.05 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 15:05	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07WW-4
Date Collected: 07/25/23 13:58
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-68
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			2.03 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 15:07	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07EE-2
Date Collected: 07/25/23 15:23
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-72
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			2.05 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 15:10	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07EE-4
Date Collected: 07/25/23 15:25
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-73
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			2.01 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 15:12	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-2

Client Sample ID: B07E-6
Date Collected: 07/25/23 14:42
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-78
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			1.98 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 14:31	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07N-6
Date Collected: 07/25/23 14:54
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-82
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			2.05 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 15:22	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07NN-2
Date Collected: 07/25/23 15:05
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-84
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			2.02 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 15:24	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07NN-4
Date Collected: 07/25/23 15:06
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-85
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			2.00 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 15:27	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07W-6
Date Collected: 07/25/23 14:13
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-89
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			2.00 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 15:29	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-2

Client Sample ID: B10NN-2
Date Collected: 07/25/23 09:05
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-97
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			2.04 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 15:31	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10NN-4
Date Collected: 07/25/23 09:06
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-98
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			2.02 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 15:33	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10N-6
Date Collected: 07/25/23 09:13
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-103
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			2.03 g	50 mL	350629	08/01/23 06:02	TL	EET CAL 4
Total/NA	Analysis	6020		20			351502	08/02/23 15:35	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10A-8
Date Collected: 07/25/23 09:25
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-108
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			2.05 g	50 mL	350631	08/01/23 05:56	TL	EET CAL 4
Total/NA	Analysis	6020		20			351503	08/02/23 16:59	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10E-6
Date Collected: 07/25/23 09:38
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-112
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			2.05 g	50 mL	350631	08/01/23 05:56	TL	EET CAL 4
Total/NA	Analysis	6020		20			351503	08/02/23 17:10	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-2

Client Sample ID: B10EE-2

Lab Sample ID: 570-146364-114

Date Collected: 07/25/23 09:44
Matrix: Solid
Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	350631	08/01/23 05:56	TL	EET CAL 4
Total/NA	Analysis	6020		20			351503	08/02/23 17:12	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10EE-4

Lab Sample ID: 570-146364-115

Date Collected: 07/25/23 09:45
Matrix: Solid
Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	350631	08/01/23 05:56	TL	EET CAL 4
Total/NA	Analysis	6020		20			351503	08/02/23 17:19	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10W-6

Lab Sample ID: 570-146364-120

Date Collected: 07/25/23 10:20
Matrix: Solid
Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	350631	08/01/23 05:56	TL	EET CAL 4
Total/NA	Analysis	6020		20			351503	08/02/23 17:21	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10WW-2

Lab Sample ID: 570-146364-122

Date Collected: 07/25/23 10:00
Matrix: Solid
Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	350631	08/01/23 05:56	TL	EET CAL 4
Total/NA	Analysis	6020		20			351503	08/02/23 17:23	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10WW-4

Lab Sample ID: 570-146364-123

Date Collected: 07/25/23 10:01
Matrix: Solid
Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	350631	08/01/23 05:56	TL	EET CAL 4
Total/NA	Analysis	6020		20			351503	08/02/23 17:25	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-2

Client Sample ID: B10S-6

Lab Sample ID: 570-146364-128

Date Collected: 07/25/23 10:30

Matrix: Solid

Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	350631	08/01/23 05:56	TL	EET CAL 4
Total/NA	Analysis	6020		20			351503	08/02/23 17:27	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10SS-2

Lab Sample ID: 570-146364-130

Date Collected: 07/25/23 10:33

Matrix: Solid

Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	350631	08/01/23 05:56	TL	EET CAL 4
Total/NA	Analysis	6020		20			351503	08/02/23 17:29	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10SS-4

Lab Sample ID: 570-146364-131

Date Collected: 07/25/23 10:34

Matrix: Solid

Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	350631	08/01/23 05:56	TL	EET CAL 4
Total/NA	Analysis	6020		20			351503	08/02/23 17:31	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Laboratory References:

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

Accreditation/Certification Summary

Client: NV5, Inc
Job ID: 570-146364-2
Project/Site: McKinley Elementary School

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-24
Oregon	NELAP	4175	02-02-24

Method Summary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-2

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	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: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-146364-4	B11E-6	Solid	07/25/23 08:50	07/26/23 13:50
570-146364-6	B11EE-2	Solid	07/25/23 08:56	07/26/23 13:50
570-146364-7	B11EE-4	Solid	07/25/23 08:57	07/26/23 13:50
570-146364-10	B11SS-2	Solid	07/25/23 09:05	07/26/23 13:50
570-146364-11	B11SS-4	Solid	07/25/23 09:06	07/26/23 13:50
570-146364-16	B11S-6	Solid	07/25/23 09:02	07/26/23 13:50
570-146364-18	B11WW-2	Solid	07/25/23 09:25	07/26/23 13:50
570-146364-19	B11WW-4	Solid	07/25/23 09:27	07/26/23 13:50
570-146364-24	B11W-6	Solid	07/25/23 09:40	07/26/23 13:50
570-146364-28	B11N-6	Solid	07/25/23 09:49	07/26/23 13:50
570-146364-30	B11NN-2	Solid	07/25/23 09:54	07/26/23 13:50
570-146364-31	B11NN-4	Solid	07/25/23 09:55	07/26/23 13:50
570-146364-37	B11A-8	Solid	07/25/23 10:10	07/26/23 13:50
570-146364-38	B08WW-2	Solid	07/25/23 11:15	07/26/23 13:50
570-146364-39	B08WW-4	Solid	07/25/23 11:16	07/26/23 13:50
570-146364-45	B08W-6	Solid	07/25/23 11:30	07/26/23 13:50
570-146364-51	B08SS-2	Solid	07/25/23 11:47	07/26/23 13:50
570-146364-52	B08SS-4	Solid	07/25/23 11:49	07/26/23 13:50
570-146364-57	B08S-6	Solid	07/25/23 12:03	07/26/23 13:50
570-146364-63	B08EE-2	Solid	07/25/23 12:20	07/26/23 13:50
570-146364-64	B08EE-4	Solid	07/25/23 12:22	07/26/23 13:50
570-146364-67	B07WW-2	Solid	07/25/23 13:57	07/26/23 13:50
570-146364-68	B07WW-4	Solid	07/25/23 13:58	07/26/23 13:50
570-146364-72	B07EE-2	Solid	07/25/23 15:23	07/26/23 13:50
570-146364-73	B07EE-4	Solid	07/25/23 15:25	07/26/23 13:50
570-146364-78	B07E-6	Solid	07/25/23 14:42	07/26/23 13:50
570-146364-82	B07N-6	Solid	07/25/23 14:54	07/26/23 13:50
570-146364-84	B07NN-2	Solid	07/25/23 15:05	07/26/23 13:50
570-146364-85	B07NN-4	Solid	07/25/23 15:06	07/26/23 13:50
570-146364-89	B07W-6	Solid	07/25/23 14:13	07/26/23 13:50
570-146364-97	B10NN-2	Solid	07/25/23 09:05	07/26/23 13:50
570-146364-98	B10NN-4	Solid	07/25/23 09:06	07/26/23 13:50
570-146364-103	B10N-6	Solid	07/25/23 09:13	07/26/23 13:50
570-146364-108	B10A-8	Solid	07/25/23 09:25	07/26/23 13:50
570-146364-112	B10E-6	Solid	07/25/23 09:38	07/26/23 13:50
570-146364-114	B10EE-2	Solid	07/25/23 09:44	07/26/23 13:50
570-146364-115	B10EE-4	Solid	07/25/23 09:45	07/26/23 13:50
570-146364-120	B10W-6	Solid	07/25/23 10:20	07/26/23 13:50
570-146364-122	B10WW-2	Solid	07/25/23 10:00	07/26/23 13:50
570-146364-123	B10WW-4	Solid	07/25/23 10:01	07/26/23 13:50
570-146364-128	B10S-6	Solid	07/25/23 10:30	07/26/23 13:50
570-146364-130	B10SS-2	Solid	07/25/23 10:33	07/26/23 13:50
570-146364-131	B10SS-4	Solid	07/25/23 10:34	07/26/23 13:50

Vikas Patel

From: Eric Fraske <eric.fraske@nv5.com>
Sent: Monday, July 31, 2023 10:52 AM
To: Vikas Patel
Subject: RE: Eurofins Calscience EDD, report and invoice files from 570-146364-1 McKinley Elementary School

Thanks Vik,

I need the following samples also analyzed for arsenic by USEPA Method 6020. Is a two-day TAT possible?

- B11A-8
- B11N-6
- B11S-6
- B11E-6
- B11W-6
- B11NN-2
- B11NN-4
- B11SS-2
- B11SS-4
- B11EE-2
- B11EE-4
- B11WW-2
- B11WW-4
- B10A-8
- B10N-6
- B10S-6
- B10E-6
- B10W-6
- B10EE-2
- B10EE-4
- B10WW-2
- B10WW-4
- B10NN-2
- B10NN-4
- B10SS-2
- B10SS-4
- B07N-6
- B07W-6
- B07E-6
- B07EE-2
- B07EE-4
- B07NN-2
- B07NN-4
- B07WW-2
- B07WW-4
- B08S-6
- B08E-6

- B08W-6
- B08EE-2
- B08EE-4
- B08SS-2
- B08SS-4
- B08WW-2
- B08WW-4

Also, please change the name of sample B07-6 DUP to “B07A-6 DUP”. It’s LAB sample ID 570-146364-95

Thank you,

Eric Fraske | Senior Engineer III | **NV5** | Site Assessment and Remediation
3777 Long Beach Boulevard, Annex Building | Long Beach, CA 90807 | P: 562.495.5777 | C: 562.544.3910
eric.fraske@nv5.com | www.altaenviron.com | www.nv5.com | Electronic Communications Disclaimer

I am working remotely and can be reached via cell at 562.544.3910.

Alta Environmental is now NV5.

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Loc: 570
146364

FRM51406 Rev. 1.2

570-146364 Chain of Custody

CHAIN-OF-CUSTODY RECORD

DATE: 7/25/2023

PAGE: 1 OF 14

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:

☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
1	B11E-2	7/25/23	8:47	SOIL	1	X			X	
2	B11E-4	"	8:49	SOIL	1	X			X	
3	B11E-4 DUP		8:49	SOIL	1	X			X	
4	B11E-6		8:50	SOIL	1	X				X
5	B11E-8		8:51	SOIL	1	X				X
6	B11EE-2		8:56	SOIL	1	X				X
7	B11EE-4		8:57	SOIL	1	X				X
8	B11EE-6		8:59	SOIL	1	X				X
9	B11EE-8		9:00	SOIL	1	X				X
10	B11SS-2	↓	9:05	SOIL	1	X				X

Relinquished by: (Signature)	Date: 07/26	Time: 13:50	Received by: (Signature/Affiliation) EC
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)

Date: 7/26/23	Time: 13:50	
Date:	Time:	
Date:	Time:	

4.2/4.5 3.9/4.2 3.6/3.9 SC15

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CHAIN-OF-CUSTODY RECORD

DATE: 7/25/2023

LABORATORY CLIENT: NV5, Inc.
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-544-3977 E-MAIL:
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD:
☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
P.O. NO.: SMSD-23-11670
PROJECT CONTACT: Eric Fraske
LAB CONTACT OR QUOTE NO.: 57016144
GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
11	~~BSS~~ B11SS-4	7/25/23	9:06	Soil	1	X				X
12	B11SS-6	7/25/23	9:10	SOIL	1	X				X
13	B11SS-8	7/25/23	9:11	SOIL	1	X				X
14	B11S~~S~~-2	7/25/23	9:15	SOIL	1	X			X	
15	B11S-4	7/25/23	9:16	SOIL	1	X			X	
16	B11S-6	7/25/23	9:20	SOIL	1	X				X
17	B11S-8	7/25/23	9:21	SOIL	1	X				X
18	B11WW-2	7/25/23	9:25	SOIL	1	X				X
19	B11WW-4	7/25/23	9:27	SOIL	1	X				X
20	B11WW-6	7/25/23	9:30	SOIL	1	X				X

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	07/26	13:50	[signature] EC	7/26/23	13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

DATE: 7/25/2023

PAGE: 3 OF 14

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:

☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
21	B11WW-8	7/25/23	9:31	SOIL	1	X				X
22	B11W-2		9:35			X			X	
23	B11W-4		9:36			X			X	
24	B11W-6		9:40			X				X
25	B11W-8		9:41			X				X
26	B11N-2		9:46			X			X	X
27	B11N-4		9:47			X			X	X
28	B11N-6		9:49			X				X
29	B11N-8		9:50			X				X
30	B11NN-2		9:54			X				X

Relinquished by: (Signature)	Date: 07126	Time: 13:50	Received by: (Signature/Affiliation) EC Date: 7/26/23 Time: 13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation) Date: Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation) Date: Time:

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CHAIN-OF-CUSTODY RECORD

DATE: 7/25/23

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
31	B11NN-4	7/25	9:55	SOIL	1	X				X
32	B11NN-6	7/25/23	10:00			X				X
33	B11NN-8	7/25/23	10:01			X				X
34	B11A-2	7/25/23	10:04			X				X
35	B11A-4	7/25/23	10:05			X				X
36	B11A-6	7/25/23	10:08			✓			X	
37	B11A-8	7/25/23	10:10			X				X
38	B08WW-2	7/25/23	11:15			X				X
39	B08WW-4	7/25/23	11:16			X				X
40	B08WW-6	7/25/23	11:17			✓				X

Relinquished by: (Signature)	Date: 07125	Time: 13:50	Received by: (Signature/Affiliation) EC
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)

		Date: 7/26/23	Time: 13:50
		Date:	Time:
		Date:	Time:

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CHAIN-OF-CUSTODY RECORD

DATE: 7/25/2023

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
41	B08WW-8	7/25	11:18	SOIL	1	X				X
42	B08W-2	"	11:19	"	"	X			X	
43	B08W-2DUP	"	11:19	"	"	X			X	
44	B08W-4	"	11:20	"	"	X			X	
45	B08W-6	"	11:50	"	"	X				X
46	B08W-8	"	11:31	"	"	X				X
47	B08A-2	"	11:35	"	"	X				X
48	B08A-4	"	11:37	"	"	X				X
49	B08A-6	"	11:40	"	"	X			X	
50	B08A-8	"	11:41	"	"	X				X

Relinquished by: (Signature)	Date: 07/26	Time: 13:50	Received by: (Signature/Affiliation) EC
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)

Date:	Time:
7/26/23	13:50

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CHAIN-OF-CUSTODY RECORD

DATE: 7/25/2023
PAGE: 6 OF 14

LABORATORY CLIENT: NV5, Inc.		CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling	P.O. NO.: SMSD-23-11670
ADDRESS: 3777 Long Beach Blvd, Annex Building		PROJECT CONTACT: Eric Fraske	LAB CONTACT OR QUOTE NO.: 57016144
CITY: Long Beach	STATE: CA ZIP: 90807	GLOBAL ID:	LOG CODE:
TEL: 562-544-3977	E-MAIL:		SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
51	B08SS-2	7/25	11:47	SOIL	1	X				X
52	B08SS-4	↓	11:49	↓	↓	X				X
53	B08SS-6		11:53			X				X
54	B08SS-8		11:55			X				X
55	B08S-2		11:57			X			X	
56	B08S-4		11:58			X			X	
57	B08S-6		12:03			X				X
58	B08S-8		12:05			X				X
59	B08E-2		12:10			X			X	
60	B08E-4	↓	12:12	↓	↓	X			X	

	Date	Time		Date	Time
Relinquished by: (Signature)	07/25	13:50	Received by: (Signature/Affiliation)	7/26/23	13:50
Relinquished by: (Signature)			Received by: (Signature/Affiliation)		
Relinquished by: (Signature)			Received by: (Signature/Affiliation)		

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FRM51408 Rev. 1.2

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CHAIN-OF-CUSTODY RECORD

DATE: 7/25/23

LABORATORY CLIENT: NV5, Inc.

ADDRESS: 3777 Long Beach Blvd, Annex Building

CITY: Long Beach STATE: CA ZIP: 90807

TEL: 562-544-3977 E-MAIL:

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:

☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling

P.O. NO.: SMSD-23-11670

PROJECT CONTACT: Eric Fraske

LAB CONTACT OR QUOTE NO.: 57016144

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT)

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
61	B08E-6	7/25	12:14	Soil	1	X				X
62	B08E-8	"	12:15	"	"	X				X
63	B08EE-2	"	12:20	"	"	X				X
64	B08EE-4	"	12:22	"	"	X				X
65	B08EE-6	"	12:25	"	"	X				X
66	B08EE-8	"	12:27	"	"	X				X
67	B07EE-2	"	13:57	"	"	X				X
68	B07EE-4	"	13:58	"	"	X				X
69	B07EE-6	"	14:02	"	"	X				X
70	B07EE-8	"	14:03	"	"	X				X

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
	07/25	13:50	EC	7/26/23	13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:

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146364

CHAIN-OF-CUSTODY RECORD

DATE: 07/25

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
71	B07NN-8	07/25	15:09	soil	1	X				X
72	B07EE-2		15:23			X				X
73	B07EE-4		15:25			X				X
74	B07EE-6		15:27			X				X
75	B07EE-8		15:28	↓		X				X
	~~EB~~	↓	—	~~W~~	↓	~~X~~			(X)	~~X~~
76	EB072523	07/25		W	1	X			X	

Relinquished by: (Signature)	Date: 07/25	Time: 13:50	Received by: (Signature/Affiliation) EC
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)

Date: 7/26/23 Time: 13:50

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FRM51408 Rev. 1.2

CHAIN-OF-CUSTODY RECORD

DATE: 07/25

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
77	BOTE-4	07/25	14:40	Soil	1	X			X	
78	BOTE-6		14:42			X				X
79	BOTE-8		14:43			X				X
80	BOTN-2		14:52			X			X	
81	BOTN-4		14:53			X			X	
82	BOTN-6		14:54			X				X
83	BOTN-8		14:55			X				X
84	BOTNN-2		15:05			X			[illegible]	⊗
85	BOTNN-4		15:06			X				X
86	BOTNN-6	↓	15:08	↓	↓	X				X

Relinquished by: (Signature)	Date: 07/26	Time: 13:50	Received by: (Signature/Affiliation) EC	Date: 7/26/23 Time: 13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date: Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date: Time:

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146364

CHAIN-OF-CUSTODY RECORD

DATE: 07/25

LABORATORY CLIENT: NV5, Inc.		CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling	P.O. NO.: SMSD-23-11670
ADDRESS: 3777 Long Beach Blvd, Annex Building		PROJECT CONTACT: Eric Fraske	LAB CONTACT OR QUOTE NO.: 57016144
CITY: Long Beach	STATE: CA ZIP: 90807	GLOBAL ID:	LOG CODE:
TEL: 562-544-3977	E-MAIL:		SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
87	BOTW-2	07/25	14:12	Soil	1	X			X	
88	BOTW-4		14:12			X			X	
89	BOTW-6		14:13			X				X
90	BOTW-8		14:14			X				X
91	BOTA-2		14:19			X				X
92	BOTA-4		14:18			X				X
93	BOTA-6		14:21			X			X	
94	BOTA-8		14:22			X				X
95	BOT-6 Dup		14:21			X			X	
96	BOTE-2		14:39			X			X	

	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature)	07/26	13:50	EC	7/26/23	13:50
Relinquished by: (Signature)					
Relinquished by: (Signature)					

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CHAIN-OF-CUSTODY RECORD

DATE: 07/26

PAGE: 11 OF 14

LABORATORY CLIENT: NV5, Inc.		CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling	P.O. NO.: SMSD-23-11670
ADDRESS: 3777 Long Beach Blvd, Annex Building		PROJECT CONTACT: Eric Fraske	LAB CONTACT OR QUOTE NO.: 57016144
CITY: Long Beach	STATE: CA ZIP: 90807	GLOBAL ID:	LOG CODE:
TEL: 562-544-3977	E-MAIL:		SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
97	BlONN-2	7/26	09:05	Soil	1	X				X
98	BlONN-4		09:06			X				X
99	BlONN-6		09:07			X				X
100	BlONN-8		09:08			X				X
101	BlON-2		09:10			X			X	
102	BlON-4		09:11			X			X	
103	BlON-6		09:13			X				X
104	BlON-8		09:14			X				X
105	BlOA-2		09:19			X				X
106	BlOA-4		09:20			X				X

Relinquished by: (Signature)	Date: 07/26	Time: 13:50	Received by: (Signature/Affiliation) FEC	Date: 7/26/23 Time: 13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date: Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date: Time:

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TEL: 562-544-3977	E-MAIL:		SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
107	B10A-6	07/26	09:24	Soil	1	X			X	
108	B10A-8		09:25			X				X
109	B10E-2		09:35			X			X	
110	B10E-2 Dup		09:36			X			X	
111	B10E-4		09:37			X			X	
112	B10E-6		09:38			X				X
113	B10E-8		09:39			X				X
114	B10EE-2		09:44			X				X
115	B10EE-4		09:45			X				X
116	B10EE-6	↓	09:47	↓	↓	X				X

	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	07/26	13:50	EC	7/26/23	13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:

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CITY: Long Beach	STATE: CA ZIP: 90807	GLOBAL ID:	LOG CODE:
TEL: 562-544-3977	E-MAIL:		SAMPLER(S): (PRINT)

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EDD:

☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

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LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
117	BlOEE-8	07/26	09:48	Soil	1	X				X
118	Blow-2		10:15			X			X	
119	Blow-4		10:16			X			X	
120	Blow-6		10:20			X				X
121	Blow-8		10:21			X				X
122	BlOWW-2		10:00			X				X
123	BlOWW-4		10:01			X				X
124	BlOWW-6		10:03			X				X
125	BlOWW-8		10:04			X				X
126	Blos-2		10:25			X			X	

	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature)	07/26	13:50	BC	7/26/23	13:50
Relinquished by: (Signature)					
Relinquished by: (Signature)					

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CHAIN-OF-CUSTODY RECORD

DATE: 07/26

PAGE: 14 OF 14

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LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
127	BLOS-4	07/26	10:26	Soil	1	X			X	
128	BLOS-6		10:30							X
129	BLOS-8		10:31							X
130	BLOSS-2		10:33						X	X
131	BLOSS-4		10:34						X	X
132	BLOSS-6		10:38							X
133	BLOSS-8		10:40							X
134	EB072623		10:45	W	1	X			X	

Relinquished by: (Signature)	Date: 07/26	Time: 13:50	Received by: (Signature/Affiliation) RC Date: 7/26/23 Time: 13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation) Date: Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation) Date: Time:

Login Sample Receipt Checklist

Client: NV5, Inc

Job Number: 570-146364-2

Login Number: 146364
List Number: 1
Creator: Hernandez, Richie

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Eric Fraske
NV5, Inc
3777 Long Beach Blvd,
Long Beach, California 90807

Generated 8/8/2023 5:15:47 PM

JOB DESCRIPTION

McKinley Elementary School

JOB NUMBER

570-146364-3

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

Job Notes

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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

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Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494

Table of Contents

Definitions/Glossary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

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: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Job ID: 570-146364-3

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-146364-3

Comments
No additional comments.

Receipt
The samples were received on 7/26/2023 1:50 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 3.9º C, 4.2º C and 4.5º C.

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

Detection Summary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Client Sample ID: B11E-8 — Lab Sample ID: 570-146364-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12.9		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B11EE-6 — Lab Sample ID: 570-146364-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12.9		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B11EE-8 — Lab Sample ID: 570-146364-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.6		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B11SS-6 — Lab Sample ID: 570-146364-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	15.4		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B11SS-8 — Lab Sample ID: 570-146364-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13.9		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B11S-8 — Lab Sample ID: 570-146364-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.5		0.503	0.0919	mg/Kg	20		6020	Total/NA

Client Sample ID: B11WW-6 — Lab Sample ID: 570-146364-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	15.3		0.490	0.0896	mg/Kg	20		6020	Total/NA

Client Sample ID: B11WW-8 — Lab Sample ID: 570-146364-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	14.8		0.498	0.0909	mg/Kg	20		6020	Total/NA

Client Sample ID: B11W-8 — Lab Sample ID: 570-146364-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12.3		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B11N-8 — Lab Sample ID: 570-146364-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13.0		0.490	0.0896	mg/Kg	20		6020	Total/NA

Client Sample ID: B11NN-6 — Lab Sample ID: 570-146364-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	14.1		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B11NN-8 — Lab Sample ID: 570-146364-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.2		0.500	0.0914	mg/Kg	20		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Client Sample ID: B11A-2 — Lab Sample ID: 570-146364-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.8		0.498	0.0909	mg/Kg	20		6020	Total/NA

Client Sample ID: B11A-4 — Lab Sample ID: 570-146364-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.9		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B08WW-6 — Lab Sample ID: 570-146364-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.9		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B08WW-8 — Lab Sample ID: 570-146364-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.55		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B08W-8 — Lab Sample ID: 570-146364-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.74		0.503	0.0919	mg/Kg	20		6020	Total/NA

Client Sample ID: B08A-2 — Lab Sample ID: 570-146364-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.0		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B08A-4 — Lab Sample ID: 570-146364-48

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.95		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B08A-8 — Lab Sample ID: 570-146364-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.8		0.498	0.0909	mg/Kg	20		6020	Total/NA

Client Sample ID: B08SS-6 — Lab Sample ID: 570-146364-53

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.5		0.503	0.0919	mg/Kg	20		6020	Total/NA

Client Sample ID: B08SS-8 — Lab Sample ID: 570-146364-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.5		0.505	0.0923	mg/Kg	20		6020	Total/NA

Client Sample ID: B08S-8 — Lab Sample ID: 570-146364-58

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.8		0.503	0.0919	mg/Kg	20		6020	Total/NA

Client Sample ID: B08E-6 — Lab Sample ID: 570-146364-61

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.6		0.498	0.0909	mg/Kg	20		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Client Sample ID: B08E-8 — Lab Sample ID: 570-146364-62

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.1		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B08EE-6 — Lab Sample ID: 570-146364-65

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.1		0.503	0.0919	mg/Kg	20		6020	Total/NA

Client Sample ID: B08EE-8 — Lab Sample ID: 570-146364-66

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.14		0.498	0.0909	mg/Kg	20		6020	Total/NA

Client Sample ID: B07WW-6 — Lab Sample ID: 570-146364-69

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.07		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B07WW-8 — Lab Sample ID: 570-146364-70

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.68		0.503	0.0919	mg/Kg	20		6020	Total/NA

Client Sample ID: B07NN-8 — Lab Sample ID: 570-146364-71

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.50		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B07EE-6 — Lab Sample ID: 570-146364-74

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.90		0.498	0.0909	mg/Kg	20		6020	Total/NA

Client Sample ID: B07EE-8 — Lab Sample ID: 570-146364-75

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.96		0.503	0.0919	mg/Kg	20		6020	Total/NA

Client Sample ID: B07E-8 — Lab Sample ID: 570-146364-79

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.3		0.503	0.0919	mg/Kg	20		6020	Total/NA

Client Sample ID: B07N-8 — Lab Sample ID: 570-146364-83

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.85		0.503	0.0919	mg/Kg	20		6020	Total/NA

Client Sample ID: B07NN-6 — Lab Sample ID: 570-146364-86

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.1		0.490	0.0896	mg/Kg	20		6020	Total/NA

Client Sample ID: B07W-8 — Lab Sample ID: 570-146364-90

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.84		0.500	0.0914	mg/Kg	20		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Client Sample ID: B07A-2 — Lab Sample ID: 570-146364-91

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.9		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B07A-4 — Lab Sample ID: 570-146364-92

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13.8		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B07A-8 — Lab Sample ID: 570-146364-94

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.42		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B10NN-6 — Lab Sample ID: 570-146364-99

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.0		0.498	0.0909	mg/Kg	20		6020	Total/NA

Client Sample ID: B10NN-8 — Lab Sample ID: 570-146364-100

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.6		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B10N-8 — Lab Sample ID: 570-146364-104

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12.2		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B10A-2 — Lab Sample ID: 570-146364-105

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.66		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B10A-4 — Lab Sample ID: 570-146364-106

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13.8		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B10E-8 — Lab Sample ID: 570-146364-113

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.3		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B10EE-6 — Lab Sample ID: 570-146364-116

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.10		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B10EE-8 — Lab Sample ID: 570-146364-117

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.6		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B10W-8 — Lab Sample ID: 570-146364-121

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13.5		0.500	0.0914	mg/Kg	20		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Client Sample ID: B10WW-6 — Lab Sample ID: 570-146364-124

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.3		0.493	0.0900	mg/Kg	20		6020	Total/NA

Client Sample ID: B10WW-8 — Lab Sample ID: 570-146364-125

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.1		0.495	0.0905	mg/Kg	20		6020	Total/NA

Client Sample ID: B10S-8 — Lab Sample ID: 570-146364-129

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.9		0.500	0.0914	mg/Kg	20		6020	Total/NA

Client Sample ID: B10SS-6 — Lab Sample ID: 570-146364-132

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11.1		0.498	0.0909	mg/Kg	20		6020	Total/NA

Client Sample ID: B10SS-8 — Lab Sample ID: 570-146364-133

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12.7		0.493	0.0900	mg/Kg	20		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: B11E-8
Date Collected: 07/25/23 08:51
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.9		0.493	0.0900	mg/Kg		08/04/23 06:17	08/08/23 10:11	20

Client Sample ID: B11EE-6
Date Collected: 07/25/23 08:59
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.9		0.495	0.0905	mg/Kg		08/04/23 06:17	08/08/23 10:22	20

Client Sample ID: B11EE-8
Date Collected: 07/25/23 09:00
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.6		0.500	0.0914	mg/Kg		08/04/23 06:17	08/08/23 10:24	20

Client Sample ID: B11SS-6
Date Collected: 07/25/23 09:10
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-12
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15.4		0.493	0.0900	mg/Kg		08/04/23 06:17	08/08/23 10:46	20

Client Sample ID: B11SS-8
Date Collected: 07/25/23 09:11
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.9		0.493	0.0900	mg/Kg		08/04/23 06:17	08/07/23 14:43	20

Client Sample ID: B11S-8
Date Collected: 07/25/23 09:21
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-17
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.5		0.503	0.0919	mg/Kg		08/04/23 06:17	08/07/23 14:45	20

Client Sample ID: B11WW-6
Date Collected: 07/25/23 09:30
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-20
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15.3		0.490	0.0896	mg/Kg		08/04/23 06:17	08/07/23 14:47	20

Client Sample ID: B11WW-8
Date Collected: 07/25/23 09:31
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-21
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14.8		0.498	0.0909	mg/Kg		08/04/23 06:17	08/07/23 14:49	20

Client Sample ID: B11W-8
Date Collected: 07/25/23 09:41
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-25
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.3		0.500	0.0914	mg/Kg		08/04/23 06:17	08/07/23 14:51	20

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: B11N-8
Date Collected: 07/25/23 09:50
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-29
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.0		0.490	0.0896	mg/Kg		08/04/23 06:17	08/07/23 14:54	20

Client Sample ID: B11NN-6
Date Collected: 07/25/23 10:00
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-32
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14.1		0.493	0.0900	mg/Kg		08/04/23 06:17	08/07/23 14:56	20

Client Sample ID: B11NN-8
Date Collected: 07/25/23 10:01
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-33
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.2		0.500	0.0914	mg/Kg		08/04/23 06:17	08/08/23 10:48	20

Client Sample ID: B11A-2
Date Collected: 07/25/23 10:04
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-34
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.8		0.498	0.0909	mg/Kg		08/04/23 08:16	08/07/23 11:37	20

Client Sample ID: B11A-4
Date Collected: 07/25/23 10:05
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-35
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.9		0.493	0.0900	mg/Kg		08/04/23 08:16	08/07/23 11:48	20

Client Sample ID: B08WW-6
Date Collected: 07/25/23 11:17
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-40
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.9		0.500	0.0914	mg/Kg		08/04/23 08:16	08/07/23 11:50	20

Client Sample ID: B08WW-8
Date Collected: 07/25/23 11:18
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-41
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.55		0.500	0.0914	mg/Kg		08/04/23 08:16	08/07/23 11:56	20

Client Sample ID: B08W-8
Date Collected: 07/25/23 11:31
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-46
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.74		0.503	0.0919	mg/Kg		08/04/23 08:16	08/07/23 11:59	20

Client Sample ID: B08A-2
Date Collected: 07/25/23 11:35
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-47
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.0		0.495	0.0905	mg/Kg		08/04/23 08:16	08/07/23 12:01	20

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: B08A-4
Date Collected: 07/25/23 11:37
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-48
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.95		0.500	0.0914	mg/Kg		08/04/23 08:16	08/07/23 12:03	20

Client Sample ID: B08A-8
Date Collected: 07/25/23 11:41
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-50
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.8		0.498	0.0909	mg/Kg		08/04/23 08:16	08/07/23 12:05	20

Client Sample ID: B08SS-6
Date Collected: 07/25/23 11:53
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-53
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.5		0.503	0.0919	mg/Kg		08/04/23 08:16	08/07/23 12:07	20

Client Sample ID: B08SS-8
Date Collected: 07/25/23 11:55
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-54
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.5		0.505	0.0923	mg/Kg		08/04/23 08:16	08/07/23 12:09	20

Client Sample ID: B08S-8
Date Collected: 07/25/23 12:05
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-58
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.8		0.503	0.0919	mg/Kg		08/04/23 08:16	08/07/23 12:11	20

Client Sample ID: B08E-6
Date Collected: 07/25/23 12:14
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-61
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.6		0.498	0.0909	mg/Kg		08/04/23 08:16	08/07/23 12:13	20

Client Sample ID: B08E-8
Date Collected: 07/25/23 12:15
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-62
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.1		0.500	0.0914	mg/Kg		08/04/23 08:16	08/07/23 12:15	20

Client Sample ID: B08EE-6
Date Collected: 07/25/23 12:25
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-65
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.1		0.503	0.0919	mg/Kg		08/04/23 08:16	08/07/23 12:22	20

Client Sample ID: B08EE-8
Date Collected: 07/25/23 12:27
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-66
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.14		0.498	0.0909	mg/Kg		08/04/23 08:16	08/07/23 12:24	20

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: B07WW-6
Date Collected: 07/25/23 14:02
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-69
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.07		0.495	0.0905	mg/Kg		08/04/23 08:16	08/07/23 12:26	20

Client Sample ID: B07WW-8
Date Collected: 07/25/23 14:03
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-70
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.68		0.503	0.0919	mg/Kg		08/04/23 08:16	08/07/23 12:28	20

Client Sample ID: B07NN-8
Date Collected: 07/25/23 15:09
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-71
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.50		0.500	0.0914	mg/Kg		08/04/23 08:16	08/07/23 12:30	20

Client Sample ID: B07EE-6
Date Collected: 07/25/23 15:27
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-74
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.90		0.498	0.0909	mg/Kg		08/04/23 08:16	08/07/23 12:33	20

Client Sample ID: B07EE-8
Date Collected: 07/25/23 15:28
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-75
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.96		0.503	0.0919	mg/Kg		08/04/23 08:16	08/07/23 12:35	20

Client Sample ID: B07E-8
Date Collected: 07/25/23 14:43
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-79
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.3		0.503	0.0919	mg/Kg		08/04/23 09:07	08/07/23 12:50	20

Client Sample ID: B07N-8
Date Collected: 07/25/23 14:55
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-83
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.85		0.503	0.0919	mg/Kg		08/04/23 09:07	08/07/23 13:00	20

Client Sample ID: B07NN-6
Date Collected: 07/25/23 15:08
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-86
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.1		0.490	0.0896	mg/Kg		08/04/23 09:07	08/07/23 13:02	20

Client Sample ID: B07W-8
Date Collected: 07/25/23 14:14
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-90
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.84		0.500	0.0914	mg/Kg		08/04/23 09:07	08/07/23 13:10	20

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: B07A-2
Date Collected: 07/25/23 14:19
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-91
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.9		0.500	0.0914	mg/Kg		08/04/23 09:07	08/07/23 13:12	20

Client Sample ID: B07A-4
Date Collected: 07/25/23 14:18
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-92
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.8		0.500	0.0914	mg/Kg		08/04/23 09:07	08/07/23 13:14	20

Client Sample ID: B07A-8
Date Collected: 07/25/23 14:22
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-94
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.42		0.493	0.0900	mg/Kg		08/04/23 09:07	08/07/23 13:16	20

Client Sample ID: B10NN-6
Date Collected: 07/25/23 09:07
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-99
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.0		0.498	0.0909	mg/Kg		08/04/23 09:07	08/07/23 13:18	20

Client Sample ID: B10NN-8
Date Collected: 07/25/23 09:08
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-100
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.6		0.500	0.0914	mg/Kg		08/04/23 09:07	08/07/23 13:20	20

Client Sample ID: B10N-8
Date Collected: 07/25/23 09:14
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-104
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.2		0.493	0.0900	mg/Kg		08/04/23 09:07	08/07/23 13:22	20

Client Sample ID: B10A-2
Date Collected: 07/25/23 09:19
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-105
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.66		0.500	0.0914	mg/Kg		08/04/23 09:07	08/07/23 13:24	20

Client Sample ID: B10A-4
Date Collected: 07/25/23 09:20
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-106
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.8		0.500	0.0914	mg/Kg		08/04/23 09:07	08/07/23 13:27	20

Client Sample ID: B10E-8
Date Collected: 07/25/23 09:39
Date Received: 07/26/23 13:50
Lab Sample ID: 570-146364-113
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.3		0.495	0.0905	mg/Kg		08/04/23 09:07	08/07/23 13:29	20

Method: SW846 6020 - Metals (ICP/MS)

Client Sample ID: B10EE-6
Date Collected: 07/25/23 09:47
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-116
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.10		0.500	0.0914	mg/Kg		08/04/23 09:07	08/07/23 13:35	20

Client Sample ID: B10EE-8
Date Collected: 07/25/23 09:48
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-117
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.6		0.500	0.0914	mg/Kg		08/04/23 09:07	08/07/23 13:37	20

Client Sample ID: B10W-8
Date Collected: 07/25/23 10:21
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-121
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.5		0.500	0.0914	mg/Kg		08/04/23 09:07	08/07/23 13:39	20

Client Sample ID: B10WW-6
Date Collected: 07/25/23 10:03
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-124
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.3		0.493	0.0900	mg/Kg		08/04/23 09:07	08/07/23 13:42	20

Client Sample ID: B10WW-8
Date Collected: 07/25/23 10:04
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-125
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.1		0.495	0.0905	mg/Kg		08/04/23 09:07	08/07/23 13:44	20

Client Sample ID: B10S-8
Date Collected: 07/25/23 10:31
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-129
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.9		0.500	0.0914	mg/Kg		08/04/23 09:07	08/07/23 13:46	20

Client Sample ID: B10SS-6
Date Collected: 07/25/23 10:38
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-132
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.1		0.498	0.0909	mg/Kg		08/04/23 09:07	08/07/23 13:48	20

Client Sample ID: B10SS-8
Date Collected: 07/25/23 10:40
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-133
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.7		0.493	0.0900	mg/Kg		08/04/23 10:29	08/07/23 11:22	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-351907/1-A ^20
Matrix: Solid
Analysis Batch: 352942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 351907

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.493	0.0900	mg/Kg		08/04/23 06:17	08/08/23 10:04	20

Lab Sample ID: LCS 570-351907/2-A ^20
Matrix: Solid
Analysis Batch: 352942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 351907

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	50.3	51.91		mg/Kg		103	80 - 120

Lab Sample ID: LCSD 570-351907/3-A ^20
Matrix: Solid
Analysis Batch: 352942

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 351907

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	49.8	50.76		mg/Kg		102	80 - 120	2	20

Lab Sample ID: 570-146364-5 MS
Matrix: Solid
Analysis Batch: 352942

Client Sample ID: B11E-8
Prep Type: Total/NA
Prep Batch: 351907

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	12.9		50.0	53.63		mg/Kg		81	75 - 125

Lab Sample ID: 570-146364-5 MSD
Matrix: Solid
Analysis Batch: 352942

Client Sample ID: B11E-8
Prep Type: Total/NA
Prep Batch: 351907

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	12.9		49.8	55.91		mg/Kg		86	75 - 125	4	20

Lab Sample ID: MB 570-351944/1-A ^20
Matrix: Solid
Analysis Batch: 352602

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 351944

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.498	0.0909	mg/Kg		08/04/23 08:16	08/07/23 11:31	20

Lab Sample ID: LCS 570-351944/2-A ^20
Matrix: Solid
Analysis Batch: 352602

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 351944

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	49.3	46.47		mg/Kg		94	80 - 120

Lab Sample ID: LCSD 570-351944/3-A ^20
Matrix: Solid
Analysis Batch: 352602

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 351944

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	50.0	46.58		mg/Kg		93	80 - 120	0	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: 570-146364-34 MS
Matrix: Solid
Analysis Batch: 352602

Client Sample ID: B11A-2
Prep Type: Total/NA
Prep Batch: 351944

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	10.8		49.3	57.37		mg/Kg		94	75 - 125

Lab Sample ID: 570-146364-34 MSD
Matrix: Solid
Analysis Batch: 352602

Client Sample ID: B11A-2
Prep Type: Total/NA
Prep Batch: 351944

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	10.8		49.3	59.35		mg/Kg		99	75 - 125	3	20

Lab Sample ID: MB 570-351980/1-A ^20
Matrix: Solid
Analysis Batch: 352626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 351980

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.493	0.0900	mg/Kg		08/04/23 09:07	08/07/23 12:43	20

Lab Sample ID: LCS 570-351980/2-A ^20
Matrix: Solid
Analysis Batch: 352626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 351980

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	50.3	47.67		mg/Kg		95	80 - 120

Lab Sample ID: LCSD 570-351980/3-A ^20
Matrix: Solid
Analysis Batch: 352626

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 351980

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	49.8	47.11		mg/Kg		95	80 - 120	1	20

Lab Sample ID: 570-146364-79 MS
Matrix: Solid
Analysis Batch: 352626

Client Sample ID: B07E-8
Prep Type: Total/NA
Prep Batch: 351980

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	10.3		49.8	54.89		mg/Kg		90	75 - 125

Lab Sample ID: 570-146364-79 MSD
Matrix: Solid
Analysis Batch: 352626

Client Sample ID: B07E-8
Prep Type: Total/NA
Prep Batch: 351980

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	10.3		49.8	55.92		mg/Kg		92	75 - 125	2	20

Lab Sample ID: MB 570-352029/1-A ^20
Matrix: Solid
Analysis Batch: 352562

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 352029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.500	0.0914	mg/Kg		08/04/23 10:29	08/07/23 11:05	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: LCS 570-352029/2-A ^20
Matrix: Solid
Analysis Batch: 352562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 352029

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			49.8	48.92		mg/Kg		98	80 - 120		

Lab Sample ID: LCSD 570-352029/3-A ^20
Matrix: Solid
Analysis Batch: 352562

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 352029

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			50.5	50.07		mg/Kg		99	80 - 120	2	20

Metals

Prep Batch: 351907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-5	B11E-8	Total/NA	Solid	3050B	
570-146364-8	B11EE-6	Total/NA	Solid	3050B	
570-146364-9	B11EE-8	Total/NA	Solid	3050B	
570-146364-12	B11SS-6	Total/NA	Solid	3050B	
570-146364-13	B11SS-8	Total/NA	Solid	3050B	
570-146364-17	B11S-8	Total/NA	Solid	3050B	
570-146364-20	B11WW-6	Total/NA	Solid	3050B	
570-146364-21	B11WW-8	Total/NA	Solid	3050B	
570-146364-25	B11W-8	Total/NA	Solid	3050B	
570-146364-29	B11N-8	Total/NA	Solid	3050B	
570-146364-32	B11NN-6	Total/NA	Solid	3050B	
570-146364-33	B11NN-8	Total/NA	Solid	3050B	
MB 570-351907/1-A ^20	Method Blank	Total/NA	Solid	3050B	
LCS 570-351907/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-351907/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-146364-5 MS	B11E-8	Total/NA	Solid	3050B	
570-146364-5 MSD	B11E-8	Total/NA	Solid	3050B	

Prep Batch: 351944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-34	B11A-2	Total/NA	Solid	3050B	
570-146364-35	B11A-4	Total/NA	Solid	3050B	
570-146364-40	B08WW-6	Total/NA	Solid	3050B	
570-146364-41	B08WW-8	Total/NA	Solid	3050B	
570-146364-46	B08W-8	Total/NA	Solid	3050B	
570-146364-47	B08A-2	Total/NA	Solid	3050B	
570-146364-48	B08A-4	Total/NA	Solid	3050B	
570-146364-50	B08A-8	Total/NA	Solid	3050B	
570-146364-53	B08SS-6	Total/NA	Solid	3050B	
570-146364-54	B08SS-8	Total/NA	Solid	3050B	
570-146364-58	B08S-8	Total/NA	Solid	3050B	
570-146364-61	B08E-6	Total/NA	Solid	3050B	
570-146364-62	B08E-8	Total/NA	Solid	3050B	
570-146364-65	B08EE-6	Total/NA	Solid	3050B	
570-146364-66	B08EE-8	Total/NA	Solid	3050B	
570-146364-69	B07WW-6	Total/NA	Solid	3050B	
570-146364-70	B07WW-8	Total/NA	Solid	3050B	
570-146364-71	B07NN-8	Total/NA	Solid	3050B	
570-146364-74	B07EE-6	Total/NA	Solid	3050B	
570-146364-75	B07EE-8	Total/NA	Solid	3050B	
MB 570-351944/1-A ^20	Method Blank	Total/NA	Solid	3050B	
LCS 570-351944/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-351944/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-146364-34 MS	B11A-2	Total/NA	Solid	3050B	
570-146364-34 MSD	B11A-2	Total/NA	Solid	3050B	

Prep Batch: 351980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-79	B07E-8	Total/NA	Solid	3050B	
570-146364-83	B07N-8	Total/NA	Solid	3050B	
570-146364-86	B07NN-6	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 351980 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-90	B07W-8	Total/NA	Solid	3050B	
570-146364-91	B07A-2	Total/NA	Solid	3050B	
570-146364-92	B07A-4	Total/NA	Solid	3050B	
570-146364-94	B07A-8	Total/NA	Solid	3050B	
570-146364-99	B10NN-6	Total/NA	Solid	3050B	
570-146364-100	B10NN-8	Total/NA	Solid	3050B	
570-146364-104	B10N-8	Total/NA	Solid	3050B	
570-146364-105	B10A-2	Total/NA	Solid	3050B	
570-146364-106	B10A-4	Total/NA	Solid	3050B	
570-146364-113	B10E-8	Total/NA	Solid	3050B	
570-146364-116	B10EE-6	Total/NA	Solid	3050B	
570-146364-117	B10EE-8	Total/NA	Solid	3050B	
570-146364-121	B10W-8	Total/NA	Solid	3050B	
570-146364-124	B10WW-6	Total/NA	Solid	3050B	
570-146364-125	B10WW-8	Total/NA	Solid	3050B	
570-146364-129	B10S-8	Total/NA	Solid	3050B	
570-146364-132	B10SS-6	Total/NA	Solid	3050B	
MB 570-351980/1-A ^20	Method Blank	Total/NA	Solid	3050B	
LCS 570-351980/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-351980/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-146364-79 MS	B07E-8	Total/NA	Solid	3050B	
570-146364-79 MSD	B07E-8	Total/NA	Solid	3050B	

Prep Batch: 352029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-133	B10SS-8	Total/NA	Solid	3050B	
MB 570-352029/1-A ^20	Method Blank	Total/NA	Solid	3050B	
LCS 570-352029/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-352029/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	3050B	

Analysis Batch: 352562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-133	B10SS-8	Total/NA	Solid	6020	352029
MB 570-352029/1-A ^20	Method Blank	Total/NA	Solid	6020	352029
LCS 570-352029/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	352029
LCSD 570-352029/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	6020	352029

Analysis Batch: 352602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-34	B11A-2	Total/NA	Solid	6020	351944
570-146364-35	B11A-4	Total/NA	Solid	6020	351944
570-146364-40	B08WW-6	Total/NA	Solid	6020	351944
570-146364-41	B08WW-8	Total/NA	Solid	6020	351944
570-146364-46	B08W-8	Total/NA	Solid	6020	351944
570-146364-47	B08A-2	Total/NA	Solid	6020	351944
570-146364-48	B08A-4	Total/NA	Solid	6020	351944
570-146364-50	B08A-8	Total/NA	Solid	6020	351944
570-146364-53	B08SS-6	Total/NA	Solid	6020	351944
570-146364-54	B08SS-8	Total/NA	Solid	6020	351944
570-146364-58	B08S-8	Total/NA	Solid	6020	351944
570-146364-61	B08E-6	Total/NA	Solid	6020	351944

Metals (Continued)

Analysis Batch: 352602 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-62	B08E-8	Total/NA	Solid	6020	351944
570-146364-65	B08EE-6	Total/NA	Solid	6020	351944
570-146364-66	B08EE-8	Total/NA	Solid	6020	351944
570-146364-69	B07WW-6	Total/NA	Solid	6020	351944
570-146364-70	B07WW-8	Total/NA	Solid	6020	351944
570-146364-71	B07NN-8	Total/NA	Solid	6020	351944
570-146364-74	B07EE-6	Total/NA	Solid	6020	351944
570-146364-75	B07EE-8	Total/NA	Solid	6020	351944
MB 570-351944/1-A ^20	Method Blank	Total/NA	Solid	6020	351944
LCS 570-351944/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	351944
LCSD 570-351944/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	6020	351944
570-146364-34 MS	B11A-2	Total/NA	Solid	6020	351944
570-146364-34 MSD	B11A-2	Total/NA	Solid	6020	351944

Analysis Batch: 352626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-79	B07E-8	Total/NA	Solid	6020	351980
570-146364-83	B07N-8	Total/NA	Solid	6020	351980
570-146364-86	B07NN-6	Total/NA	Solid	6020	351980
570-146364-90	B07W-8	Total/NA	Solid	6020	351980
570-146364-91	B07A-2	Total/NA	Solid	6020	351980
570-146364-92	B07A-4	Total/NA	Solid	6020	351980
570-146364-94	B07A-8	Total/NA	Solid	6020	351980
570-146364-99	B10NN-6	Total/NA	Solid	6020	351980
570-146364-100	B10NN-8	Total/NA	Solid	6020	351980
570-146364-104	B10N-8	Total/NA	Solid	6020	351980
570-146364-105	B10A-2	Total/NA	Solid	6020	351980
570-146364-106	B10A-4	Total/NA	Solid	6020	351980
570-146364-113	B10E-8	Total/NA	Solid	6020	351980
570-146364-116	B10EE-6	Total/NA	Solid	6020	351980
570-146364-117	B10EE-8	Total/NA	Solid	6020	351980
570-146364-121	B10W-8	Total/NA	Solid	6020	351980
570-146364-124	B10WW-6	Total/NA	Solid	6020	351980
570-146364-125	B10WW-8	Total/NA	Solid	6020	351980
570-146364-129	B10S-8	Total/NA	Solid	6020	351980
570-146364-132	B10SS-6	Total/NA	Solid	6020	351980
MB 570-351980/1-A ^20	Method Blank	Total/NA	Solid	6020	351980
LCS 570-351980/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	351980
LCSD 570-351980/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	6020	351980
570-146364-79 MS	B07E-8	Total/NA	Solid	6020	351980
570-146364-79 MSD	B07E-8	Total/NA	Solid	6020	351980

Analysis Batch: 352658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-13	B11SS-8	Total/NA	Solid	6020	351907
570-146364-17	B11S-8	Total/NA	Solid	6020	351907
570-146364-20	B11WW-6	Total/NA	Solid	6020	351907
570-146364-21	B11WW-8	Total/NA	Solid	6020	351907
570-146364-25	B11W-8	Total/NA	Solid	6020	351907
570-146364-29	B11N-8	Total/NA	Solid	6020	351907
570-146364-32	B11NN-6	Total/NA	Solid	6020	351907

QC Association Summary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Metals

Analysis Batch: 352942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-146364-5	B11E-8	Total/NA	Solid	6020	351907
570-146364-8	B11EE-6	Total/NA	Solid	6020	351907
570-146364-9	B11EE-8	Total/NA	Solid	6020	351907
570-146364-12	B11SS-6	Total/NA	Solid	6020	351907
570-146364-33	B11NN-8	Total/NA	Solid	6020	351907
MB 570-351907/1-A ^20	Method Blank	Total/NA	Solid	6020	351907
LCS 570-351907/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	351907
LCSD 570-351907/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	6020	351907
570-146364-5 MS	B11E-8	Total/NA	Solid	6020	351907
570-146364-5 MSD	B11E-8	Total/NA	Solid	6020	351907

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Client Sample ID: B11E-8
Date Collected: 07/25/23 08:51
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-5
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			2.03 g	50 mL	351907	08/04/23 06:17	TL	EET CAL 4
Total/NA	Analysis	6020		20			352942	08/08/23 10:11	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11EE-6
Date Collected: 07/25/23 08:59
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-8
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			2.02 g	50 mL	351907	08/04/23 06:17	TL	EET CAL 4
Total/NA	Analysis	6020		20			352942	08/08/23 10:22	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11EE-8
Date Collected: 07/25/23 09:00
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-9
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			2.00 g	50 mL	351907	08/04/23 06:17	TL	EET CAL 4
Total/NA	Analysis	6020		20			352942	08/08/23 10:24	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11SS-6
Date Collected: 07/25/23 09:10
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-12
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			2.03 g	50 mL	351907	08/04/23 06:17	TL	EET CAL 4
Total/NA	Analysis	6020		20			352942	08/08/23 10:46	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11SS-8
Date Collected: 07/25/23 09:11
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-13
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			2.03 g	50 mL	351907	08/04/23 06:17	TL	EET CAL 4
Total/NA	Analysis	6020		20			352658	08/07/23 14:43	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Client Sample ID: B11S-8
Date Collected: 07/25/23 09:21
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-17
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			1.99 g	50 mL	351907	08/04/23 06:17	TL	EET CAL 4
Total/NA	Analysis	6020		20			352658	08/07/23 14:45	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11WW-6
Date Collected: 07/25/23 09:30
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-20
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			2.04 g	50 mL	351907	08/04/23 06:17	TL	EET CAL 4
Total/NA	Analysis	6020		20			352658	08/07/23 14:47	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11WW-8
Date Collected: 07/25/23 09:31
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-21
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			2.01 g	50 mL	351907	08/04/23 06:17	TL	EET CAL 4
Total/NA	Analysis	6020		20			352658	08/07/23 14:49	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11W-8
Date Collected: 07/25/23 09:41
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-25
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			2.00 g	50 mL	351907	08/04/23 06:17	TL	EET CAL 4
Total/NA	Analysis	6020		20			352658	08/07/23 14:51	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11N-8
Date Collected: 07/25/23 09:50
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-29
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			2.04 g	50 mL	351907	08/04/23 06:17	TL	EET CAL 4
Total/NA	Analysis	6020		20			352658	08/07/23 14:54	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Client Sample ID: B11NN-6
Date Collected: 07/25/23 10:00
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-32
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			2.03 g	50 mL	351907	08/04/23 06:17	TL	EET CAL 4
Total/NA	Analysis	6020		20			352658	08/07/23 14:56	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11NN-8
Date Collected: 07/25/23 10:01
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-33
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			2.00 g	50 mL	351907	08/04/23 06:17	TL	EET CAL 4
Total/NA	Analysis	6020		20			352942	08/08/23 10:48	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11A-2
Date Collected: 07/25/23 10:04
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-34
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			2.01 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 11:37	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B11A-4
Date Collected: 07/25/23 10:05
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-35
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			2.03 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 11:48	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08WW-6
Date Collected: 07/25/23 11:17
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-40
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			2.00 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 11:50	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Client Sample ID: B08WW-8
Date Collected: 07/25/23 11:18
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-41
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			2.00 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 11:56	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08W-8
Date Collected: 07/25/23 11:31
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-46
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			1.99 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 11:59	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08A-2
Date Collected: 07/25/23 11:35
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-47
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			2.02 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 12:01	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08A-4
Date Collected: 07/25/23 11:37
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-48
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			2.00 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 12:03	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08A-8
Date Collected: 07/25/23 11:41
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-50
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			2.01 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 12:05	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Client Sample ID: B08SS-6
Date Collected: 07/25/23 11:53
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-53
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			1.99 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 12:07	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08SS-8
Date Collected: 07/25/23 11:55
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-54
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			1.98 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 12:09	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08S-8
Date Collected: 07/25/23 12:05
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-58
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			1.99 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 12:11	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08E-6
Date Collected: 07/25/23 12:14
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-61
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			2.01 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 12:13	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08E-8
Date Collected: 07/25/23 12:15
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-62
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			2.00 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 12:15	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Client Sample ID: B08EE-6
Date Collected: 07/25/23 12:25
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-65
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			1.99 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 12:22	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B08EE-8
Date Collected: 07/25/23 12:27
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-66
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			2.01 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 12:24	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07WW-6
Date Collected: 07/25/23 14:02
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-69
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			2.02 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 12:26	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07WW-8
Date Collected: 07/25/23 14:03
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-70
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			1.99 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 12:28	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07NN-8
Date Collected: 07/25/23 15:09
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-71
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			2.00 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 12:30	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Client Sample ID: B07EE-6
Date Collected: 07/25/23 15:27
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-74
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			2.01 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 12:33	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07EE-8
Date Collected: 07/25/23 15:28
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-75
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			1.99 g	50 mL	351944	08/04/23 08:16	TL	EET CAL 4
Total/NA	Analysis	6020		20			352602	08/07/23 12:35	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07E-8
Date Collected: 07/25/23 14:43
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-79
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			1.99 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 12:50	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07N-8
Date Collected: 07/25/23 14:55
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-83
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			1.99 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:00	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07NN-6
Date Collected: 07/25/23 15:08
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-86
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			2.04 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:02	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Client Sample ID: B07W-8
Date Collected: 07/25/23 14:14
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-90
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			2.00 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:10	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07A-2
Date Collected: 07/25/23 14:19
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-91
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			2.00 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:12	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07A-4
Date Collected: 07/25/23 14:18
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-92
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			2.00 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:14	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B07A-8
Date Collected: 07/25/23 14:22
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-94
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			2.03 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:16	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10NN-6
Date Collected: 07/25/23 09:07
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-99
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			2.01 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:18	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Client Sample ID: B10NN-8
Date Collected: 07/25/23 09:08
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-100
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			2.00 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:20	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10N-8
Date Collected: 07/25/23 09:14
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-104
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			2.03 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:22	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10A-2
Date Collected: 07/25/23 09:19
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-105
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			2.00 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:24	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10A-4
Date Collected: 07/25/23 09:20
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-106
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			2.00 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:27	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10E-8
Date Collected: 07/25/23 09:39
Date Received: 07/26/23 13:50

Lab Sample ID: 570-146364-113
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			2.02 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:29	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Client Sample ID: B10EE-6

Lab Sample ID: 570-146364-116

Date Collected: 07/25/23 09:47

Matrix: Solid

Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:35	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10EE-8

Lab Sample ID: 570-146364-117

Date Collected: 07/25/23 09:48

Matrix: Solid

Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:37	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10W-8

Lab Sample ID: 570-146364-121

Date Collected: 07/25/23 10:21

Matrix: Solid

Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:39	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10WW-6

Lab Sample ID: 570-146364-124

Date Collected: 07/25/23 10:03

Matrix: Solid

Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:42	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10WW-8

Lab Sample ID: 570-146364-125

Date Collected: 07/25/23 10:04

Matrix: Solid

Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:44	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Client Sample ID: B10S-8

Lab Sample ID: 570-146364-129

Date Collected: 07/25/23 10:31

Matrix: Solid

Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:46	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10SS-6

Lab Sample ID: 570-146364-132

Date Collected: 07/25/23 10:38

Matrix: Solid

Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	351980	08/04/23 09:07	TL	EET CAL 4
Total/NA	Analysis	6020		20			352626	08/07/23 13:48	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Client Sample ID: B10SS-8

Lab Sample ID: 570-146364-133

Date Collected: 07/25/23 10:40

Matrix: Solid

Date Received: 07/26/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	352029	08/04/23 10:29	TL	EET CAL 4
Total/NA	Analysis	6020		20			352562	08/07/23 11:22	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Laboratory References:

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

Accreditation/Certification Summary

Client: NV5, Inc
Job ID: 570-146364-3
Project/Site: McKinley Elementary School

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-24
Oregon	NELAP	4175	02-02-24

Method Summary

Client: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	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: NV5, Inc
Project/Site: McKinley Elementary School

Job ID: 570-146364-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-146364-5	B11E-8	Solid	07/25/23 08:51	07/26/23 13:50
570-146364-8	B11EE-6	Solid	07/25/23 08:59	07/26/23 13:50
570-146364-9	B11EE-8	Solid	07/25/23 09:00	07/26/23 13:50
570-146364-12	B11SS-6	Solid	07/25/23 09:10	07/26/23 13:50
570-146364-13	B11SS-8	Solid	07/25/23 09:11	07/26/23 13:50
570-146364-17	B11S-8	Solid	07/25/23 09:21	07/26/23 13:50
570-146364-20	B11WW-6	Solid	07/25/23 09:30	07/26/23 13:50
570-146364-21	B11WW-8	Solid	07/25/23 09:31	07/26/23 13:50
570-146364-25	B11W-8	Solid	07/25/23 09:41	07/26/23 13:50
570-146364-29	B11N-8	Solid	07/25/23 09:50	07/26/23 13:50
570-146364-32	B11NN-6	Solid	07/25/23 10:00	07/26/23 13:50
570-146364-33	B11NN-8	Solid	07/25/23 10:01	07/26/23 13:50
570-146364-34	B11A-2	Solid	07/25/23 10:04	07/26/23 13:50
570-146364-35	B11A-4	Solid	07/25/23 10:05	07/26/23 13:50
570-146364-40	B08WW-6	Solid	07/25/23 11:17	07/26/23 13:50
570-146364-41	B08WW-8	Solid	07/25/23 11:18	07/26/23 13:50
570-146364-46	B08W-8	Solid	07/25/23 11:31	07/26/23 13:50
570-146364-47	B08A-2	Solid	07/25/23 11:35	07/26/23 13:50
570-146364-48	B08A-4	Solid	07/25/23 11:37	07/26/23 13:50
570-146364-50	B08A-8	Solid	07/25/23 11:41	07/26/23 13:50
570-146364-53	B08SS-6	Solid	07/25/23 11:53	07/26/23 13:50
570-146364-54	B08SS-8	Solid	07/25/23 11:55	07/26/23 13:50
570-146364-58	B08S-8	Solid	07/25/23 12:05	07/26/23 13:50
570-146364-61	B08E-6	Solid	07/25/23 12:14	07/26/23 13:50
570-146364-62	B08E-8	Solid	07/25/23 12:15	07/26/23 13:50
570-146364-65	B08EE-6	Solid	07/25/23 12:25	07/26/23 13:50
570-146364-66	B08EE-8	Solid	07/25/23 12:27	07/26/23 13:50
570-146364-69	B07WW-6	Solid	07/25/23 14:02	07/26/23 13:50
570-146364-70	B07WW-8	Solid	07/25/23 14:03	07/26/23 13:50
570-146364-71	B07NN-8	Solid	07/25/23 15:09	07/26/23 13:50
570-146364-74	B07EE-6	Solid	07/25/23 15:27	07/26/23 13:50
570-146364-75	B07EE-8	Solid	07/25/23 15:28	07/26/23 13:50
570-146364-79	B07E-8	Solid	07/25/23 14:43	07/26/23 13:50
570-146364-83	B07N-8	Solid	07/25/23 14:55	07/26/23 13:50
570-146364-86	B07NN-6	Solid	07/25/23 15:08	07/26/23 13:50
570-146364-90	B07W-8	Solid	07/25/23 14:14	07/26/23 13:50
570-146364-91	B07A-2	Solid	07/25/23 14:19	07/26/23 13:50
570-146364-92	B07A-4	Solid	07/25/23 14:18	07/26/23 13:50
570-146364-94	B07A-8	Solid	07/25/23 14:22	07/26/23 13:50
570-146364-99	B10NN-6	Solid	07/25/23 09:07	07/26/23 13:50
570-146364-100	B10NN-8	Solid	07/25/23 09:08	07/26/23 13:50
570-146364-104	B10N-8	Solid	07/25/23 09:14	07/26/23 13:50
570-146364-105	B10A-2	Solid	07/25/23 09:19	07/26/23 13:50
570-146364-106	B10A-4	Solid	07/25/23 09:20	07/26/23 13:50
570-146364-113	B10E-8	Solid	07/25/23 09:39	07/26/23 13:50
570-146364-116	B10EE-6	Solid	07/25/23 09:47	07/26/23 13:50
570-146364-117	B10EE-8	Solid	07/25/23 09:48	07/26/23 13:50
570-146364-121	B10W-8	Solid	07/25/23 10:21	07/26/23 13:50
570-146364-124	B10WW-6	Solid	07/25/23 10:03	07/26/23 13:50
570-146364-125	B10WW-8	Solid	07/25/23 10:04	07/26/23 13:50
570-146364-129	B10S-8	Solid	07/25/23 10:31	07/26/23 13:50
570-146364-132	B10SS-6	Solid	07/25/23 10:38	07/26/23 13:50
570-146364-133	B10SS-8	Solid	07/25/23 10:40	07/26/23 13:50

Vikas Patel

From: Eric Fraske <eric.fraske@nv5.com>
Sent: Thursday, August 3, 2023 4:18 PM
To: Vikas Patel
Subject: RE: Eurofins Calscience report, EDD and invoice files from 570-146364-2 McKinley Elementary School

Hi Vikas,

Per our discussion just now, for job 570-146364, please run all remaining archived soil samples associated with this project number for Arsenic by USEPA Method 6020 on 3-day TAT.

Thank you,

Eric Fraske | Senior Engineer III | **NV5** | Site Assessment and Remediation
3777 Long Beach Boulevard, Annex Building | Long Beach, CA 90807 | P: 562.495.5777 | C: 562.544.3910
eric.fraske@nv5.com | www.altaenviron.com | www.nv5.com | Electronic Communications Disclaimer

I am working remotely and can be reached via cell at 562.544.3910.

Alta Environmental is now NV5.

From: Vikas Patel <Vikas.Patel@et.eurofinsus.com>
Sent: Thursday, August 3, 2023 3:36 PM
To: Alta-Accounting <alta-accounting@nv5.com>; Eric Fraske <eric.fraske@nv5.com>
Subject: Eurofins Calscience report, EDD and invoice files from 570-146364-2 McKinley Elementary School

Hello,

Attached please find the report, EDD and invoice files for job 570-146364-2; McKinley Elementary School

Please feel free to contact me if you have any questions.

Thank you.

Vikas Patel
Project Manager

Eurofins Calscience
Phone: 714-895-5494

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Loc: 570
146364

FRM51406 Rev. 1.2

570-146364 Chain of Custody

CHAIN-OF-CUSTODY RECORD

DATE: 7/25/2023

PAGE: 1 OF 14

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:

☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
1	B11E-2	7/25/23	8:47	SOIL	1	X			X	
2	B11E-4	"	8:49	SOIL	1	X			X	
3	B11E-4 DUP		8:49	SOIL	1	X			X	
4	B11E-6		8:50	SOIL	1	X				X
5	B11E-8		8:51	SOIL	1	X				X
6	B11EE-2		8:56	SOIL	1	X				X
7	B11EE-4		8:57	SOIL	1	X				X
8	B11EE-6		8:59	SOIL	1	X				X
9	B11EE-8		9:00	SOIL	1	X				X
10	B11SS-2	↓	9:05	SOIL	1	X				X

	Date	Time		Date	Time
Relinquished by: (Signature)	07/26	13:50	Received by: (Signature/Affiliation) EC	7/26/23	13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:

4.2/4.5 3.9/4.2 3.6/3.9 SOIS

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FRM51408 Rev. 1.2

146364

CHAIN-OF-CUSTODY RECORD

DATE: 7/25/2023

LABORATORY CLIENT: NV5, Inc.
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-544-3977 E-MAIL:
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD:
☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
P.O. NO.: SMSD-23-11670
PROJECT CONTACT: Eric Fraske
LAB CONTACT OR QUOTE NO.: 57016144
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT)

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
11	~~BSS~~ B11SS-4	7/25/23	9:06	Soil	1	X				X
12	B11SS-6	7/25/23	9:10	SOIL	1	X				X
13	B11SS-8	7/25/23	9:11	SOIL	1	X				X
14	B11S~~S~~-2	7/25/23	9:15	SOIL	1	X			X	
15	B11S-4	7/25/23	9:16	SOIL	1	X			X	
16	B11S-6	7/25/23	9:20	SOIL	1	X				X
17	B11S-8	7/25/23	9:21	SOIL	1	X				X
18	B11WW-2	7/25/23	9:25	SOIL	1	X				X
19	B11WW-4	7/25/23	9:27	SOIL	1	X				X
20	B11WW-6	7/25/23	9:30	SOIL	1	X				X

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
	07/26	13:50	EC	7/26/23	13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

DATE: 7/25/2023

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
21	B11WW-8	7/25/23	9:31	SOIL	1	X				X
22	B11W-2		9:35			X			X	
23	B11W-4		9:36			X			X	
24	B11W-6		9:40			X				X
25	B11W-8		9:41			X				X
26	B11N-2		9:46			X			X	X
27	B11N-4		9:47			X			X	X
28	B11N-6		9:49			X				X
29	B11N-8		9:50			X				X
30	B11NN-2		9:54			X				X

Relinquished by: (Signature)	Date: 07126	Time: 13:50	Received by: (Signature/Affiliation) EC Date: 7/26/23 Time: 13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation) Date: Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation) Date: Time:

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FRM51408 Rev. 1.2

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CHAIN-OF-CUSTODY RECORD

DATE: 7/25/23

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
31	B11NN-4	7/25	9:55	SOIL	1	X				X
32	B11NN-6	7/25/23	10:00			X				X
33	B11NN-8	7/25/23	10:01			X				X
34	B11A-2	7/25/23	10:04			X				X
35	B11A-4	7/25/23	10:05			X				X
36	B11A-6	7/25/23	10:08			✓			X	
37	B11A-8	7/25/23	10:10			X				X
38	B08WW-2	7/25/23	11:15			X				X
39	B08WW-4	7/25/23	11:16			X				X
40	B08WW-6	7/25/23	11:17			✓				X

	Date	Time		Date	Time
Relinquished by: (Signature)	07125	13:50	Received by: (Signature/Affiliation) EC	7/26/23	13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

DATE: 7/25/2023

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
41	B08WW-8	7/25	11:18	SOIL	1	X				X
42	B08W-2	"	11:19	"	"	X			X	
43	B08W-2DUP	"	11:19	"	"	X			X	
44	B08W-4	"	11:20	"	"	X			X	
45	B08W-6	"	11:50	"	"	X				X
46	B08W-8	"	11:31	"	"	X				X
47	B08A-2	"	11:35	"	"	X				X
48	B08A-4	"	11:37	"	"	X				X
49	B08A-6	"	11:40	"	"	X			X	
50	B08A-8	"	11:41	"	"	X				X

	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature)	07/26	13:50	EC	7/26/23	13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:

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FRM51406 Rev. 1.2

CHAIN-OF-CUSTODY RECORD

DATE: 7/25/2023

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
51	BØ8SS-2	7/25	11:47	SOIL	1	X				X
52	BØ8SS-4	↓	11:49	↓	↓	X				X
53	BØ8SS-6		11:53			X				X
54	BØ8SS-8		11:55			X				X
55	BØ8S-2		11:57			X			X	
56	BØ8S-4		11:58			X			X	
57	BØ8S-6		12:03			X				X
58	BØ8S-8		12:05			X				X
59	BØ8E-2		12:10			X			X	
60	BØ8E-4	↓	12:12	↓	↓	X			X	

Relinquished by: (Signature)	Date: 07/25	Time: 13:50	Received by: (Signature/Affiliation)	Date: 7/26/23 Time: 13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date: Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date: Time:

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146364

CHAIN-OF-CUSTODY RECORD

DATE: 7/25/23

LABORATORY CLIENT: NV5, Inc.

ADDRESS: 3777 Long Beach Blvd, Annex Building

CITY: Long Beach STATE: CA ZIP: 90807

TEL: 562-544-3977 E-MAIL:

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:

☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling

P.O. NO.: SMSD-23-11670

PROJECT CONTACT: Eric Fraske

LAB CONTACT OR QUOTE NO.: 57016144

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT)

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
61	B08E-6	7/25	12:14	Soil	1	X				X
62	B08E-8	"	12:15	"	"	X				X
63	B08EE-2	"	12:20	"	"	X				X
64	B08EE-4	"	12:22	"	"	X				X
65	B08EE-6	"	12:25	"	"	X				X
66	B08EE-8	"	12:27	"	"	X				X
67	B07EE-2	"	13:57	"	"	X				X
68	B07EE-4	"	13:58	"	"	X				X
69	B07EE-6	"	14:02	"	"	X				X
70	B07EE-8	"	14:03	"	"	X				X

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	07/25	13:50	[signature] EC	7/26/23	13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:

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DATE: 07/25

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
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EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
71	B07NN-8	07/25	15:09	soil	1	X				X
72	B07EE-2		15:23			X				X
73	B07EE-4		15:25			X				X
74	B07EE-6		15:27			X				X
75	B07EE-8		15:28			X				X
	~~EB~~		—			~~X~~			~~(X)~~	~~X~~
76	EB072523	07/25		W	1	X			X	

Relinquished by: (Signature)	Date: 07/25	Time: 13:50	Received by: (Signature/Affiliation) EC
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)

Date: 7/26/23 Time: 13:50

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ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

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EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

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LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
77	BOTE-4	07/25	14:40	Soil	1	X			X	
78	BOTE-6		14:42			X				X
79	BOTE-8		14:43			X				X
80	BOTN-2		14:52			X			X	
81	BOTN-4		14:53			X			X	
82	BOTN-6		14:54			X				X
83	BOTN-8		14:55			X				X
84	BOTNN-2		15:05			X			[illegible]	⊗
85	BOTNN-4		15:06			X				X
86	BOTNN-6	↓	15:08	↓	↓	X				X

Relinquished by: (Signature)	Date: 07/26	Time: 13:50	Received by: (Signature/Affiliation) EC	Date: 7/26/23 Time: 13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date: Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date: Time:

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CHAIN-OF-CUSTODY RECORD

DATE: 07/25

LABORATORY CLIENT: NV5, Inc.		CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling	P.O. NO.: SMSD-23-11670
ADDRESS: 3777 Long Beach Blvd, Annex Building		PROJECT CONTACT: Eric Fraske	LAB CONTACT OR QUOTE NO.: 57016144
CITY: Long Beach	STATE: CA ZIP: 90807	GLOBAL ID:	LOG CODE:
TEL: 562-544-3977	E-MAIL:		SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

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LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
87	BOTW-2	07/25	14:12	Soil	1	X			X	
88	BOTW-4		14:12			X			X	
89	BOTW-6		14:13			X				X
90	BOTW-8		14:14			X				X
91	BOTA-2		14:19			X				X
92	BOTA-4		14:18			X				X
93	BOTA-6		14:21			X			X	
94	BOTA-8		14:22			X				X
95	BOT-6 Dup		14:21			X			X	
96	BOTE-2		14:39			X			X	

	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature)	07/26	13:50	EC	7/26/23	13:50
Relinquished by: (Signature)					
Relinquished by: (Signature)					

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ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
GLOBAL ID:	LOG CODE: SAMPLER(S): (PRINT)

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EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

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LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
97	BlONN-2	7/26	09:05	Soil	1	X				X
98	BlONN-4		09:06			X				X
99	BlONN-6		09:07			X				X
100	BlONN-8		09:08			X				X
101	BlON-2		09:10			X			X	
102	BlON-4		09:11			X			X	
103	BlON-6		09:13			X				X
104	BlON-8		09:14			X				X
105	BlOA-2		09:19			X				X
106	BlOA-4		09:20			X				X

	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature)	07/26	13:50	FEDEX	7/26/23	13:50
Relinquished by: (Signature)					
Relinquished by: (Signature)					

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CHAIN-OF-CUSTODY RECORD

DATE: 07/26

LABORATORY CLIENT: NV5, Inc.		CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling	P.O. NO.: SMSD-23-11670
ADDRESS: 3777 Long Beach Blvd, Annex Building		PROJECT CONTACT: Eric Fraske	LAB CONTACT OR QUOTE NO.: 57016144
CITY: Long Beach	STATE: CA ZIP: 90807	GLOBAL ID:	LOG CODE:
TEL: 562-544-3977	E-MAIL:		SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
107	B10A-6	07/26	09:24	Soil	1	X			X	
108	B10A-8		09:25			X				X
109	B10E-2		09:35			X			X	
110	B10E-2 Dup		09:36			X			X	
111	B10E-4		09:37			X			X	
112	B10E-6		09:38			X				X
113	B10E-8		09:39			X				X
114	B10EE-2		09:44			X				X
115	B10EE-4		09:45			X				X
116	B10EE-6		09:47			X				X

	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature)	07/26	13:50	EC	7/26/23	13:50
Relinquished by: (Signature)					
Relinquished by: (Signature)					

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CHAIN-OF-CUSTODY RECORD

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LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
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EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
117	B10EE-8	07/26	09:48	Soil	1	X				X
118	B10W-2		10:15			X			X	
119	B10W-4		10:16			X			X	
120	B10W-6		10:20			X				X
121	B10W-8		10:21			X				X
122	B10WW-2		10:00			X				X
123	B10WW-4		10:01			X				X
124	B10WW-6		10:03			X				X
125	B10WW-8		10:04			X				X
126	B10S-2		10:25			X			X	

Relinquished by: (Signature)	Date: 07/26	Time: 13:50	Received by: (Signature/Affiliation) BC	Date: 7/26/23 Time: 13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date: Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date: Time:

146364

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CHAIN-OF-CUSTODY RECORD

DATE: 07/26

PAGE: 14 OF 14

LABORATORY CLIENT: NV5, Inc.	CLIENT PROJECT NAME / NO.: McKinley Step-Out Sampling
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: SMSD-23-11670
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Eric Fraske
TEL: 562-544-3977 E-MAIL:	LAB CONTACT OR QUOTE NO.: 57016144
	GLOBAL ID: LOG CODE: SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ■ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:

☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Arsenic EPA Method 6020	Archive and Hold
127	BLOS-4	07/26	10:26	Soil	1	X			X	
128	BLOS-6		10:30							X
129	BLOS-8		10:31							X
130	BLOSS-2		10:33						X	X
131	BLOSS-4		10:34						X	X
132	BLOSS-6		10:38							X
133	BLOSS-8		10:40							X
134	EB072623		10:45	W	1	X			X	

Relinquished by: (Signature)	Date: 07/26	Time: 13:50	Received by: (Signature/Affiliation) RC Date: 7/26/23 Time: 13:50
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation) Date: Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation) Date: Time:

Login Sample Receipt Checklist

Client: NV5, Inc

Job Number: 570-146364-3

Login Number: 146364
List Number: 1
Creator: Hernandez, Richie

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

APPENDIX C

Waste Manifest

NO. 771069

NON-HAZARDOUS WASTE DATA FORM

BESI # 357578

GENERATOR

Generator's Name and Mailing Address

SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
FACILITIES IMPROVEMENTS PROJECTS
2525 FOURTH STREET
SANTA MONICA, CA 90405

Generator's Site Address (if different than mailing address)

MCKINLEY ELEMENTARY SCHOOL
2401 SANTA MONICA BLVD.
SANTA MONICA, CA 90404

Generator's Phone: 310-399-5885

Container type removed from site:

XX ❑ Drums ❑ Vacuum Truck ❑ Roll-off Truck ❑ Dump Truck

❑ Other _____

Quantity 1 DM

Container type transported to receiving facility:

❑ Drums ❑ Vacuum Truck ❑ Roll-off Truck ❑ Dump Truck

❑ Other _____

Quantity _____ Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOLID

GENERATING PROCESS ENVIRONMENTAL SAMPLING

COMPONENTS OF WASTE	PPM	%
1. Soil		90%
2. PPE		0-10%

COMPONENTS OF WASTE	PPM	%
3.		
4.		

Waste Profile 070128043-17880 PROPERTIES: pH ____ ❑ SOLID ❑ LIQUID ❑ SLUDGE ❑ SLURRY ❑ OTHER ____

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PERSONAL PROTECTIVE CLOTHING.

Generator Printed/Typed Name: CAL FARLEY NVS FOR SMMUSD | Signature | Month 08 | Day 14 | Year 23

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone# 949-460-5200

Transporter 1 Printed/Typed Name: Chris Macias | Signature | Month 8 | Day 14 | Year 23

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name | Phone#

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

U.S. ECOLOGY, NEVADA OPERATIONS
HIGHWAY 95, 11 MILES S. OF BEATTY
BEATTY, NV 89003

Phone# 775-553-2201

Printed/Typed Name | Signature | Month | Day | Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

APPENDIX D

Statistical Analysis of Soil Arsenic Data

ENVIRO-TOX services, inc.

Technical Memorandum

Date: August 28, 2023

To: Mr. Eric Fraske
Senior Engineer III
NV5
3777 Long Beach Boulevard, Annex Building
Long Beach, California 90807

From: Heriberto Robles, Ph.D., D.A.B.T.

Subject: ***Statistical Analysis of Soil Arsenic Data***
McKinley Elementary School
Santa Monica, California

At the request of NV5, Enviro-Tox Services, Inc. (Enviro-Tox) conducted a statistical analysis of soil arsenic data collected at the McKinley Elementary School located at 2401 Santa Monica Boulevard in Santa Monica, California (the Site). The objective of the statistical analyses was to determine the upper limit concentration for naturally occurring arsenic in soil at the Site. In accordance with California Department of Toxic Substances Control (DTSC; 2009) guidance, all available soil arsenic data for the Site (Table 1) were included in the statistical analyses.

The purpose of the statistical analysis was to determine the upper limit background concentration of local arsenic in soil. The statistical methods used in the data evaluation were taken directly from the guidance for setting arsenic soil cleanup goals (DTSC, 2009). The first objective of the statistical analysis is to determine if the soil arsenic data are likely to be drawn from the same population (i.e., all samples collected from a non-contaminated site). For this type of analysis, the DTSC recommends to "construct a table showing the frequency of detection, range of detected values, range of sample quantitation limits, arithmetic means, standard deviations, and coefficients of variation. Typically, data drawn from just one population will display a range of detected values of no more than 2 orders of magnitude and a coefficient of variation of no greater than 1. When either of these conditions is not met, one must suspect that values representative of contamination have been included in the population" (DTSC, 1997, Section 4.3, page 4). The table recommended by the DTSC has been constructed for this analysis and is presented below.

Statistical Parameter	**Arsenic**
Number of Samples	159
Number of Non-Detected	1
Detection Frequency	99.37
Minimum detected value	2.50 milligrams per kilogram (mg/Kg)
Maximum detected value	20.90 mg/Kg
Mean concentration	12.56 mg/Kg
First quartile (Q1)	9.96 mg/Kg

Median	11.90 mg/Kg
Third quartile (Q3)	15.90 mg/Kg
Standard deviation	3.67
Coefficient of variation	0.29
Order of magnitude difference between minimum and maximum value	1.45

The next step in the analysis was to determine whether there are any data that are outside the norm (possible outliers). The potential presence of outliers in the data was evaluated using a "Fourth Spread" analysis as recommended by DTSC (2009). The Fourth Spread (Fs) of the soil arsenic data was obtained using the following formula:

$$Fs = (Q3 - Q1)$$

Where:

Fs = Fourth spread (mg/Kg)

Q3 = Third quartile (mg/Kg)

Q1 = First quartile (mg/Kg)

The estimated Fs for the soil arsenic data is 5.94 mg/Kg.

Outliers for the upper bound of the site-specific soil arsenic concentration are defined as:

All data points greater than Q3 + [1.5 x Fs]

or

15.90 mg/Kg + [1.5 x 5.94 mg/Kg] = 24.81 mg/Kg

According to these calculations, any soil arsenic concentrations higher than 24.81 mg/Kg are considered to be outliers. Since the maximum detected concentration is 20.90 mg/Kg, it can be concluded there are no outliers in the soil arsenic data. Based on the fact that no outliers are identified, it can be concluded that all soil arsenic data for the Site are within ambient, background concentrations.

The upper limit, background soil arsenic concentration can be calculated by estimating the 95 percent upper confidence limit of the 99th quartile of the data set (DTSC, 2009). The upper limit of the data set can be estimated according to the following equation (DTSC, 2009):

$$UL_{1-\alpha}(x_p) = x + sK_{1-\alpha,p}$$

Where:

$UL_{1-\alpha}(x_p)$ = The upper limit of the data set

x = Mean of the data set

s	=	Standard deviation of the mean
$K_{1-\alpha, p}$	=	Statistical tolerance factor for estimating an upper 100(1-α) confidence limit on the pth quartile (2.617, from Table A3, Gilbert, 1987).

Using the above equation and parameters, the 95 percent upper confidence limit of the 99th quartile of the data set was estimated to be 22.15 mg/Kg.

As part of the statistical analysis of soil arsenic data, the DTSC (2009) recommends creating normality plots using the available soil arsenic data. Specifically, the DTSC states that data should be plotted from the least value to the highest value as the cumulative percent of samples.

Visual inspection of the probability plots should yield a determination of an inflection point, which represents a break between the ambient level of arsenic for the Site and the portion of the curve that represents a separate, higher population, which may be a consequence of a release to the environment.

The probability plot of the raw soil arsenic data for the McKinley site is presented in Figure 1. As can be seen in Figure 1, there are no distinct inflections or break points that occur in the data. In fact, the plot shows a relatively straight line from arsenic concentration of 6.0 mg/Kg up to about 20 mg/Kg (Figure 1). This straight line indicates the presence of only one population. Since there is only one soil arsenic population identified at the Site, it must be concluded that that one population is the naturally occurring arsenic.

References

DTSC. 2009. Arsenic Strategies, Determination of Arsenic Remediation, Determination of Arsenic Cleanup Goals for Proposed and Existing School Sites. March 21.

Gilbert, R. O. 1987. Statistical Methods for Environmental Pollution Monitoring. Van Nostrand Reinhold, New York, New York.

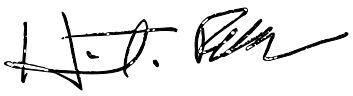
Attachments

Figure 1 – Arsenic Probability Plot

Table 1 – Soil Arsenic Data Summary

This memorandum was prepared by:

Enviro-Tox Services, Inc.



Heriberto Robles, Ph.D., D.A.B.T.
Principal Toxicologist

FIGURE

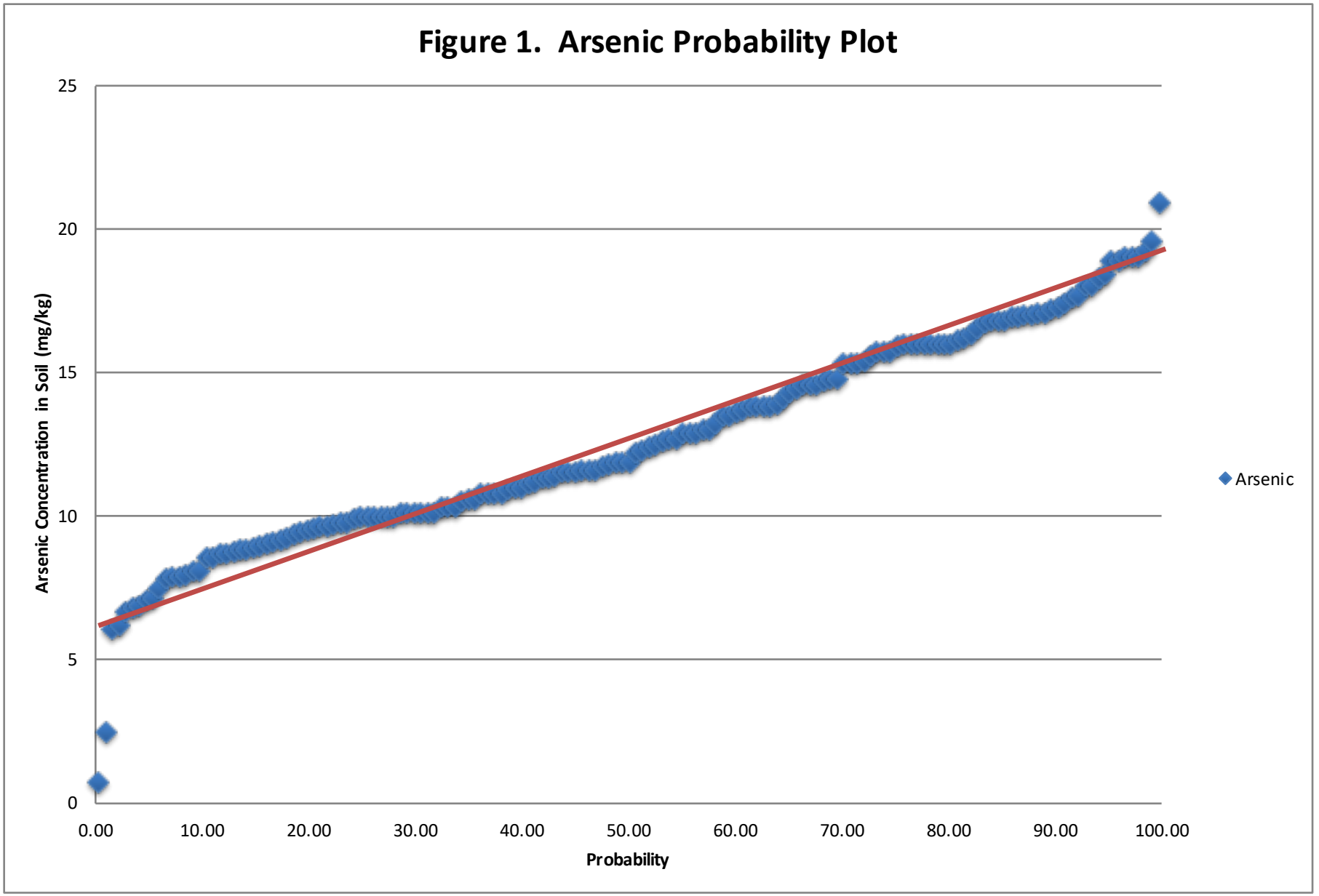


Figure 1. Arsenic Probability Plot
Arsenic Concentration in Soil (mg/kg)
25
20
15
10
5
0
0.00
10.00
20.00
30.00
40.00
50.00
60.00
70.00
80.00
90.00
100.00
Probability
Arsenic

TABLE

Table 1
Soil Arsenic Data Summary
McKinley Elementary School
2401 Santa Monica Boulevard, Santa Monica, California

Sample ID	Sample Date	Sample Depth (ftbgs)	Arsenic (mg/kg)
B2-0.5	2/20/2023	0.50	9.9
B2-2	2/20/2023	2	9.2
B3-0.5	2/20/2023	0.50	6.2
B3-2	2/20/2023	2	7.8
B4-0.5	2/20/2023	0.50	6.9
B4-2	2/20/2023	2	9
B5-0.5	2/20/2023	0.50	9.8
B5-2	2/20/2023	2	9.1
B6-0.5	2/20/2023	0.50	8.7
B6-2	2/20/2023	2	10
B7-0.5	2/20/2023	0.50	9.6
B7-0.5 DUP	2/20/2023	0.50	9.5
B7-2	2/20/2023	2	19
B7-4	2/20/2023	4	16
B07A-2	7/25/2023	2	16.9
B07A-4	7/25/2023	4	13.8
B07A-6	7/25/2023	6	9.69
B07A-6 DUP	7/25/2023	6	18.4
B07A-8	7/25/2023	8	9.42
B07E-2	7/25/2023	2	10.6
B07E-4	7/25/2023	4	16.2
B07E-6	7/25/2023	6	11.7
B07E-8	7/25/2023	8	10.3
B07EE-2	7/25/2023	2	9.96
B07EE-4	7/25/2023	4	17.4
B07EE-6	7/25/2023	6	7.9
B07EE-8	7/25/2023	8	9.96
B07N-2	7/25/2023	2	19.2
B07N-4	7/25/2023	4	13.2
B07N-6	7/25/2023	6	11.5
B07N-8	7/25/2023	8	7.85
B07NN-2	7/25/2023	2	17.1
B07NN-4	7/25/2023	4	15.6
B07NN-6	7/25/2023	6	10.1
B07NN-8	7/25/2023	8	7.5
B07W-2	7/25/2023	2	16.8
B07W-4	7/25/2023	4	15.7
B07W-6	7/25/2023	6	11

Table 1
Soil Arsenic Data Summary
McKinley Elementary School
2401 Santa Monica Boulevard, Santa Monica, California

Sample ID	Sample Date	Sample Depth (ftbgs)	Arsenic (mg/kg)
B07W-8	7/25/2023	8	8.84
B07WW-2	7/25/2023	2	20.9
B07WW-4	7/25/2023	4	13.8
B07WW-6	7/25/2023	6	7.07
B07WW-8	7/25/2023	8	6.68
B8-0.5	2/20/2023	0.50	8.7
B8-2	2/20/2023	2	18
B8-4	2/20/2023	4	17
B08A-2	7/25/2023	2	16
B08A-4	7/25/2023	4	7.95
B08A-6	7/25/2023	6	11.3
B08A-8	7/25/2023	8	10.8
B08E-2	7/25/2023	2	10.3
B08E-4	7/25/2023	4	17.3
B08E-6	7/25/2023	6	10.6
B08E-8	7/25/2023	8	10.1
B08EE-2	7/25/2023	2	14.4
B08EE-4	7/25/2023	4	16.9
B08EE-6	7/25/2023	6	10.1
B08EE-8	7/25/2023	8	9.14
B08S-2	7/25/2023	2	13.6
B08S-4	7/25/2023	4	15.7
B08S-6	7/25/2023	6	14.6
B08S-8	7/25/2023	8	11.8
B08SS-2	7/25/2023	2	13.8
B08SS-4	7/25/2023	4	17.2
B08SS-6	7/25/2023	6	11.5
B08SS-8	7/25/2023	8	10.5
B08W-2	7/25/2023	2	16.8
B08W-2 DUP	7/25/2023	2	8.99
B08W-4	7/25/2023	4	14.3
B08W-6	7/25/2023	6	11.4
B08W-8	7/25/2023	8	9.74
B08WW-2	7/25/2023	2	15.3
B08WW-4	7/25/2023	4	15.9
B08WW-6	7/25/2023	6	10.9
B08WW-8	7/25/2023	8	8.55
B9-0.5	2/20/2023	0.50	2.5

Table 1
Soil Arsenic Data Summary
McKinley Elementary School
2401 Santa Monica Boulevard, Santa Monica, California

Sample ID	Sample Date	Sample Depth (ftbgs)	Arsenic (mg/kg)
B9-2	2/20/2023	2.0	10
B10-0.5	2/20/2023	0.50	10
B10-2	2/20/2023	2	18
B10-4	2/20/2023	4	17
B10A-2	7/26/2023	2	9.66
B10A-4	7/26/2023	4	13.8
B10A-6	7/26/2023	6	12.6
B10A-8	7/26/2023	8	12.4
B10E-2	7/26/2023	2	6.04
B10E-2 DUP	7/26/2023	2	7.17
B10E-4	7/26/2023	4	17.1
B10E-6	7/26/2023	6	11.9
B10E-8	7/26/2023	8	11.3
B10EE-2	7/26/2023	2	8.8
B10EE-4	7/26/2023	4	14.8
B10EE-6	7/26/2023	6	8.1
B10EE-8	7/26/2023	8	11.6
B10N-2	7/26/2023	2	16.8
B10N-4	7/26/2023	4	16
B10N-6	7/26/2023	6	10.8
B10N-8	7/26/2023	8	12.2
B10NN-2	7/26/2023	2	19.6
B10NN-4	7/26/2023	4	16
B10NN-6	7/26/2023	6	11
B10NN-8	7/26/2023	8	11.6
B10S-2	7/26/2023	2	6.83
B10S-4	7/26/2023	4	16
B10S-6	7/26/2023	6	11.5
B10S-8	7/26/2023	8	11.9
B10SS-2	7/26/2023	2	12.9
B10SS-4	7/26/2023	4	16.1
B10SS-6	7/26/2023	6	11.1
B10SS-8	7/26/2023	8	12.7
B10W-2	7/26/2023	2	10.1
B10W-4	7/26/2023	4	16
B10W-6	7/26/2023	6	12.5
B10W-8	7/26/2023	8	13.5
B10WW-2	7/26/2023	2	14.6

Table 1
Soil Arsenic Data Summary
McKinley Elementary School
2401 Santa Monica Boulevard, Santa Monica, California

Sample ID	Sample Date	Sample Depth (ftbgs)	Arsenic (mg/kg)
B10WW-4	7/26/2023	4	16
B10WW-6	7/26/2023	6	10.3
B10WW-8	7/26/2023	8	10.1
B11-0.5	2/20/2023	0.50	8.9
B11-2	2/20/2023	2	13
B11-4	2/20/2023	4	19
B11A-2	7/25/2023	2	10.8
B11A-4	7/25/2023	4	11.9
B11A-6	7/25/2023	6	12.7
B11A-8	7/25/2023	8	14.6
B11E-2	7/25/2023	2	8.53
B11E-4	7/25/2023	4	18.9
B11E-4 DUP	7/25/2023	4	8.79
B11E-6	7/25/2023	6	16.3
B11E-8	7/25/2023	8	12.9
B11EE-2	7/25/2023	2	13.5
B11EE-4	7/25/2023	4	19
B11EE-6	7/25/2023	6	12.9
B11EE-8	7/25/2023	8	11.6
B11N-2	7/25/2023	2	10.8
B11N-4	7/25/2023	4	13.7
B11N-6	7/25/2023	6	17.6
B11N-8	7/25/2023	8	13
B11NN-2	7/25/2023	2	9.96
B11NN-4	7/25/2023	4	15.3
B11NN-6	7/25/2023	6	14.1
B11NN-8	7/25/2023	8	11.2
B11S-2	7/25/2023	2	9.38
B11S-4	7/25/2023	4	17.7
B11S-6	7/25/2023	6	15.7
B11S-8	7/25/2023	8	16.5
B11SS-2	7/25/2023	2	10.1
B11SS-4	7/25/2023	4	18.3
B11SS-6	7/25/2023	6	15.4
B11SS-8	7/25/2023	8	13.9
B11W-2	7/25/2023	2	9.63
B11W-4	7/25/2023	4	16.7
B11W-6	7/25/2023	6	16

Table 1
Soil Arsenic Data Summary
McKinley Elementary School
2401 Santa Monica Boulevard, Santa Monica, California

Sample ID	Sample Date	Sample Depth (ftbgs)	Arsenic (mg/kg)
B11W-8	7/25/2023	8	12.3
B11WW-2	7/25/2023	2	14.7
B11WW-4	7/25/2023	4	18.9
B11WW-6	7/25/2023	6	15.3
B11WW-8	7/25/2023	8	14.8
B12-0.5	2/20/2023	0.50	8.1
B12-2	2/20/2023	2	ND (<0.74)

Notes:
All concentrations are reported in milligrams per kilogram (mg/kg)
Sample depths are reported in feet below ground surface (ftbgs)
ND: Not detected above the reported laboratory method detection limit
DUP: Duplicate sample