Appendix H

Preliminary Endangerment Assessment for the Cole Administration Center at Cole Campus, prepared for Oakland Unified School District and DTSC

Ninyo & Moore, December 30, 2021

Preliminary Endangerment Assessment

Cole Administration Center at Cole Campus

1011 Union Street

Oakland, California

Oakland Unified School District

955 High Street | Oakland, California 94601

December 30, 2021 | Project No. 403668001

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

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Preliminary Endangerment Assessment

Central Administration Center at Cole Campus
1011 Union Street
Oakland, California

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EXECUTIVE SUMMARY

Ninyo & Moore Geotechnical and Environmental Sciences Consultants (Ninyo & Moore) prepared this Preliminary Endangerment Assessment (PEA) Report for the Oakland Unified School District (OUSD) and the Department of Toxic Substances Control (DTSC) for the property located at 1011 Union Street in Oakland, California (Site, Figure 1). The PEA work was conducted across the property in consideration for Site redevelopment into a central administration building and parking lot. Ninyo & Moore developed a scope of work included in the PEA Work Plan (Ninyo & Moore, 2021) based on the findings of the Phase I ESA Report and discussions with the DTSC. The PEA evaluated soil and soil gas for potential environmental concerns.

Constituents of Potential Concern (COPCs)	
Media	**Potential Environmental Concern**
Soil	Title 22 Metals, OCPs, PCBs, SVOCs, dioxin/furans, VOCs, TPHg, TPHd, TPHmo and PAHs
Soil Gas	VOCs, Methane, Oxygen, Carbon Dioxide

Notes:
OCPs – organochlorine pesticides
PCBs – polychlorinated biphenyls
SVOCs - semi volatile organic compounds
VOCs – volatile organic compounds
TPHd – total petroleum hydrocarbons as diesel
TPHmo – total petroleum hydrocarbons as motor oil
TPHg - total petroleum hydrocarbons as gasoline
PAHs – polynuclear aromatic hydrocarbons

Metals and dioxin/furans concentrations exceeding screening levels were identified in soil.

- The upper limit arsenic background concentration for the Site was estimated to be 14.20 mg/kg. Only 5 of the 124 soil samples collected at the Site contained arsenic at concentrations higher than the estimated local background concentration. Therefore, the distribution of arsenic contamination at the Site appears to be limited and localized. The estimated 95% UCL for arsenic using all available data was estimated to be 7.52 mg/kg (Appendix E).

- Relatively high concentrations of lead were detected in soil at the Site. The estimated 95UCL for lead was estimated to be 181.3 mg/kg (Appendix E). This value exceeds the DTSC (2020) soil screening value for lead of 80 mg/kg. Therefore, it is concluded lead in soil could pose a potential health hazard to future on-Site receptors.

- Using maximum detected soil chemical concentrations, the hazard indices estimated to result from soil exposure or indoor air exposure were estimated to be lower than 1 (Tables 13 and 14). Both estimated hazard indices were within levels considered acceptable to California health and environmental protection agencies.

Ninyo & Moore recommends:

- Evaluate mitigation and/or remediation options with respect to the proposed improvement plans (i.e., building locations, hardscape).

- Prepare a Site-Specific Health and Safety Plan and a Soil Management Plan for any work where contractors shall be working in or excavating soil.

- Delineate lead vertically in AOC 3. Grading is expected during development of the Administration building and soil will be removed and disposed of off-Site. Vertical delineation will determine the distribution of elevated lead concentrations in soil that may be excavated during grading.

- Delineate dioxin/furans in soil vertically and laterally near the boring S4 on the west side of the current two-story building (AOC 1).

1 INTRODUCTION

Ninyo & Moore Geotechnical and Environmental Sciences Consultants (Ninyo & Moore) prepared this Preliminary Endangerment Assessment (PEA) Report for the Oakland Unified School District (OUSD) and the Department of Toxic Substances Control (DTSC) for the property located at 1011 Union Street in Oakland, California (Site, Figure 1). Ninyo & Moore conducted this investigation based our Preliminary Environmental Assessment Work Plan dated October 21, 2021 (Work Plan) and approved by the DTSC in a letter dated October 21, 2021.

2 SITE DESCRIPTION

The Cole Campus Site is developed with a two-story former elementary school building, a former cafeteria building, a storage building, a playground, and two parking lots. The Site is occupied by the District administration personnel and the District Police Department. The Site is situated on one parcel totaling approximately 2.59 acres of land designated by Alameda County Assessor's Parcel Number (APN) 004 005300700. The Site location is presented on Figure 1. Additional Site details, geology, and hydrology are presented below.

2.1 Site Identification

Site Name:	Central Administration Center at Cole Campus
Contact Person:	Elena Comrie
Site Address:	1011 Union Street, Oakland, California
Mailing Address:	1111 Broadway, Suite 300, Oakland, CA 94607
Phone Number:	510.906.2123
Other Site Names:	Not applicable
USEPA Identification Number:	Not applicable
Property Location:	Between 10th Street, 12th Street, and Poplar Street in Oakland, California

2.2 Regional Geology

The Site is located in the Coast Range geomorphic province of California. The Coast Ranges are northwest-trending mountain ranges (2,000 to 4,000, occasionally 6,000 feet elevate above sea level), and valleys. The ranges and valleys trend northwest, subparallel to the San Andreas Fault. Strata dip beneath alluvium of the Great Valley. To the west is the Pacific Ocean. The coastline is uplifted, terraced, and wave-cut. The Coast Ranges are composed of thick Mesozoic and Cenozoic sedimentary strata. The northern and southern ranges are separated by a depression containing the San Francisco Bay. The northern Coast Ranges are dominated by irregular, knobby landslide-topography of the Franciscan Complex. The eastern border is characterized by strike-ridges and valleys in Upper Mesozoic strata. In several areas, Franciscan rocks are overlain by volcanic cones and flows of the Quien Sabe, Sonoma and

Clear Lake volcanic fields. The Coast Ranges are subparallel to the active San Andreas Fault. The San Andreas is more than 600 miles long, extending from Pt. Arena to the Gulf of California. West of the San Andreas is the Salinian Block, a granitic core extending from the southern extremity of the Coast Ranges to the north of the Farallon Islands (CGS, 2002).

The Site is located east of San Francisco Bay in the Coast Ranges Geomorphic Province of California. The Coast Ranges are comprised of several mountain ranges and structural valleys formed by tectonic processes commonly found around the Circum-Pacific belt. Basement rocks have been sheared, faulted, metamorphosed, and uplifted, and are separated by thick blankets of Cretaceous and Cenozoic sediments that fill structural valleys and line continental margins. The San Francisco Bay Area has several ranges that trend northwest, parallel to major strike-slip faults such as the San Andreas, Hayward, and Calaveras faults. Major tectonic activity associated with these and other faults within this regional tectonic framework consists primarily of right-lateral, strike-slip movement (Norris and Webb, 1990).

2.3 Site Geology

Review of available geologic maps and reports indicates that the Site is located in the flatlands west of the base of the Oakland Hills, which is proximal to the San Francisco Bay structural depression to the west. Bedrock underlying the Oakland-San Leandro area and exposed in the hills to the east primarily consists of gabbro and basalt of the Jurassic Coast Range Ophiolite, Late Jurassic-Early Cretaceous Franciscan rocks, Jurassic silicic volcanics and Late Jurassic-Early Cretaceous Knoxville Formation.

The 1977 California Division of Mines and Geology, *Geologic Map of California: (Jennings C.W.)*, shows the Site to be underlain by Quaternary Marine and Non-marine Sand Deposits (Qs). Based on our review of the EDR Radius Map report during preparation of our Phase I ESA, the primary soil type beneath the Site is mapped as Urban Land (Ninyo & Moore, 2019).

2.4 Subsurface Conditions

The following sections provide a generalized description of the subsurface conditions encountered during this 2021 investigation.

Fill in the northern portion of the Site was encountered in all 75 borings to 2.5 feet below ground surface (bgs). The fill consisted of two distinct layers; 1) From below asphalt to 1-foot bgs consisted of gravel, silt, with pockets of sand and traces of wood, glass, and brick fragments: 2) from 1 foot to 2.5 feet bgs consisted of gravel, fine sand and silt (Figure 2 and Appendix A). Soil below two feet at borings SG3 and SG4 along the north

perimeter consisted of silty sand from 0.5-feet to 10-feet bgs. In the southern portion of the site, soil consisted of silty sand with clay to approximately 4.5-feet bgs and clayey sand with silt to 10 and 15 feet in borings SG2 and SG1, respectively.

According to Consolidated Engineering Laboratories' 2019 geotechnical investigation, soil consist of Merritt sands, consisting of dark brown sand to silty sand layers with frequent lenses of medium dense to very dense, clayey to silty sand to a depth of about 27 feet, below which primarily clean, fine sand is encountered to a depth of about 50 feet.

2.5 Site Hydrology

The following sections discuss the Site hydrology in terms of both surface waters and groundwater:

2.5.1 Surface Waters

There are no surface waters, including ponds, streams, creeks, lagoons, and other naturally-occurring bodies of water at the Site. The nearest water body in the San Francisco Bay approximately 4,600 feet to the south of the Site.

2.5.2 Groundwater

During implementation of the PEA Work Plan, groundwater was not observed in any of the borings which were advanced to a depth of up to 15 feet bgs. According to the State Water Resources Control Board's GeoTracker website (GeoTracker), groundwater information reported in a Second Half 2018 groundwater monitoring report for the former Shell-branded service station located at 1230 14th Street (approximately 750 feet northeast of the Site), the groundwater flow in the Site vicinity was reported to be towards the northeast and the depth to groundwater was reported to be approximately 11 to 13 feet bgs. Groundwater depths and flow directions can vary due to seasonal variations, groundwater withdrawal or injection, tidal influences, and other factors.

During a geotechnical investigation performed for the Site in November 2019, free groundwater was reportedly encountered at a depth of 18 to 19 feet bgs (CEL, 2019).

3 BACKGROUND

3.1 Site Status/Historical Site Information

The Site was developed in the late 1870s with the Cole Grammar School on the southern portion of the Site and several residential houses on the northern portion of the Site. During the 1920s the original school building was burned down and the residential houses were demolished and were replaced with a two-story elementary school building, a cafeteria building, five temporary classrooms, and a parking lot. In the 1950s several temporary classrooms were added and removed. In the late 1960s a Kindergarten building was constructed on the eastern portion of the Site. In the early 1970s the Kindergarten building was removed and replaced with five portable buildings, which were later removed in the late 1970s. In the early 2010s the eastern portion of the parking lot on the Site was fenced-off and used as the restricted parking of the Oakland School Police Department, and a storage building was constructed in the northeastern corner of the Site.

3.2 Current Use(s) of Surrounding Properties

The north-adjacent properties (located across 12th Street) include the California Cereal Products/Nabisco Brands Inc. property and a playground. The south-adjacent properties (located across 10th Street) include the Oakland Housing Authority and several row houses. The west-adjacent properties (located across Poplar Street) include several row houses. The east-adjacent properties (located across Union Street) are residences.

3.3 Records Review Information

A records review was completed in conjunction with the 2019 Phase I ESA (Ninyo & Moore, 2019).

3.4 Site Reconnaissance

A Site reconnaissance was completed as part of the Phase I ESA field assessment activities.

3.5 Interviews

Interviews were completed in conjunction with the Phase I ESA.

4 APPARENT PROBLEM

As identified in the PEA Work Plan Constituents of potential concern (COPC) in soil and soil gas at the Cole Central Administration Site include metals, TPHs, OCPs, PCBs, SVOCs, VOCs, PAHs, and dioxins/furans. The COPCs may be from the current structures, former structures, fill material, natural occurring constituents, or former burned structures.

5 ENVIRONMENTAL SETTING

5.1 Conceptual Site Model

Based on Phase I ESA and the scoping meeting with the DTSC, Ninyo & Moore created a summary of the Areas of Concern (AOCs) with regard to potential soil and soil gas impacts. The AOC are presented in Figure 2 and summarized in Table 1 below. The PEA assessment results are summarized in Section 6.

Table 1 – Areas of Concern

Areas of Concern	Period of operation	Sample Media	Sample Depths (feet bgs)	Potential Environmental Concern
AOC1–Elementary School Building (current building)	1936 to present	soil	Surface and 2	lead, arsenic, OCPs, and PCBs
AOC2- Cafeteria Building (current building)	1949 to present	soil	Surface and 2	lead, arsenic, OCPs, and PCBs
AOC3-Former Buildings (northern portion of the Site)	1902 to 1950s	soil	Surface and 2	lead, arsenic, OCPs, PCBs, and CAM 17 metals.
AOC4-Former Heating Oil UST	Removed in 1998. Installation date is unknown	Soil and soil gas	Soil -5,10, and 15 Soil gas-5 and 10	soil - TPHd/mo, TPHg, VOCs, metals soil gas - VOCs
AOC5-Waste Incinerator (currently on-Site)	1936 to unknown (no longer operational)	soil	Surface, 2 and 5	SVOC, metals, and dioxins/furans
AOC6-Hydraulic Elevator (currently on-Site)	unknown	soil	5 and 10	TPHd/mo and PCBs
AOC7–Pad Mounted Transformer (if contained PCBs)[1] (currently on-Site)	unknown	soil	Surface and 2	PCBs
AOC8-Burned Structures	1923	soil	Surface and 2	dioxins/furans
AOC9-Off-Site Northern and Southern Boundaries	Not Applicable	soil and soil gas	Soil -5,10, and 15 Soil gas-5 and 10	soil - TPHd/mo, TPHg, VOCs, metals soil gas - VOCs
AOC10- Off-Site Railroad Lines	Unknown	soil	Surface and 2	metals, SVOCs, and PAHs

5.2 Factors Related to Soil Pathways

The Site is a former school currently used as offices for district employees. The Site is situated at an elevation of 20 feet above mean sea level. The topography of the Site generally slopes towards the northwest. The Site surface completion includes asphalt, concrete, and buildings on concrete slab as summarized in the above table.

6 SAMPLING ACTIVITIES

6.1 Pre-Field Activities

Ninyo & Moore conducted the following pre-field activities prior to conducting the field investigation.

6.1.1 Utility Locating

Ninyo & Moore marked the vicinity of proposed boring locations with white paint and/or stakes and notified Underground Service Alert (USA) at least 72 hours prior to the start of subsurface disturbance activities, as required by California law. USA notified utility companies of the planned activities and requested that they mark their subsurface utilities within the proposed boring locations by the proposed date. Prior to drilling, Ninyo & Moore contracted Ground Penetrating Radar Systems, LLC (GPRS), a private utility company, of San Jose, California to verify the presence of the underground utilities and to identify any previously unmarked utilities.

6.1.2 Health and Safety Plan

Ninyo & Moore prepared a Site-specific health and safety plan (HASP) to protect Site workers and the general public from the potential hazards associated with hand augering and drilling, dust generated by sampling activities, and associated work being performed during field activities. The HASP included a map to the closest medical emergency facility. Ninyo & Moore reviewed the HASP with field personnel prior to the start of field work and field personnel signed the acknowledgement form attached to the HASP, indicating they understood and would abide by its provisions.

6.1.3 Permitting

Ninyo & Moore obtained a drilling permit from Alameda County Public Works Agency (ACPWA) for the two soil borings extending deeper than 5 feet bgs and for the permanent dual-nested soil vapor wells.

6.2 Sampling Methods and Procedures

6.2.1 Sample Identifications

Boring locations are identified referencing the AOC that they are targeting. Borings are identified with the letter 'S' and are followed by a unique number for each boring location. For example, a boring labeled 'AOC1-S1' is a boring advanced within AOC1. Boring locations that target more than one AOC will be identified referencing all relevant AOCs. For example, a boring labeled 'AOC1/AOC4-S1' is a boring advanced to assess the current on-Site building (AOC1) as well as the former UST (AOC4).

Boring locations for AOC3 – Former Buildings are identified by a grid pattern. Borings are identified with the letter 'S' followed by a column number and row letter. For example, a boring labeled 'AOC3-S1A' is a boring advanced within AOC3 in column 1 row A.

Soil sample identifications consist of the boring identification followed by the depth of the sample collected. For example, the sample 'AOC1-SG1-5 indicates a soil gas sample collected from boring AOC1 from soil gas probe SG1 at 5 feet bgs.

Duplicate samples are identified by adding DUP at the end of the sample ID. For example, the duplicate for sample 'AOC1-S1-0.5' will be 'AOC1-S1-0.5 DUP'. Equipment blanks are identified by 'EB' followed by the date. For example, the equipment blank 'EB01012021' indicates an equipment blank collected on January 1, 2021. Trip blanks are identified by 'TB' followed by the date. For example, the trip blank 'TB01012021' indicates an equipment blank collected on January 1, 2021.

6.2.2 Soil Gas Probe Installation

In order to evaluate subsurface Site conditions, Ninyo and Moore advanced duel-nested soil gas probes at four locations (SG1 through SG4). Each of the locations included a nested probe at depths of 5 and 10 feet bgs.

Soil gas probes were installed using a hand auger and direct push (DP) drilling rig equipped with 2.75-inch diameter drill casing. Prior to drilling, the borings were cleared by hand auger to at least 5 ft bgs. Each soil gas probe consisted of a soil vapor sampling probe tip, constructed of either a stainless-steel screen or ceramic air-stone, connected to 0.25-inch Teflon or Teflon lined tubing. The boring was advanced using a direct push drill rig at least six inches deeper than the intended probe depths and filled with sand up to the depth of the probes. The probe was lowered into the boring and sand was added to a depth of six inches above the probe. The sand pack was topped with a transition seal of 6-inches of dry

bentonite followed by hydrated bentonite up to the bottom of the next sand interval for the shallow probe or up to ground surface. A tremie pipe was used to avoid bridging or segregation during the placement of the sand pack and annular seal at depths greater than five feet. The bentonite was hydrated in the annulus of the boring to further prevent bridging.

6.2.3 Soil Vapor Probe Sampling

On November 15 and 16, 2021, Ninyo & Moore collected soil vapor samples from soil gas probes (SG1 through SG4). One duplicate sample was collected from soil gas probe SG1-5. During the November sampling, water was observed in the sampling tubing while purging the 5-foot sample at location AOC9-SG2 and a vacuum was not established while purging the 10-foot sample at location AOC9-SG3. Ninyo & Moore attempted to sample AOC9-SG2 and ACO9-SG3 a second time on December 3, 2021. Ninyo & Moore was unable to collect the samples because of the same issues as the November sampling event.

The soil vapor probes were allowed to stabilize for a period of at least 72 hours before samples were collected in 1-liter batch certified Summa canisters. Soil gas samples were collected in accordance with the procedures described in DTSC's "Advisory: Active Soil Gas Investigations," dated July 2015 (DTSC 2015), including procedures for collecting samples in low flow, high vacuum conditions. In addition, an ambient air sample (OA-1) was collected at an up-gradient location during soil gas sample collection.

Prior to sample collection, a shut-in test was conducted on each sample train, consisting of the sample canister and sampling manifold (including an in-line filter and flow regulator) as a leak check to ensure the sampling assembly is free from leaks before purging and sampling. Each manifold and canister were placed under a minimum vacuum of 10 inches of mercury and sealed. Before use, each canister/manifold set was observed to ensure that the vacuum was retained for a minimum of five minutes prior to use. If there was any observable loss of vacuum, the fittings were adjusted until the vacuum in the sample train was retained indicating the absence of leaks.

Each probe was purged of three well volumes of vapor prior to sampling. The well volume was calculated using the internal volume of the tubing and manifold, the void space of the sand pack around the probe tip, and the void space of dry bentonite in the annular space. Purging was conducted using a separate 6-liter Summa canister. A flow rate of approximately 100 to 200 milliliters per minute and a vacuum of no more than 100 inches of

water was maintained during purging. During purging of probe SG2-5, water was observed being drawn into the sampling apparatus from the soil vapor probe. Groundwater had not been observed in this soil boring during installation of the probe, and groundwater was not observed in any of the other soil borings at similar depths (approximately 5.5 feet bgs) during our sampling activities. Additionally, during purging of probe SG3-10, the gauge reading on the purge canister and the gauge reading on the soil gas manifold equilibrated at an approximate reading of 5 inches of mercury and the purge canister was no longer pulling gas from the probe. As a result, no samples were collected from probes SG2-5 and SG3-10.

Following the shut-in test and well purging, samples were collected in the Summa canisters within a fully encapsulating shroud using helium as the leak detection compound. The atmosphere within the shroud was enriched to, and maintained at, a minimum of 20 percent helium during sampling. A flow rate of approximately 150 milliliters per minute was maintained by the laboratory-provided flow controller. Each canister was filled until a vacuum of approximately five inches of mercury remained in the sample canister.

For each sample canister, the sample ID, well purge volume, canister number manifold number, initial and final vacuum readings, sample collection time, shroud helium concentrations, and location were documented on field forms. Samples were properly labeled and transported under strict COC procedures to Eurofins TestAmerica of Sacramento, California, a California-certified analytical laboratory, for analysis.

6.2.4 Soil Sampling Procedures

Ninyo & Moore collected soil samples using hand-sampling equipment (a hand auger) or a direct push sampling rig. Where a hand auger was used, samples were collected from the auger tool and soil placed directly into laboratory-supplied, pre-cleaned glass jars and labeled properly. The hand auger was decontaminated between each sampling location.

Where a direct-push sampling rig was used, 1.5-inch-diameter acetate sample tubes were advanced beneath the subsurface inside a stainless-steel sample probe using hydraulic rams. Soil samples were collected from the desired interval at each boring location and placed into laboratory-supplied, pre-cleaned glass jars or stainless-steel liners and labeled properly. Each soil boring was abandoned using a Portland types I to IV cement and concrete, applied from the bottom of the borehole to the surface.

After labeling, the soil samples were logged onto chain-of-custody (COC) forms, sealed in plastic bags and placed in an ice-chilled cooler for transportation to the laboratory under proper chain-of-custody protocols.

Each boring location was located using a handheld Trimble R1 global positioning system unit (or similar device) during field activities. The unit is capable of providing an accuracy of less than one meter in the field.

7 SAMPLING RATIONAL

Soil and soil-gas samples were collected from borings across the Site within areas identified as AOC. Ranges of concentrations that exceeded their respective DTSC screening levels (SL) are summarized below by AOC and media. Soil-gas samples were collected from dual-nested soil vapor wells installed at a depth of 5 and 10 feet bgs. Any deviations from the Work Plan are discussed under each AOC below.

A sample matrix presenting AOC sample IDs, sample depths, analysis for soil and soil gas is presented in Table 2. Soil results are included in Tables 3 through 6 and soil-gas results are presented in Table 7. Duplicate sample results are included for each media in their respective table. Lab reports and data validation reports are included in Appendices B and C, respectively. Soil exceedances are presented on Figures 3 through 5.

8 SAMPLING RESULTS

8.1 AOC1 – Elementary School Building (current building)

Eleven borings (S1 through S11) were advanced adjacent to the Former Elementary School Building located in the southern portion of the Site to assess AOC1. Soil samples were collected from all 11 borings at depths of 0.0 to 0.5 feet below ground surface (bgs) and 2.0 to 2.5 feet bgs. Both sample depths were analyzed for OCPs; shallow soil samples were analyzed for arsenic, lead and PCBs. If the shallow result exceeded ESLs or SLs then the 2-foot sample was analyzed for the same constituent. Some of these borings were also part of other overlapping AOC assessments. Boring S7 was collected near both the waste incinerator and adjacent to the Elementary School Building but soil samples were not labeled with AOC1 in addition to AOC5. The samples form boring S7 were analyzed for overlapping constituents from AOC1 and AOC5. The sample locations are shown on Figures 3 through 5.

Constituent	Exceedance - (Quantity of Samples Exceeding SLs) and Range of Detections Exceeding SLs
Soil (mg/Kg)	
Lead	(8) 140 – 730

8.2 AOC2 – Cafeteria Building (current building)

Five borings (S5 and S12 through S14) were advanced adjacent to the cafeteria building located on the western boundary of the Site to assess potential impacts from building construction materials and application of pesticides. Soil samples were collected from all five borings at depths of 0.0 to 0.5 feet below ground surface (bgs) and 2.0 to 2.5 feet bgs. Both sample depths were analyzed for OCPs; shallow soil samples were analyzed for arsenic, lead and PCBs. Some of these borings were also part of other overlapping AOC assessments. The sample locations are shown on Figure 2.

Constituent	Exceedance - (Quantity of Samples Exceeding SLs) and Range of Detections Exceeding SLs
Soil (mg/Kg)	
Arsenic	(1) 18

8.3 AOC3 – Former Buildings

A total of 75 borings were advanced within the footprint of the former buildings to assess potential impacts to soil from building construction materials, application of pesticides, and fill material from unknown sources. The sample locations were based on a grid overlain onto the area of the former buildings. Soil samples were collected from all 75 borings at depths of 0.0 to 0.5 feet below ground surface (bgs) and 2.0 to 2.5 feet bgs. Both sample depths were analyzed for OCPs; shallow soil samples were analyzed for arsenic, lead and PCBs with one of every fourth sample location analyzed for full CAM-17 metals. Some of these borings were also part of other overlapping AOC assessments. The approximate location of the former buildings and sample locations are shown on Figure 3.

Constituent	Exceedance - (Quantity of Samples Exceeding SLs) and Range of Detections Exceeding SLs
Soil (mg/Kg)	
Arsenic	(12) 11 – 45
Lead	(60) 80 – 990

8.4 AOC4 – Former Heating Oil UST

One soil boring (S1) was advanced to a depth of 15 feet bgs adjacent to the location of the Former Heating Oil UST on the southern boundary of the Site to assess potential impacts of the former UST. Soil samples were collected at a depth of 5, 10 and 15 feet bgs. In addition, a dual nested soil gas probe was installed in the same boring in accordance with Section 6.2.2. Soil samples were analyzed for TPHd, TPHmo, TPHg, VOCs and metals. Soil gas samples were

analyzed for VOCs and helium (tracer gas compound). Helium was detected in the soil gas sample at 10 feet bgs (SG-1-10) at 18%. A second sample was collected with helium below 1%. The sample location is shown on Figure 2.

Constituent	Exceedance - (Quantity of Samples Exceeding SLs) and Range of Detections Exceeding SLs	
Soil Gas (µg/m^3)		
	Shallow (5 feet)	Deep (10 feet)
Chloroform	(1) 15	(1) 6.9

8.5 AOC5 – Waste Incinerator

One soil boring (S7) was advanced adjacent to the waste incinerator located in the basement near the Elementary School Building. The boring was advanced to a depth of 5 feet and samples were collected at a depth of 0.5, 2, and 5 feet bgs and analyzed for SVOCs, CAM 17 Metals, and dioxins/furans. The toxic equivalency value (TEQ) for dioxins/furans was calculated to be 0.156 picograms per gram (pg/g) in the 0.5-foot sample and 1.4 pg/g in the 2-foot sample. The sample location is shown on Figure 3. No exceedances were detected in the three samples collected near the waste incinerator.

8.6 AOC6 – Hydraulic Elevator

Three borings (S9A, S9B, and S9C) were advanced adjacent to the elevator located along the northeast end of the Elementary School Building. During field activities, refusal was encountered in the boreholes which appeared to consist of a concrete pad at a depth of approximately 4.0 to 4.5 feet bgs. A soil sample was collected from a depth of 4 feet bgs from boring S9B and analyzed for TPHd/mo and PCBs. In addition, PCBs were analyzed from boring S9A as part of the AOC1 assessment. During sampling activities Ninyo & Moore visually inspected the elevator shaft and did not find evidence of hydraulic fuel leaks. No exceedances for TPHd/mo and PCBs were detected in the samples collected from S9A and S9B.

8.7 AOC7 – Pad-Mounted Transformer

One boring (S8) was advanced adjacent to the pad-mounted transformer located in the northeast area of the Elementary School Building in order to assess potential PCB impacts to soils. Soil samples were collected at 0.0 to 0.5 and 2.0 to 2.5 feet bgs and analyzed for PCBs. The sample location is shown on Figure 3. During sampling activities, the area around the transformer was visually inspected and no evidence of oil staining or leaks were observed. No exceedances were detected in soil samples collected from boring S8.

8.8 AOC8 – Burned Structures

The location of the burned buildings is unknown and samples were collected throughout the Site. Dioxins/furans were analyzed in three soil borings (S4, S7 and S10) around current buildings and in nine borings (S1A, S5B, S8C, S2D, S6E, S1E, S3G, S6H and S9I) advanced within the grid as part of AOC3. Samples from boring S2 were not analyzed for dioxin/furans as stated in the Work Plan due to a lab error. Soil samples were collected at 0.0 to 0.5 and 2.0 to 2.5 feet bgs. Ash material was encountered in boring S9A and S9B advanced as part of the AOC1 and AOC6 assessment. Samples AOC1-S9A and AOC6-S9B were additionally analyzed for dioxins/furans in order to evaluate the impact of the ash burned material and no dioxins/furans were detected above the laboratory reporting. The only dioxin with a SL is 2,3,7,8-TCDD and no sample was found above the SL of 4.8 pg/g. The highest concentrations of dioxins/furans (TEQ of 9.6) was detected in the 0.5-foot sample in boring S4 (AOC1/AOC8-S4-0.5) on the west side of the current two-story building. All other TEQ calculations were below 4.8 pg/g. The sample locations are shown on Figure 3.

8.9 AOC9 – Northern and Southern Boundaries

To assess potential impacts from off-Site properties to the north and south of the Site and for general up-gradient/background soil and soil gas assessment, soil and soil gas samples were collected along the northern (SG3 and SG4) and southern (SG2/S2) boundaries. Borings were advanced to a depth of 10.5 feet bgs and soil samples were collected from 5 and 10 feet bgs. In addition, dual nested soil gas probes were installed in the same boring in accordance with Section 5.2.2. Ninyo & Moore attempted to collect soil gas samples at the 5-foot probe in SG2 and 10-foot probe in SG-3 during two separate Site visits on November 15 and December 3. Water was observed in the sampling tubing of SG2 while purging during both sampling attempts and a sample was not collected. Both sampling attempts were well after or before rain events. Irrigation lines were observed in the vicinity but no irrigation water was observed in the area. The 10-foot sample at SG3 was not collected due to low permeability soils inhibiting soil gas flow.

Soil samples were analyzed for TPHd, TPHmo, TPHg, VOCs, and CAM 17 Metals. Soil gas samples were analyzed for VOCs, fixed gases (oxygen, carbon dioxide and methane) and helium (tracer gas compound). Some of these borings were also part of other overlapping AOC assessments. The sample locations are shown on Figure 3. No exceedances were detected in any of the soil samples collected from borings SG3, SG4, and SG2/S2. The only exceedance is soil gas samples was chloroform in SG2-10 at a concentration of 19 µg/m3.

8.10 AOC10 – Railroad Lines

To assess potential impacts from the railroad tracks adjacent to the northeast corner of the Site, soil samples were collected from the northeast borings (S8A, S8B and S9C) within the grid sampling advanced as part of AOC3. Soil samples were collected at 0.0 to 0.5 and 2.0 to 2.5 feet bgs. Soil samples were analyzed for CAM 17 metals, SVOCs, and PAHs. Only exceedances of lead were detected in S8A, S8B and S9C and are discussed in Section 8.3. SVOCs and PAHs were not detected above the laboratory reporting limits. The sample locations are shown on Figure 3.

9 STATISTICAL ANALYSES OF SOIL ARSENIC DATA

The statistical methods used in the data evaluation were taken directly from DTSC's policy for selecting COPCs at hazardous waste sites and permitted facilities (https://dtsc.ca.gov/assessing-risk/). 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 for each metal the frequency of detection, range of detected values, range of sample quantitation limits, arithmetic means, and 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 is presented below.

Statistical Parameter	Arsenic
Number of Samples	124
Number of Non-Detected	19
Detection Frequency	85 %
Minimum detected value	1.9 mg/kg
Maximum detected value	45 mg/kg
Mean concentration	5.43 mg/kg
First quartile (Q1)	2.70 mg/kg
Median	4.00 mg/kg
Third quartile (Q3)	7.30 mg/kg
Standard deviation	5.12
Coefficient of variation	0.94
Order or magnitude difference between minimum and maximum value	1.68

For purposes of determining background concentrations, all soil arsenic data collected (regardless of depth) were included in the evaluation. In accordance with DTSC (1997) guidance, non-detected values were included in the evaluation as one-half the reported detection limit.

The next step in the analysis of soil metal data is the definition of the "Upper Bound Background Concentration." The Upper Background metal concentration was obtained using a "Fourth Spread" analysis as recommended by DTSC (2009). The Fourth Spread (Fs) of the soil metal 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 4.60 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

7.30 mg/kg + [1.5 x 4.60 mg/kg] = 14.20 mg/kg

According to these calculations, any soil arsenic concentration higher than 14.20 mg/kg are considered to be outliers. The samples containing arsenic at concentrations higher than 14.20 mg/kg were:

Sample ID	Arsenic Concentration (mg/kg)
AOC-S3C-0.5	15
AOC3-S2G-0.5	16
AOC3-S3E-0.5	16
AOC2/AOC3-S13/S3I-0.5	18
AOC3-S5G-0.5	45

In an effort to evaluate whether metal concentrations in soils are, in fact, derived from more than one distinct population, outliers were also labeled by constructing a cumulative probability plot. The plot was constructed by plotting the cumulative probability vs. soil arsenic concentration. Non-detected values were assigned a value equal to one-half the reported detectable concentration (DTSC, 1997).

According to the DTSC (1997) guidance, inflections or breaks in the cumulative plot line generally indicate the potential presence of soil metal contamination. Probability plot for arsenic detected in soil at the Site is presented in Figure 7. As can be seen in the figure, there are breaks in the line at arsenic concentrations of about 12 and 15 mg/kg. The observed breaks correlate well with the estimated, Site-specific upper background concentrations.

Now that the presence and concentration of outliers has been labeled, a statistically derived 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). For this exercise, all outlier values were removed, and only soil data considered to be representative of ambient, background concentrations were included.

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 and upper 100(1-α) confidence limit on the pth quartile (2.649, from Table A3, Gilbert 1987).

The statistical parameters obtained for the data once the outliers were removed and the estimated 95 percent upper confidence limit of the 99th quartile concentrations are presented below.

Statistical Parameter	Arsenic
Number of Samples	119
Minimum detected value	1.9 mg/kg
Maximum detected value	14.00 mg/kg
Mean concentration	4.73 mg/Kg
Standard deviation	3.10
95 Percent Upper Confidence Limit of the 99th Quartile	12.93 mg/kg

Based on this analysis, it is recommended confirmation samples be compared to the 95 percent upper confidence limit of the 99th quartile concentration of 12.93 mg/kg.

10 HUMAN HEALTH SCREENING EVALUATION

The PEA screening evaluation for human health effects involves identifying chemicals of potential concern (COPCs), evaluating exposure pathways and media of concern, assessing chemical toxicity, and then characterizing risk. Estimated health risks are based on a calculated dose, which integrates exposure parameters for the receptors of concern with chemical specific toxicity criteria. The calculated risks are then compared to health-based guidelines developed by the EPA and DTSC. For the purpose of the PEA screening evaluation, the potential dose is calculated for a resident (adult and child) occupying the Site.

Exposure to COPCs can only occur if there is a complete pathway by which the COPCs in soil, water, or air can be contacted by humans. Therefore, the evaluation of exposure pathways is the first step in the human health screening evaluation. Potential health hazards and risk are then calculated based on an evaluation of potential exposure concentrations and the toxicity of the COPCs. The findings of the human health screening evaluation are summarized in the risk characterization summary.

10.1 Exposure Pathways and Media of Concern

For the purpose of this PEA it is assumed that hypothetical residents at the Site may be exposed to Site chemicals through incidental ingestion, dermal contact, inhalation of soil particulates containing COPCs, and inhalation of soil vapor containing COPCs. In accordance with PEA guidelines, exposures to COPCs were evaluated assuming hypothetical residential exposure. Figure 6 presents the Conceptual Site Model (CSM) that links soil COPCs with hypothetical receptors at the Site.

10.1.1 Soil Exposure Pathways

COPCs discovered at the Site include metals, trace 4,4'-DDE, anthracene, phenanthrene, DRO, and MRO. These chemicals were detected in surficial- and subsurface soil; therefore, the potential exists for exposure to humans by dermal contact and incidental soil ingestion. All organic chemicals detected in soil were retained as COPCs in this risk evaluation.

In a conventional risk assessment, metal elements detected in soil at concentrations deemed to be within natural, background concentrations are excluded from the risk evaluation (USEPA, 1989 and DTSC, 2015). For this evaluation, the background metal data set was obtained from soil metal data collected from California Air Force facilities (Hunter, Davis, and Roach, 2004). Maximum detected soil metal concentrations were compared to the 95th percentile concentration obtained from the Air Force facilities. The comparison to background concentrations is presented in Table 8. In addition, maximum

detected soil metal concentrations were compared to soil screening levels. In an effort to be conservative, screening levels selected were taken from published soil screening levels deemed to be protective of residential receptors. Any metal detected in soil at concentrations higher than either the background concentration or the established screening levels for residential land use were retained in this HHRA as COPCs. Only arsenic and lead detected in soil at the Site exceeded both, their background concentration or their screening value. Therefore, only the metals arsenic and lead were selected as COPCs in this HHRA. The selection of metal COPCs is presented in Table 8.

10.1.2 Water Exposure Pathways

Groundwater was not encountered during the PEA. On-Site receptors will receive their drinking water from municipal water suppliers and would not depend on on-Site groundwater wells for their water needs. Therefore, the groundwater exposure pathway is not considered to be a complete exposure pathway. In addition, permanent surface water bodies do not occur on, or near the Site, therefore, surface water is not expected to be a consideration.

10.1.3 Air Exposure Pathways

The following sections discuss the air exposure pathways.

Fugitive Dust Inhalation

Metals, dioxins/furans, a few pesticides and DRO, and MRO were detected in soil at the Site (see Tables 3 through 6). Exposure to these chemicals may occur via inhalation of contaminated fugitive dust. Inhalation exposure to non-volatile compounds is typically minor in fugitive dust when compared to direct ingestion exposure (DTSC, 2015b). Nevertheless, a relationship must be estimated between the chemical concentration in soil and the concentration in air due to fugitive dust emissions from surface soil.

The EPA (2002) and DTSC (2015b) recommend using a particulate emission factor (PEF) to model COPC concentrations in airborne dust. The PEF represents an annual average emission rate based on wind erosion. Default PEF values for residential exposure scenarios published by the DTSC (2019a) were used in this risk evaluation. The residential PEF value of 1.316E+09 cubic meters per kilogram (m^3/kg) was used to estimate dust emissions for the recreational receptors. The ambient chemical air concentration due to dust emissions was obtained by dividing the soil chemical concentrations by the PEF. The estimated ambient air exposure point concentrations were used to estimate dust inhalation exposures for on-Site receptors.

Indoor Vapor Inhalation

Screening-level models were used to predict indoor air concentrations that may result from the chemical vapors potentially released from soil vapor under the Site. The estimated vapor flux and indoor air concentrations were then used to estimate potential health risks that may result from on-Site exposures. For purposes of this evaluation, it was assumed the land use would be residential now and into the foreseeable future.

In this evaluation, maximum detected soil vapor chemical concentrations (Table 9) were considered representative of chemical concentrations present in soil vapor under the Site.

The DTSC guidance recommends that multiple lines of evidence be used when evaluating the potential risk and hazards posed by vapor intrusion. DTSC recommends that the indoor air chemical concentrations that can result from vapor intrusion be estimated using the following equation:

$$AF = \frac{C_{indoor}}{C_{soil\ vapor}}$$

Where:

AF	=	Attenuation factor (unitless)
C_{indoor}	=	Indoor air concentration (micrograms per cubic meter [µg/m^3])
$C_{soil\ vapor}$	=	Soil vapor concentration (µg/m^3)

Using the above equation, the indoor air chemical concentration can be estimated by multiplying the known soil vapor concentration by the default attenuation factor (AF).

In accordance with DTSC (2020a) guidance, the default AF of 0.03 was used in the evaluation for chemicals detected in soil vapor at a depth of 5 and 10 feet bgs. Estimated indoor air chemical concentrations that might result from vapor intrusion are presented in Table 9.

10.1.4 Summary of Selected Exposure Pathways

For the purpose of this PEA screening evaluation, the hypothetical resident was assumed to be exposed to COPCs through direct dermal contact, incidental ingestion, and inhalation of volatiles and airborne particulates. Exposure to groundwater and surface water is deemed to be an incomplete pathway; therefore, is not a consideration. Exposure parameters used to characterize hypothetical on-Site residential receptors are presented in Table 10.

10.2 Exposure Concentrations and Chemicals

Tables 3 through 7 present the chemicals detected in soil at the Site. In accordance with the DTSC (2015) guidance, the maximum detected COPC concentrations were evaluated as potential exposure point concentrations (EPCs). These EPCs were used in the risk calculations. Soil data collected from surface and subsurface soils were combined in the evaluation of risks. That is, all soil samples collected at the Site were included in the calculation of risks regardless of the depth where the samples were collected. An assumption was made that an individual may come in contact with the entire soil profile if the Site was re-graded.

10.3 Toxicity Values

The toxicity assessment characterizes the relationship between the magnitude of exposure to a COPC and the nature and magnitude of adverse health effects that may result from such exposure. For the purposes of calculating exposure criteria to be used in risk assessments, adverse health effects are classified into two broad categories, carcinogens and non-carcinogens. Toxicity values/exposure criteria are generally developed based on the threshold approach for non-carcinogenic effects and the non-threshold approach for carcinogenic effects. Toxicity values may be based on epidemiological studies, short-term human studies, and sub-chronic or chronic animal data.

In this assessment, chronic toxicity criteria were selected in accordance with the DTSC's "Toxicity Criteria for Human Health Risk Assessment" (effective September 2018) (https://dtsc.ca.gov/LawsRegsPolicies/Regs/Toxicity-Criteria-for-Human-Health-Risk-Assessment). Toxicity information was obtained from the DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 10, Toxicity Criteria (DTSC, 2019b).

10.3.1 Carcinogenic Effects

Certain chemicals are regulated as carcinogens based on the likelihood that exposure may cause cancer in humans. Numerical estimates of cancer potency for these chemicals are presented as cancer slope factors (CSFs). The CSF defines the cancer risk due to constant lifetime exposure to one unit of a carcinogen (units of risk per mg/kg-day). CSFs are derived by calculating the 95% UCL on the slope of the linearized portion of the dose-response curve using the multistage cancer model on the study data. Use of the 95%UCL of the slope means that there is only a 5% chance that the probability of a response could be greater than the estimated value for the experimental data used. This is a conservative approach and may overestimate the actual risk given that the actual risk is expected to be between zero and the calculated value. Carcinogenic slope factors assume no threshold for effect, i.e., all exposures to a chemical are assumed to be associated with some risk.

For inhalation exposures cancer slope factors are expressed as inhalation unit risk (IUR) for a chemical. The IUR, which is expressed in units of inverse micrograms per cubic meter $(ug/m^3)^{-1}$, is the 95% UCL of the probability of carcinogenic response per unit daily exposure to a given chemical concentration over a lifetime. The IUR multiplied by the lifetime exposure concentration of the chemical provides an estimate of the 95% UCL of the theoretical cancer risk for the specific chemical. Cancer slope factors and IUR used in this evaluation are summarized in Table 11.

10.3.2 Noncarcinogenic Effects

For the purpose of assessing risk associated with non-carcinogenic effects, the EPA has adopted a science policy position that protective mechanisms such as repair, detoxification, and compensation must be overcome before an adverse health effect is manifested. Therefore, a range of exposures exists from zero to some finite value (a threshold) that can be tolerated by the organism without appreciable risk of adverse effects occurring.

Noncarcinogenic effects were evaluated using reference doses (RfDs) developed by the EPA. The RfD is a health-based criterion based on the assumption that thresholds exist for noncarcinogenic toxic effects. In general, the RfD is an estimate (with uncertainty) of a daily exposure to the human population that is likely to be without appreciable risk of chronic effects during a lifetime of exposure. RfDs are expressed as acceptable daily doses in milligrams of compound per kilogram of body weight per day (mg/kg-day). Most RfDs are based on oral exposure data.

A reference concentration (RfC) is an exposure concentration in air that is not expected to cause adverse health effects over a lifetime of daily exposure in the most sensitive population. RfD and RfC used in this evaluation are summarized in Table 11.

10.3.3 Health Risk Evaluation for Lead Exposure

The carcinogenic and non-carcinogenic toxicity criteria described above do not apply to inorganic lead. RfD, RfC, IUR and CSF are not applicable because of incomplete knowledge of the complex physiological dynamics of lead in the body (DTSC, 2020). Alternative methods have been developed to evaluate potential health risks from exposures to inorganic lead. These methods are based on establishing a target blood-lead level that is not expected to result in toxicity. The target level approach is considered appropriate because lead toxicity effects are typically only observed above certain blood-lead levels.

10.4 Risk Characterization Summary

Risk characterization involves estimating the magnitude of the potential adverse health effects of the hazardous chemicals under study and making judgments about the nature of the health threat to the defined receptor populations. It combines the results of the dose-response (toxicity) and exposure assessment.

Excess cancer risks were estimated by multiplying the lifetime-average daily dose (LADD) by the chemical carcinogenic toxicity criteria. The equation used to estimate the excess cancer risk is:

$$Excess\ Cancer\ Risk\ =\ LADD\ x\ CSF$$

The excess cancer risks are then compared to the risk level considered acceptable by the DTSC (1E-06).

Hazard quotients were estimated by calculating the ratio of the average daily dose (ADD) to the corresponding chronic reference dose for noncarcinogenic effects. The equation used to estimate the hazard quotient is:

$$Hazard\ Quotient\ =\ \frac{ADD}{RfD}$$

The hazard quotients are then compared to an acceptable hazard level. Hazard quotients less than the benchmark hazard level of 1 indicate that no adverse health effects are predicted from exposure to COPCs at the Site.

The chemical-specific and pathway-specific cancer risks and hazard index estimated for soil COPCs are presented in Tables 12. Supporting calculations are presented in Appendix D. The chemical-specific and pathway-specific cancer risks and hazard index for VOCs detected in soil gas are summarized in Tables 13. Supporting calculations are presented in Appendix D.

Using maximum detected concentrations for COPCs detected in soil at the Site, the total incremental cancer risk for hypothetical residential exposure to Site-related chemicals was estimated to be 4E-06 (Table 12). The total cancer risk exceeds the acceptable cancer risk of 1E-06. The chemicals responsible for the exceedance were total dioxins as dioxin TEQ and, to a lesser extent, Dieldrin (Table 12).

Using the maximum VOC concentrations detected in soil vapor, the cancer risks estimated to result from vapor intrusion was 5E-06 (Table 13). This estimated cancer risk exceeds the acceptable cancer risk of 1E-06. The chemical responsible for the exceedance was chloroform.

is known to be formed from the reaction of chlorinated water with soil organic matter. Free chlorine can react with organic matter in soil to form chloroform and other trihalomethanes. Thus, it is highly likely that the chloroform detected in soil gas could have originated from chlorinated water in the subsurface. Using maximum detected soil chemical concentrations, the total hazard index for hypothetical residential exposure to COPCs in soil was estimated to be 0.2 (Table 13). The estimated hazard index is below the acceptable hazard index of 1.

Using the maximum VOC concentrations detected in soil vapor, the hazard index estimated to result from vapor intrusion was 0.03 (Table 13). The hazard index estimated to result from VOCs intrusion is lower than the acceptable hazard index of 1 (Table 13)

10.5 Lead Exposure Health Hazards

Given the unique toxicological and pharmacological properties of lead, the Hazard Quotient method is inappropriate for this chemical. For lead, the DTSC (2020) recommends comparing detected soil lead concentrations to published soil screening levels. For this evaluation, the soil screening levels published by the DTSC (2020) was used as the soil screening concentration. The soil lead screening level for residential exposure scenarios has been set at 80 mg/kg (DTSC, 2020). The 95-percent upper confidence limit (95UCL) of the arithmetic mean concentration for lead was estimated to be 181.3 mg/kg (Appendix E). This value exceeds the DTSC's screening level of 80 mg/kg, it is concluded that lead in soil could pose a health threat to hypothetical on-Site occupants.

10.6 Uncertainty Analysis

It is important to fully specify the assumptions and uncertainties inherent in the risk assessment for two reasons: (1) to place the risk estimates in proper perspective, and (2) to identify key Site-related variables and assumptions that contribute most to the conclusions reached in the risk assessment. The focus of this section is also to highlight parameters and Site conditions that contribute most to the predicted risks. The frequency and duration of soil contact activities would be a significant factor affecting the potential for adverse human health impacts from the Site.

This health risk evaluation was based on the application of conservative methods and assumptions in all phases of the assessment. Because EPCs were derived from maximum detected concentrations, conservative assumptions and methodology were necessarily employed to minimize the possibility of underestimating risks. This practice, although commonly used in the risk assessment process, necessarily introduces a significant level of conservatism in the conclusions derived from the assessment. Examples of some of the conservatism in this assessment include:

- It was assumed that future receptors at the Site would be exposed to chemicals in soil and dust 100 percent of the time while at the Site. In reality, receptors at the Site are not likely to be there for more than eight hours a day, five days a week.

- It was assumed that future occupants of the Site would have contact with soil. However, it is known that most, if not all, the Site surface area is and will be occupied by buildings, asphalt, or landscaped. Thus, future contact with soil will be minimal.

- Carcinogenic risks for all pathways were based on a residential exposure of 350 days per year for 26 years. A more realistic exposure scenario for a school Site would be to assume an exposure frequency of 250 days per year for a duration of 6 years, representing a typical school exposure scenario.

10.7 Human Health Screening Evaluation Conclusions

Based on the results of this investigation, Ninyo & Moore provides the following conclusions and recommendations:

- The upper limit arsenic background concentration for the Site was estimated to be 14.20 mg/kg. Only 5 of the 124 soil samples collected at the Site contained arsenic at concentrations higher than the estimated local background concentration. Therefore, the distribution of arsenic contamination at the Site appears to be limited and localized. The estimated 95% UCL for arsenic using all available data was estimated to be 7.52 mg/kg (Appendix E).

- Relatively high concentrations of lead were detected in soil at the Site. The estimated 95% UCL for lead was estimated to be 181.3 mg/kg (Appendix E). This value exceeds the DTSC (2020) soil screening value for lead of 80 mg/kg. Therefore, it is concluded lead in soil could pose a potential health hazard to future on-Site receptors.

- Using maximum detected concentrations for all organic chemicals detected in soil at the Site, the total incremental cancer risk for hypothetical residential exposure to Site-related chemicals was estimated to be 4E-06. This value exceeds the acceptable cancer risk of 1E-06. The “risk drivers” were found to be dioxins/furans and Dieldrin (Table 12).

- Using maximum VOC concentrations detected in soil gas, the total incremental cancer risk for hypothetical residential exposure to indoor air was estimated to be 5E-06. This value exceeds the acceptable cancer risk of 1E-06. The “risk driver” was found to be chloroform (Table 13). It should be noted that chloroform is known to be formed from the reaction of chlorinated water with soil organic matter. Free chlorine can react with organic matter in soil to form chloroform and other trihalomethanes. Thus, it is highly likely that the chloroform detected in soil gas could have originated from chlorinated potable irrigation water in the subsurface. Furthermore, chloroform was only found above the SL in soil gas samples collected on along southern perimeter of the site in a landscaped area where irrigation lines were observed.

- Using maximum detected soil chemical concentrations, the hazard indices estimated to result from soil exposure or indoor air exposure were estimated to be lower than 1 (Tables 13 and 14). Both estimated hazard indices were within levels considered acceptable to California health and environmental protection agencies.

11 ECOLOGICAL SCREENING EVALUATION

An ecological screening evaluation was not completed.

12 CONCLUSIONS AND RECOMMENDATIONS

Conclusions and recommendations are presented below.

12.1 Conclusions

AOCs 1 through 10 of the OUSD Cole Central Administration Center Project were assessed in October through December 2021. Lead, arsenic, and dioxin/furans impacts were identified in soil. Remaining data gaps identified are:

- Vertical delineation of lead concentrations that exceed SLs.
- Vertical and lateral delineation of dioxins/furans concentrations that exceed SLs.

12.2 Recommendations

- Evaluate mitigation and/or remediation options with respect to the proposed improvement plans (i.e., building locations, hardscape).
- Prepare a Site-Specific Health and Safety Plan and a Soil Management Plan for any work where contractors shall be working in or excavating soil.
- Delineate lead vertically in AOC 3. Grading is expected during development of the Administration building and soil will be removed and disposed of off-Site. Vertical delineation will determine the distribution of elevated lead concentrations in soil that may be excavated during grading.
- Delineate dioxin/furans in soil vertically and laterally near the boring S4 on the west side of the current two-story building (AOC 1).

13 LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in Site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities. Please also note that this study did not include an evaluation of geotechnical conditions or potential geologic hazards.

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analysis. Further assessment of potential adverse environmental impacts from past on-Site and/or nearby use of hazardous materials may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between sampling locations. Variations in soil and/or groundwater conditions will exist beyond the points explored in this evaluation.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject Site. The testing and analyses have been conducted by an independent laboratory which is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Our conclusions, recommendations, and opinions are based on an analysis of the observed Site conditions. It should be understood that the conditions of a Site could change with time as a result of natural processes or the activities of man at the subject Site or nearby Sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

This report is intended exclusively for use by the Oakland Unified School District. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than those noted is undertaken at said parties' sole risk.

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TABLES

Table 2 – Sample and Analysis Matrix

AOC	Sample ID	Sample Depth (feet bgs)	Soil											
			Lead and Arsenic (EPA Method 6010B)	OCPs (EPA Method 8081)	PCBs (EPA Method 8082)	TPHd and TPHmo (EPA Method 8015)	TPHg	VOCs (EPA Method 8260B)	SVOCs (EPA Method 8270C SIM)	PAHs (EPA Method 8270)	Dioxins/Furans (EPA Method 8290A)	Title 22 Metals (EPA Method 6010B)	Hold	Notes
AOC1 - Elementary School Building (current building)	AOC1-S1-0.5	0.5	1	1	1									
	AOC1-S1-0.5DUP	0.5	1	1	1									
	AOC1-S1-2	2.0		1										
	AOC1-S1-2DUP	2.0		1										
	AOC1-S2-0.5	0.5	1	1	1						1			
	AOC1-S2-2	0.5		1							1			
	AOC1-S3-0.5	0.5	1	1	1									
	AOC1-S3-2	2.0		1										
	AOC1/AOC8-S4-0.5	2.0	1	1	1						1			
	AOC1/AOC8-S4-0.5 DUP	0.5	1	1	1						1			
	AOC1/AOC8-S4-2	2.0		1							1			
	AOC1/AOC2-S5-0.5	0.5	1	1	1									
	AOC1/AOC2-S5-2	2.0		1										
	AOC1-S6-0.5	0.5	1	1	1									
	AOC1-S6-2	2.0		1										
	AOC1/AOC5/AOC8-S7-0.5	0.5		1	1				1		1	1		
	AOC1/AOC5/AOC8-S7-2	2.0		1					1		1	1		
	AOC1/AOC7-S8-0.5	0.5	1	1	1									
	AOC1/AOC7-S8-2	2.0		1	1									
	AOC1/AOC7-S8-2DUP	2.0		1	1									
	AOC1/AOC8-S10-0.5	0.5	1	1	1						1			
	AOC1/AOC8-S10-2	2.0		1							1			
	AOC1-S9A-0.5	0.5	1	1	1									
	AOC1-S9A-0.5 DUP	0.5	1	1	1									
	AOC1-S9A-2	2.0		1										
	AOC1/AOC8-S10-0.5	0.5	1	1	1						1			
	AOC1/AOC8-S10-2	2.0		1							1			
	AOC1-S11-0.5	0.5	1	1	1									
	AOC1-S11-2	2.0		1										
AOC2 - Cafeteria (current building)	AOC2-S12-0.5	0.5	1	1	1									
	AOC2-S12-0.5DUP	0.5	1	1	1									
	AOC2-S12-2	2.0		1										
	AOC2-S12-2DUP	2.0		1										
	AOC2/AOC3-S13/S3I-0.5	0.5	1	1	1									
	AOC2/AOC3-S13/S3I-2	2.0		1										
	AOC2-S14-0.5	0.5	1	1	1									
	AOC2-S14-2	2.0		1										
	AOC3/AOC8-S1A-0.5	0.5		1	1						1	1		
	AOC3/AOC8-S1A-2	2.0		1							1			
	AOC3-S1B-0.5	0.5	1	1	1									
	AOC3-S1B-2	2.0		1										

Table 2 – Sample and Analysis Matrix

AOC	Sample ID	Sample Depth (feet bgs)	Soil											
			Lead and Arsenic (EPA Method 6010B)	OCPs (EPA Method 8081)	PCBs (EPA Method 8082)	TPHd and TPHmo (EPA Method 8015)	TPHg	VOCs (EPA Method 8260B)	SVOCs (EPA Method 8270C SIM)	PAHs (EPA Method 8270)	Dioxins/Furans (EPA Method 8290A)	Title 22 Metals (EPA Method 6010B)	Hold	Notes
	AOC3-S1C-0.5	0.5	1	1	1									
	AOC3-S1C-2	2.0		1										
	AOC3-S1D-0.5	0.5	1	1	1									
	AOC3-S1D-2	2.0		1										
	AOC3/AOC8-S1E-0.5	0.5	1	1	1									
	AOC3/AOC8-S1E-2	2.0		1										
	AOC3-S1F-0.5	0.5	1	1	1									
	AOC3-S1F-2	2.0		1										
	AOC3-S1G-0.5	0.5	1	1	1									
	AOC3-S1G-2	2.0		1										
	AOC3-S1H-0.5	0.5	1	1	1									
	AOC3-S1H-2	2.0		1										
	AOC3-S1I-0.5	0.5		1	1							1		
	AOC3-S1I-2	2.0		1										
	AOC3-S2A-0.5	0.5	1	1	1									
	AOC3-S2A-2	2.0		1										
	AOC3-S2B-0.5	0.5	1	1	1									
	AOC3-S2B-2	2.0		1										
	AOC3-S2C-0.5	0.5	1	1	1									
	AOC3-S2C-2	2.0		1										
	AOC3/AOC8-S2D-0.5	0.5	1	1	1									
	AOC3/AOC8-S2D-2	2.0		1										
	AOC3-S2E-0.5	0.5	1	1	1									
	AOC3-S2E-2	2.0		1										
	AOC3-S2F-0.5	0.5	1	1	1									
	AOC3-S2F-0.5DUP	0.5	1	1	1									
	AOC3-S2F-2	2.0		1										
	AOC3-S2G-0.5	0.5	1	1	1									
	AOC3-S2G-2	2.0		1										
	AOC3-S2H-0.5	0.5	1	1	1									
	AOC3-S2H-2	2.0		1										
	AOC3-S2I-0.5	0.5	1	1	1									
	AOC3-S2I-2	2.0		1										
	AOC3-S3A-0.5	0.5	1	1	1									
	AOC3-S3A-2	2.0		1										
	AOC3-S3B-0.5	0.5	1	1	1									
	AOC3-S3B-2	2.0		1										
	AOC3-S3C-0.5	0.5	1	1	1									
	AOC3-S3C-2	2.0		1										
	AOC3-S3D-0.5	0.5	1	1	1									
	AOC3-S3D-2	2.0		1										

Table 2 – Sample and Analysis Matrix

AOC	Sample ID	Sample Depth (feet bgs)	Soil											
			Lead and Arsenic (EPA Method 6010B)	OCPs (EPA Method 8081)	PCBs (EPA Method 8082)	TPHd and TPHmo (EPA Method 8015)	TPHg	VOCs (EPA Method 8260B)	SVOCs (EPA Method 8270C SIM)	PAHs (EPA Method 8270)	Dioxins/Furans (EPA Method 8290A)	Title 22 Metals (EPA Method 6010B)	Hold	Notes
AOC3 - Former Buildings (northern portion of the Site)	AOC3-S3E-0.5	0.5	1	1	1									
	AOC3-S3E-2	2.0		1										
	AOC3-S3F-0.5	0.5	1	1	1									
	AOC3-S3F-2	2.0		1										
	AOC3/AOC8-S3G-0.5	0.5	1	1	1						1			
	AOC3/AOC8-S3G-2	2.0		1							1			
	AOC3-S3H-0.5	0.5	1	1	1									
	AOC3-S3H-2	2.0		1										
	AOC3-S4A-0.5	0.5	1	1	1									
	AOC3-S4A-2	2.0		1										
	AOC3-S4B-0.5	0.5	1	1	1									
	AOC3-S4B-2	2.0		1										
	AOC3-S4C-0.5	0.5	1	1	1									
	AOC3-S4C-2	2.0		1										
	AOC3-S4D-0.5	0.5	1	1	1									
	AOC3-S4D-2	2.0		1										
	AOC3-S4E-0.5	0.5	1	1	1									
	AOC3-S4E-2	2.0		1										
	AOC3-S4F-0.5	0.5	1	1	1									
	AOC3-S4F-2	2.0		1										
	AOC3-S4G-0.5	0.5	1	1	1									
	AOC3-S4G-2	2.0		1										
	AOC3-S4H-0.5	0.5	1	1	1									
	AOC3-S4H-2	2.0		1										
	AOC3-S4I-0.5	0.5	1	1	1									
	AOC3-S4I-2	2.0		1										
	AOC3-S5A-0.5	0.5	1	1	1									
	AOC3-S5A-2	2.0		1										
	AOC3/AOC8-S5B-0.5	0.5	1	1	1						1			
	AOC3/AOC8-S5B-2	2.0		1							1			
	AOC3-S5C-0.5	0.5	1	1	1									
	AOC3-S5C-2	2.0		1										
	AOC3-S5D-0.5	0.5	1	1	1									
	AOC3-S5D-2	2.0		1										
	AOC3-S5E-0.5	0.5	1	1	1									
	AOC3-S5E-2	2.0		1										
	AOC3-S5F-0.5	0.5	1	1	1									
	AOC3-S5F-2	2.0		1										
	AOC3-S5G-0.5	0.5	1	1	1									
	AOC3-S5G-2	2.0		1										
	AOC3-S5G-2DUP	2.0		1										

Table 2 – Sample and Analysis Matrix

AOC	Sample ID	Sample Depth (feet bgs)	Soil										Notes
			Lead and Arsenic (EPA Method 6010B)	OCPs (EPA Method 8081)	PCBs (EPA Method 8082)	TPHd and TPHmo (EPA Method 8015)	TPHg	VOCs (EPA Method 8260B)	SVOCs (EPA Method 8270C SIM)	PAHs (EPA Method 8270)	Dioxins/Furans (EPA Method 8290A)	Title 22 Metals (EPA Method 6010B)	Hold	
	AOC3-S5H-0.5	0.5	1	1	1									
	AOC3-S5H-2	2.0		1										
	AOC3-S5I-0.5	0.5	1	1	1									
	AOC3-S5I-2	2.0		1										
	AOC3-S6A-0.5	0.5	1	1	1									
	AOC3-S6A-2	2.0		1										
	AOC3-S6B-0.5	0.5	1	1	1									
	AOC3-S6B-2	2.0		1										
	AOC3-S6C-0.5	0.5	1	1	1									
	AOC3-S6C-2	2.0		1										
	AOC3-S6D-0.5	0.5	1	1	1									
	AOC3-S6D-2	2.0		1										
	AOC3/AOC8-S6E-0.5	0.5	1	1	1						1			
	AOC3/AOC8-S6E-2	2.0		1							1			
	AOC3-S6F-0.5	0.5	1	1	1									
	AOC3-S6F-2	2.0		1										
	AOC3-S6G-0.5	0.5	1	1	1									
	AOC3-S6G-2	2.0		1										
	AOC3/AOC8-S6H-0.5	0.5	1	1	1						1			
	AOC3/AOC8-S6H-2	2.0		1							1			
	AOC3-S6I-0.5	0.5		1	1							1		
	AOC3-S6I-0.5DUP	0.5		1	1							1		
	AOC3-S6I-2	2.0		1										
	AOC3-S7A-0.5	0.5	1	1	1									
	AOC3-S7A-2	2.0		1										
	AOC3-S7B-0.5	0.5	1	1	1									
	AOC3-S7B-2	2.0		1										
	AOC3-S7C-0.5	0.5	1	1	1									
	AOC3-S7C-2	2.0		1										
	AOC3-S7D-0.5	0.5	1	1	1									
	AOC3-S7D-2	2.0		1										
	AOC3-S7E-0.5	0.5	1	1	1									
	AOC3-S7E-2	2.0		1										
	AOC3-S7F-0.5	0.5	1	1	1									
	AOC3-S7F-2	2.0		1										
	AOC3-S7G-0.5	0.5	1	1	1									
	AOC3-S7G-2	2.0		1										
	AOC3-S7H-0.5	0.5	1	1	1									
	AOC3-S7H-2	2.0		1										
	AOC3-S7I-0.5	0.5	1	1	1									
	AOC3-S7I-2	2.0		1										

Table 2 – Sample and Analysis Matrix

AOC	Sample ID	Sample Depth (feet bgs)	Soil	OCPs (EPA Method 8081)	PCBs (EPA Method 8082)	TPHd and TPHmo (EPA Method 8015)	TPHg	VOCs (EPA Method 8260B)	SVOCs (EPA Method 8270C SIM)	PAHs (EPA Method 8270)	Dioxins/Furans (EPA Method 8290A)	Title 22 Metals (EPA Method 6010B)	Hold	Notes
			Lead and Arsenic (EPA Method 6010B)											
	AOC3/AOC10-S8A-0.5	0.5		1	1				1	1		1		
	AOC3/AOC10-S8A-2	2.0		1					1	1		1		
	AOC3/AOC10-S8B-0.5	0.5		1	1				1	1		1		
	AOC3/AOC10-S8B-2	2.0		1					1	1		1		
	AOC3/AOC8-S8C-0.5	0.5	1	1	1						1			
	AOC3/AOC8-S8C-2	2.0		1							1			
	AOC3-S8D-0.5	0.5	1	1	1									
	AOC3-S8D-2	2.0		1										
	AOC3-S8E-0.5	0.5	1	1	1									
	AOC3-S8E-2	2.0		1										
	AOC3-S8F-0.5	0.5	1	1	1									
	AOC3-S8F-2	2.0		1										
	AOC3-S8G-0.5	0.5	1	1	1									
	AOC3-S8G-2	2.0		1										
	AOC3-S8H-0.5	0.5	1	1	1									
	AOC3-S8H-2	2.0		1										
	AOC3-S8I-0.5	0.5	1	1	1									
	AOC3-S8I-2	2.0		1										
	AOC3-S9A-0.5	0.5	1	1	1									
	AOC3-S9A-0.5DUP	0.5	1	1	1									
	AOC3-S9A-2	2.0		1										
	AOC3-S9B-0.5	0.5	1	1	1									
	AOC3-S9B-2	2.0		1										
	AOC3/AOC10-S9C-0.5	0.5		1	1				1	1		1		
	AOC3/AOC10-S9C-0.5DUP	0.5		1	1				1	1		1		
	AOC3/AOC10-S9C-2	2.0		1					1	1		1		
	AOC3-S9E-0.5	0.5	1	1	1									
	AOC3-S9E-0.5DUP	0.5	1	1	1									
	AOC3-S9E-2	2.0		1										
	AOC3-S9G-0.5	0.5	1	1	1									
	AOC3-S9G-2	2.0		1										
	AOC3/AOC8-S9I-0.5	0.5		1	1						1	1		
	AOC3/AOC8-S9I-0.5DUP	0.5		1	1						1	1		
	AOC3/AOC8-S9I-2	2.0		1							1			

Table 3 – Title 22 Metals

Sample ID	Depth (feet bgs)	Date Collected	Arsenic	Lead	Antimony	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Molybdenum	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			(mg/Kg)																
AOC1-S1-0.5	0.5	11/01/21	6.7	**430**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1-S1-0.5 DUP	0.5	11/01/21	4.0	**480**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1-S1-2	2.0	11/01/21	--	32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1-S2-0.5	0.5	10/26/21	9.0	**450**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1-S2-2	2.0	10/26/21	--	7.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1-S3-0.5	0.5	10/26/21	3.3	**250**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1-S3-2	2.0	10/26/21	--	59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1/AOC8-S4-0.5	0.5	10/26/21	7.4	**730**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1/AOC8-S4-0.5 DUP	0.5	10/26/21	9.2	**620**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1/AOC8-S4-2	2.0	10/26/21	--	46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1/AOC2-S5-0.5	0.5	10/26/21	3.4	9.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1-S6-0.5	0.5	10/26/21	3.8	**140**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1-S6-2	2.0	10/26/21	--	8.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1/AOC7-S8-0.5	0.5	10/26/21	ND<2.0	56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1-S9A-0.5	0.5	10/26/21	5.1	60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1-S9A-0.5 DUP	0.5	10/26/21	4.7	72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1/AOC8-S10-0.5	0.5	10/26/21	2.7	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1-S11-0.5	0.5	10/26/21	4.1	**450**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1-S11-2	2.0	10/26/21	--	19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC2-S12-0.5	0.5	10/26/21	3.4	54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC2-S12-0.5 DUP	0.5	10/26/21	3.1	52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC2/AOC3-S13/S3I-0.5	0.5	10/26/21	**18**	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC2-S14-0.5	0.5	10/26/21	2.9	69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3/AOC8-S1A-0.5	0.5	10/26/21	**12**	60	ND<3.0	78	ND<0.25	ND<0.50	16	7.6	26	0.46 J	0.14	15	2.4 J	ND<1.0	ND<5.0	25	84
AOC3-S1B-0.5	0.5	10/26/21	5.6	**120**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S1C-0.5	0.5	10/26/21	4.0	**180**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S1D-0.5	0.5	10/27/21	ND<2.5	6.2	1.9 J	150	0.33	0.81	7.1	9.9	18	ND<0.51	0.13	13	ND<5.1	ND<1.0	ND<5.1	19	67
AOC3/AOC8-S1E-0.5	0.5	10/27/21	6.8	7.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S1F-0.5	0.5	10/28/21	4.4	7.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S1G-0.5	0.5	10/26/21	3.2	13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S1H-0.5	0.5	10/26/21	8.4	79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S1I-0.5	0.5	10/29/21	3.7	**260**	--	--	--	--	--	--	--	--	--	--	--	--	--	46	131
AOC3-S1I-2	2.0	10/29/21	--	16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S2A-0.5	0.5	10/27/21	6.5	55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S2B-0.5	0.5	10/26/21	2.7	**160**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S2C-0.5	0.5	10/26/21	5.2	**640**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3/AOC8-S2D-0.5	0.5	10/27/21	9.0	**100**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S2E-0.5	0.5	10/27/21	10	**100**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S2F-0.5	0.5	10/28/21	8.9	5.9	2.1	84	0.29	0.11 J	8.8	6.6	13	0.86 J	ND<0.083	14	ND<1.2	ND<0.29	ND<1.2	23	58
AOC3-S2F-0.5 DUP	0.5	10/28/21	**13**	12	1.8 J	140	0.46	0.20	12	11	29	1.2 J	ND<0.085	19	ND<1.9	ND<0.47	ND<1.9	33	96
AOC3-S2F-2	2.0	10/28/21	1.9 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S2G-0.5	0.5	10/28/21	**16**	13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S2G-2	2.0	10/28/21	1.9 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S2H-0.5	0.5	10/28/21	10	71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S2I-0.5	0.5	10/29/21	5.1	65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S3A-0.5	0.5	10/27/21	6.1	**110**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S3B-0.5	0.5	10/27/21	7.3	**130**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S3B-2	2.0	10/27/21	--	49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S3C-0.5	0.5	10/27/21	**15**	54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S3C-2	2.0	10/27/21	3.7	**230**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S3D-0.5	0.5	10/27/21	10	**100**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S3D-2	2.0	10/27/21	--	7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S3E-0.5	0.5	10/27/21	**16**	65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S3E-2	2.0	10/27/21	2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S3F-0.5	0.5	10/28/21	6.4	**180**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S3F-2	2.0	10/28/21	--	4.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3/AOC8-S3G-0.5	0.5	10/28/21	**14**	**88**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3/AOC8-S3G-2	2.0	10/28/21	1.9 J	49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3 – Title 22 Metals

Sample ID	Depth (feet bgs)	Date Collected	Arsenic	Lead	Antimony	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Molybdenum	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			(mg/Kg)																
AOC3-S3H-0.5	0.5	10/28/21	9.7	**150**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S3H-2	2.0	10/28/21	--	8.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S4A-0.5	0.5	10/27/21	2.1	36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S4B-0.5	0.5	10/27/21	4.5	**290**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S4B-2	2.0	10/27/21	--	7.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S4C-0.5	0.5	10/27/21	**12**	65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S4C-2	2.0	10/27/21	1.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S4D-0.5	0.5	10/27/21	6.2	**140**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S4D-2	2.0	10/27/21	--	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S4E-0.5	0.5	10/27/21	ND<2.6	78	ND<3.1	36	ND<0.26	ND<0.52	2.6	1.4	3.3	ND<0.52	0.2	5.3	ND<5.2	ND<1	ND<5.2	0.96 J	25
AOC3-S4F-0.5	0.5	10/28/21	4.1	**96**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S4F-2	2.0	10/28/21		6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S4G-0.5	0.5	10/28/21	4.5	**130**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S4G-2	2.0	10/28/21	--	4.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S4H-0.5	0.5	10/28/21	2.7	**94**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S4H-2	2.0	10/28/21	--	7.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S4I-0.5	0.5	10/28/21	9.0	16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S5A-0.5	0.5	10/27/21	ND<2.6	**160**	ND<3.1	84	ND<0.26	0.30 J	10	2.9	15	ND<0.52	0.16	14	ND<5.2	ND<1.0	ND<5.2	8.6	98
AOC3-S5A-2	2.0	10/27/21	--	4.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3/AOC8-S5B-0.5	0.5	10/27/21	11	77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3/AOC8-S5B-2	2.0	10/27/21	2.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S5C-0.5	0.5	10/27/21	7.6	**140**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S5C-2	2.0	10/27/21	--	3.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S5D-0.5	0.5	10/28/21	11	**150**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S5D-2	2.0	10/28/21	2.2	**990**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S5E-0.5	0.5	10/28/21	7.1	**260**	6.4	99	0.36	0.34	19	5.5	19	ND<2.0	ND<0.085	17	ND<2.0.0	ND<0.5	ND<2.0.0	21	130
AOC3-S5E-2	2.0	10/28/21	--	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S5F-0.5	0.5	10/28/21	3.9	**200**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S5F-2	2.0	10/28/21	--	2.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S5G-0.5	0.5	10/28/21	**45**	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S5G-2	2.0	10/28/21	1.7 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S5H-0.5	0.5	10/28/21	9.1	**670**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S5H-2	2.0	10/28/21	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S5I-0.5	0.5	10/28/21	4.3	**80**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S5I-2	2.0	10/28/21	--	**210**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S6A-0.5	0.5	10/27/21	3.9	**260**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S6A-2	2.0	10/27/21	--	54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S6B-0.5	0.5	10/27/21	2.8	**860**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S6B-2	2.0	10/27/21	--	8.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S6C-0.5	0.5	10/27/21	6.2	**150**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S6C-2	2.0	10/27/21	--	**140**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S6D-0.5	0.5	10/28/21	4.6	**110**	8.0	110	0.40	0.19 J	21	5.5	36	ND<2.1	ND<0.079	20	ND<2.0.1	0.12 J	ND<2.0.1	23	110
AOC3-S6D-2	2.0	10/28/21	--	24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3/AOC8-S6E-0.5	0.5	10/28/21	6.1	**690**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3/AOC8-S6E-2	2.0	10/28/21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S6F-0.5	0.5	10/28/21	4.0	**170**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S6F-2	2.0	10/28/21	--	2.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S6G-0.5	0.5	10/28/21	3.9	**200**	8.7	130	0.46	0.45	27	4.6	31	ND<2.0	ND<0.082	18	ND<2.0.0	0.12 J	ND<2.0.0	24	260
AOC3-S6G-2	2.0	10/28/21	--	65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3/AOC8-S6H-0.5	0.5	10/29/21	6.4	**83**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3/AOC8-S6H-2	2.0	10/29/21	--	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S6I-0.5	0.5	10/29/21	3.7	**250**	12	280	0.70	0.14 J	26	5.6	20	ND<1.9	ND<0.081	22	ND<1.9	ND<0.49	ND<1.9	25	85
AOC3-S6I-0.5 DUP	0.5	10/29/21	3.8	**150**	12	150	0.58	0.19	22	5.6	16	ND<1.9	ND<0.083	21	ND<1.9	ND<0.49	ND<1.9	23	87
AOC3-S6I-2	2.0	10/29/21	--	28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S7A-0.5	0.5	10/27/21	3.3	**300**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S7A-2	2.0	10/27/21	--	5.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S7B-0.5	0.5	10/27/21	3.5	**180**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S7B-2	2.0	10/27/21	--	42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S7C-0.5	0.5	10/27/21	3.6	**200**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3 – Title 22 Metals

Sample ID	Depth (feet bgs)	Date Collected	Arsenic	Lead	Antimony	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Molybdenum	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			(mg/Kg)																
AOC3-S7C-2	2.0	10/27/21	--	6.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S7D-0.5	0.5	10/27/21	ND<2.5	55	ND<3.0	140	0.24 J	0.6	12	5.5	15	ND<0.50	0.19	15	ND<5	ND<1	ND<5	14	58
AOC3-S7D-2	2.0	10/27/21	ND<2.6	3.0 J	ND<3.1	49	0.18 J	0.26 J	20	3.9	4.2	ND<0.52	0.093	14	ND<5.2	ND<1	ND<5.2	14	14
AOC3-S7E-0.5	0.5	10/28/21	3.2	**120**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S7E-2	2.0	10/28/21	--	2.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S7F-0.5	0.5	10/29/21	8.1	**87**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S7F-2	2.0	10/29/21	--	41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S7G-0.5	0.5	10/29/21	7.3	**150**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S7G-2	2.0	10/29/21	--	3.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S7H-0.5	0.5	10/29/21	3.4	**700**															
AOC3-S7H-2	2.0	10/29/21	--	2.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S7I-0.5	0.5	10/29/21	4.1	**110**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S7I-2	2.0	10/29/21	--	2.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3/AOC10-S8A-0.5	0.5	10/27/21	ND<2.5	**310**	ND<3.0	140	0.29	0.62	22	4.9	24	ND<0.49	0.12	21	ND<4.9	ND<0.99	ND<4.9	18	160
AOC3/AOC10-S8A-2	2.0	10/27/21	ND<2.4	**94**	ND<2.9	110	0.34	0.68	33	7.0	13	ND<0.48	0.19	27	ND<4.8	ND<0.95	ND<4.8	22	51
AOC3/AOC10-S8B-0.5	0.5	10/27/21	ND<2.6	3.8 J	ND<3.1	76	0.24 J	0.32 J	27	4.2	6.4	ND<0.51	0.16	21	ND<5.1	ND<1.0	ND<5.1	14	20
AOC3/AOC10-S8B-2	2.0	10/27/21	ND<2.5	**150**	ND<3.0	120	0.34	0.70	22	5.7	26	ND<0.51	0.18	20	ND<5.1	ND<1.0	ND<5.1	17	120
AOC3/AOC8-S8C-0.5	0.5	10/27/21	5.4	**180**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3/AOC8-S8C-2	2.0	10/27/21	--	6.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S8D-0.5	0.5	10/27/21	9.2	**110**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S8D-2	2.0	10/27/21	--	3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S8E-0.5	0.5	10/28/21	**12**	**220**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S8E-2	2.0	10/28/21	--	19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S8F-0.5	0.5	10/29/21	2.3	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S8G-0.5	0.5	10/29/21	3.9	60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S8H-0.5	0.5	10/29/21	8.0	**100**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S8H-2	2.0	10/29/21	--	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S8I-0.5	0.5	10/29/21	2.1	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3/AOC10-S9C-0.5	0.5	10/27/21	ND<2.6	**600 J**	ND<3.1	110	0.31	0.63	17 J	5.2	29	ND<0.52	0.12	18	ND<5.2	ND<1.0	ND<5.2	15	120
AOC3/AOC10-S9C-0.5 DUP	0.5	10/27/21	ND<2.5	**120 J**	ND<3.0	73	0.21 J	0.50	0.5 J	4.3	14	ND<0.50	0.15	13	ND<5.0	ND<1.0	ND<5	11	86
AOC3/AOC10-S9C-2	2.0	10/27/21	ND<2.4	**99**	ND<2.9	110	ND<0.24	0.49	22	4.0	14	ND<0.49	0.18	19	ND<4.9	ND<0.98	ND<4.9	14	84
AOC3-S9E-0.5	0.5	10/28/21	7.4	**130**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S9E-0.5 DUP	0.5	10/28/21	2.8	49															
AOC3-S9E-2	2.0	10/28/21	--	1.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S9G-0.5	0.5	10/29/21	1.7 J	28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3/AOC8-S9I-0.5	0.5	10/29/21	7.6	**190**	8.9	88	0.4	0.3	23	5.7	17	ND<2.0	ND<0.082	17	ND<2.0	ND<0.5	0.85 J	25	170
AOC3/AOC8-S9I-0.5 DUP	0.5	10/29/21	4.4	**250**	11	150	0.5	ND<0.2	0.15 J	4.3	15	ND<2.0	0.20	16	ND<2.0	ND<0.49	ND<2.0	22	74
AOC3/AOC8-S9I-2	2.0	10/29/21	--	8.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC4-S1-5	5.0	11/01/21	3.7	12	11	60	0.6	0.085 J	50	7.5	9.0	ND<2.0	0.050	36	ND<2.0	ND<0.49	ND<2.0	31	28
AOC4-S1-5 DUP	5.0	11/01/21	2.8	32	11	56	0.57	0.085 J	42	5.5	8.0	ND<2.0	ND<0.085	32	ND<2.0	ND<0.49	ND<2.0	26	26
AOC4-S1-10	10.0	11/01/21	2.2	3.1	11	49	0.5	0.058 J	36	4.9	6.5	ND<1.9	0.024 J	32	ND<1.9	ND<0.48	ND<1.9	21	20
AOC4-S1-15	15.0	11/01/21	3.5	3.6	12	56	0.64	0.089	51	6.9	10	ND<1.9	0.018 J	35	ND<1.9	ND<0.48	ND<1.9	33	26
AOC5-S7-0.5	0.5	11/16/21	3.09	27	ND<5.0	80	ND<5.0	ND<5.0	29	13	16	ND<5.0	ND<0.50	25	ND<5.0	ND<1	ND<5	24	28
AOC5-S7-2	2.0	11/16/21	2.8	ND<3.0	ND<5.0	48	ND<5.0	ND<5.0	44	5.7	7.9	ND<5.0	ND<0.50	ND<5	ND<5.0	ND<1	ND<5	29	21
AOC5-S7-5	5.0	11/16/21	3.13	ND<3.0	ND<5.0	55	ND<5.0	ND<5.0	40	6.1	8.65	ND<5.0	ND<0.50	35	ND<5.0	ND<1	ND<5	30	23
AOC5-S7-5 DUP	5.0	11/16/21	3.12	3.06	ND<5.0	59	ND<5.0	ND<5.0	41	6.2	9.4	ND<5.0	ND<0.50	37	ND<5.0	ND<1.0	ND<5.0	32	25
AOC9-S2-5	5.0	11/01/21	1.6 J	2.6	7.5	31	0.35	0.041 J	20	2.9	4.4	ND<1.9	ND<0.082	14	ND<1.9	ND<0.49	ND<1.9	15	11
AOC9-S2-10	10.0	11/01/21	2.5	2.8	15	49	0.65	0.059 J	40	6.1	7.1	ND<2.0	ND<0.086	37	ND<2.0	ND<0.5	ND<2.0	27	23
AOC9-SG3-5	5.0	11/01/21	2.3	20	9.8	37	0.44	0.059 J	32	3.0	5.3	ND<1.9	0.060 J	17	ND<1.9	ND<0.49	ND<1.9	21	13

Table 3 – Title 22 Metals

Sample ID	Depth (feet bgs)	Date Collected	Arsenic	Lead	Antimony	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Molybdenum	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			(mg/Kg)																
AOC9-SG3-10	10.0	11/01/21	3.1	2.8	12	52	0.59	0.067 J	45	5.5	7.9	ND<2.0	0.015 J	38	ND<2.0	ND<0.5	ND<2.0	28	21
AOC9-SG4-5	5.0	11/01/21	2.8	3.3	9.6	40	0.52	0.069 J	30	5.6	5.5	ND<1.9	0.035 J	26	ND<1.9	ND<0.49	ND<1.9	26	17
AOC9-SG4-10	10.0	11/01/21	2.7	2.6	12	46	0.54	0.063 J	39	4.7	7.5	ND<2.0	0.032	35	ND<2.0	ND<0.49	ND<2.0	25	20
Screening Criteria																			
DTSC SL			11[a]	80	NE	NE	1,600	910	NE	23	3,100	390	1.0	820	390	390	0.78	390	23,000
EPA RSL			N/A	N/A	31	15,000	NE	NE	NE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
STLC x 10[1]			50	50	150	1,000	8	10	50	800	250	3,500	2.0	200	10	50	70.00	240	2,500
TCLP x 20[2]			100	100	NE	2000	NE	20	100	NE	NE	NE	4	NE	20	100	NE	NE	NE
TTLC[3]			50	1000	500	10,000	75	100	2,500	8,000	2,500	3,500	20.0	2,000	100	500	700.00	2,400	5,000

Notes:

-- - not analyzed

NE - not established

bgs – below ground surface

mg/Kg – milligrams per kilogram

DUP - duplicate sample

STLC - soluble threshold limit concentration

TCLP - toxicity characteristic leaching procedure

TTLC - total threshold limit concentration

N/A - Not Applicable

ND - not detected

ND<X – analyte not detected at or above laboratory reporting limit X

STLC x 10 - ten times the STLC regulatory limit

TCLP x 20 - 20 times the TCLP regulatory limit

Metals analyzed by Environmental Protection Agency (EPA) Method 6010B; mercury analyzed by EPA Method 7471A

a. Arsenic ESLs replaced with site-specific maximum background level from Duverge, 2011. Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region, Decembe

DTSC SL - Department of Toxic Substances Control Screening Levels, Human Health Risk (HERO), Note 3, Quarterly Update, April 2019 Residential Soil; if cancer endpoint value not available, noncancer endpoint value chosen--if no values, default to EPA Regional Screening Levels (RSL), TR=1E-06, HQ=1, November 20

Shaded gray indicates concentration exceeds ten times the STLC

Underlined value indicates concentration exceeds twenty times the TCLP

Bold - indicates concentration exceeds associated DTSC SL and/or EPA RSL

Table 4 – Soil Analytical Results - OCPs, PCBs, PAHs, and SVOCs

Sample ID	Depth (feet bgs)	Date Collected	4,4'-DDE	4,4'-DDT	cis-Chlordane	Dieldrin	trans-Chlordane	*PCB-1260	SVOCs and PAHs
			µg/kg						
AOC1-S1-0.5	0.5	11/01/21	ND<3.4	0.87 J	ND<3.4	ND<3.4	ND<3.4	4.9 J	--
AOC1-S1-0.5 DUP	0.5	11/01/21	ND<3.4	1.7 J	ND<3.4	ND<3.4	ND<3.4	8.5 J	--
AOC1-S1-2	2.0	11/01/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC1-S1-2 DUP	2.0	11/01/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC1-S2-0.5	0.5	10/26/21	3.5 J	10.0	ND<8.3	ND<8.3	ND<8.3	26 J	--
AOC1-S2-2	0.5	10/26/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC1-S3-0.5	0.5	10/26/21	3.6	0.51 J	5.5	2.3 J	1.5 J	6.0 J	--
AOC1-S3-2	2.0	10/26/21	0.29 J	1.0 J	0.70 J	0.24 J	ND<1.7	--	--
AOC1/AOC8-S4-0.5	0.5	10/26/21	15.0	31.0	62.0	45.0	23.0	43.0	--
AOC1/AOC8-S4-0.5DUP	0.5	10/26/21	13.0	27.0	70.0	18.0	25.0	37.0	--
AOC1/AOC8-S4-2	2.0	10/26/21	ND<1.7	ND<1.7	0.51 J	0.28 J	ND<1.7	--	--
AOC1/AOC2-S5-0.5	0.5	10/26/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<32	--
AOC1/AOC2-S5-2	2.0	10/26/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC1-S6-0.5	0.5	10/26/21	ND<17	4.0 J	ND<17	ND<17	ND<17	ND<33	--
AOC1-S6-2	2.0	10/26/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC1/AOC7-S8-0.5	2.0	10/26/21	ND<17	ND<17	ND<17	ND<17	ND<17	ND<32	--
AOC1/AOC7-S8-2	2.0	10/26/21	ND<3.2	ND<3.2	ND<3.2	ND<3.2	ND<3.2	ND<31	--
AOC1/AOC7-S8-2DUP	2.0	10/26/21	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND<33	--
AOC1-S9A-0.5	2.0	10/26/21	ND<17	ND<17	ND<17	ND<17	ND<17	ND<33	--
AOC1-S9A-0.5 DUP	2.0	10/26/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND<32	--
AOC1-S9A-2	0.5	10/26/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC1/AOC8-S10-0.5	0.5	10/26/21	3.9 J	2.7 J	ND<17	ND<17	ND<17	ND<33	--
AOC1/AOC8-S10-2	2.0	10/26/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC1-S11-0.5	0.5	10/26/21	ND<8.2	ND<8.2	ND<8.2	ND<8.2	ND<8.2	ND<32	--
AOC1-S11-2	2.0	10/26/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC2-S12-0.5	0.5	10/26/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<32	--
AOC2-S12-0.5DUP	0.5	10/26/21	ND<8.1	ND<8.1	ND<8.1	ND<8.1	ND<8.1	ND<31	--
AOC2-S12-2	2.0	10/26/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC2-S12-2DUP	2.0	10/26/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC2/AOC3-S13/S3I-0.5	0.5	10/26/21	ND<3.3	ND<3.3	ND<3.3	ND<3.3	ND<3.3	ND<32	--
AOC2/AOC3-S13/S3I-2	2.0	10/26/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC2-S14-0.5	0.5	10/26/21	ND<8.1	ND<8.1	ND<8.1	ND<8.1	ND<8.1	ND<31	--
AOC2-S14-2	2.0	10/26/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3/AOC8-S1A-0.5	0.5	10/26/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND<31	--
AOC3/AOC8-S1A-2	2.0	10/26/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3-S1B-0.5	0.5	10/26/21	18 J	ND<32	ND<32	ND<32	ND<32	ND<31	--
AOC3-S1B-2	2.0	10/26/21	ND<3.2	ND<3.2	ND<3.2	ND<3.2	ND<3.2	--	--
AOC3-S1C-0.5	0.5	10/26/21	ND<17	ND<17	ND<17	ND<17	ND<17	ND<33	--
AOC3-S1C-2	2.0	10/26/21	ND<8.0	1.7 J	ND<8.0	ND<8.0	ND<8.0	--	--
AOC3-S1D-0.5	0.5	10/27/21	ND<8.4	ND<8.4	ND<8.4	ND<8.4	ND<8.4	ND<33	--
AOC3-S1D-2	2.0	10/27/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3/AOC8-S1E-0.5	0.5	10/27/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<32	--
AOC3/AOC8-S1E-2	2.0	10/27/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3-S1F-0.5	0.5	10/28/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND<32	--
AOC3-S1F-2	2.0	10/28/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3-S1G-0.5	0.5	10/26/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND<32	--
AOC3-S1G-2	2.0	10/26/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S1H-0.5	0.5	10/26/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND<32	--
AOC3-S1H-2	2.0	10/28/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S1I-0.5	0.5	10/29/21	ND<17	ND<17	ND<17	ND<17	ND<17	ND<33	--
AOC3-S1I-2	2.0	10/29/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S2A-0.5	0.5	10/27/21	ND<17	ND<17	ND<17	ND<17	ND<17	ND<33	--
AOC3-S2A-2	2.0	10/27/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S2B-0.5	0.5	10/26/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<31	--
AOC3-S2B-2	2.0	10/26/21	ND<3.2	ND<3.2	ND<3.2	ND<3.2	ND<3.2	--	--
AOC3-S2C-0.5	0.5	10/26/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<31	--
AOC3-S2C-2	2.0	10/26/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3/AOC8-S2D-0.5	0.5	10/27/21	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<33	--
AOC3/AOC8-S2D-2	2.0	10/27/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3-S2E-0.5	0.5	10/27/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<32	--
AOC3-S2E-2	2.0	10/27/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3-S2F-0.5	0.5	10/28/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<32	--

Table 4 – Soil Analytical Results - OCPs, PCBs, PAHs, and SVOCs

Sample ID	Depth (feet bgs)	Date Collected	4,4'-DDE	4,4'-DDT	cis-Chlordane	Dieldrin	trans-Chlordane	*PCB-1260	SVOCs and PAHs
			µg/kg						
AOC3-S2F-0.5DUP	0.5	10/28/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<32	--
AOC3-S2F-2	2.0	10/28/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S2G-0.5	0.5	10/28/21	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	--
AOC3-S2G-2	2.0	10/28/21	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND<3.4	--	--
AOC3-S2H-0.5	0.5	10/28/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND<33	--
AOC3-S2H-2	2.0	10/28/21	ND<17	ND<17	ND<17	ND<17	ND<17	--	--
AOC3-S2I-0.5	0.5	10/29/21	ND<82	ND<82	ND<82	ND<82	ND<82	ND<160	--
AOC3-S2I-2	2.0	10/29/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S3A-0.5	0.5	10/27/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<32	--
AOC3-S3A-2	2.0	10/27/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S3B-0.5	0.5	10/27/21	ND<8.4	ND<8.4	ND<8.4	ND<8.4	ND<8.4	ND<33	--
AOC3-S3B-2	2.0	10/27/21	ND<3.3	ND<3.3	ND<3.3	ND<3.3	ND<3.3	--	--
AOC3-S3C-0.5	0.5	10/27/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<32	--
AOC3-S3C-2	2.0	10/27/21	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<8.5	--	--
AOC3-S3D-0.5	0.5	10/27/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<32	--
AOC3-S3D-2	2.0	10/27/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3-S3E-0.5	0.5	10/27/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<32	--
AOC3-S3E-2	2.0	10/27/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3-S3F-0.5	0.5	10/28/21	ND<83	ND<83	ND<83	ND<83	ND<83	ND<160	--
AOC3-S3F-2	2.0	10/28/21	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND<3.4	--	--
AOC3/AOC8-S3G-0.5	0.5	10/28/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND<160	--
AOC3/AOC8-S3G-2	2.0	10/28/21	ND<8.3	ND<8.3	ND<8.3	ND<8.3	ND<8.3	--	--
AOC3-S3H-0.5	0.5	10/28/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND<32	--
AOC3-S3H-2	2.0	10/28/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S4A-0.5	0.5	10/27/21	0.24 J	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<32	--
AOC3-S4A-2	2.0	10/27/21	ND<33	ND<33	ND<33	ND<33	ND<33	--	--
AOC3-S4B-0.5	0.5	10/27/21	3.8 J	4.1 J	ND<17	ND<17	ND<17	ND<32	--
AOC3-S4B-2	2.0	10/27/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3-S4C-0.5	0.5	10/27/21	ND<17	ND<17	ND<17	ND<17	ND<17	ND<32	--
AOC3-S4C-2	2.0	10/27/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3-S4D-0.5	0.5	10/27/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<32	--
AOC3-S4D-2	2.0	10/27/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S4E-0.5	0.5	10/27/21	ND<17	ND<17	ND<17	ND<17	ND<17	ND<32	--
AOC3-S4E-2	2.0	10/27/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3-S4F-0.5	0.5	10/28/21	ND<34	ND<34	ND<34	ND<34	ND<34	ND<160	--
AOC3-S4F-2	2.0	10/28/21	ND<17	ND<17	ND<17	ND<17	ND<17	--	--
AOC3-S4G-0.5	0.5	10/28/21	ND<85	ND<85	ND<85	ND<85	ND<85	ND<160	--
AOC3-S4G-2	2.0	10/28/21	ND<3.3	ND<3.3	ND<3.3	ND<3.3	ND<3.3	--	--
AOC3-S4H-0.5	0.5	10/28/21	ND<17	ND<17	ND<17	ND<17	ND<17	ND<32	--
AOC3-S4H-2	2.0	10/28/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3-S4I-0.5	0.5	10/28/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<32	--
AOC3-S4I-2	2.0	10/28/21	ND<8.1	ND<8.1	ND<8.1	ND<8.1	ND<8.1	--	--
AOC3-S5A-0.5	0.5	10/27/21	ND<17	5.7 J	ND<17	ND<17	ND<17	ND<33	--
AOC3-S5A-2	2.0	10/27/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3/AOC8-S5B-0.5	0.5	10/27/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<32	--
AOC3/AOC8-S5B-2	2.0	10/27/21	ND<8.3	ND<8.3	ND<8.3	ND<8.3	ND<8.3	--	--
AOC3-S5C-0.5	0.5	10/27/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<32	--
AOC3-S5C-2	2.0	10/27/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S5D-0.5	0.5	10/28/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND<32	--
AOC3-S5D-2	2.0	10/28/21	ND<8	ND<8	ND<8	ND<8	ND<8	--	--
AOC3-S5E-0.5	0.5	10/28/21	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	--
AOC3-S5E-2	2.0	10/28/21	ND<3.2	ND<3.2	ND<3.2	ND<3.2	ND<3.2	--	--
AOC3-S5F-0.5	0.5	10/28/21	ND<34	ND<34	ND<34	ND<34	ND<34	ND<160	--
AOC3-S5F-2	2.0	10/28/21	ND<3.3	ND<3.3	ND<3.3	ND<3.3	ND<3.3	--	--
AOC3-S5G-0.5	0.5	10/28/21	ND<82	ND<82	ND<82	ND<82	ND<82	ND<160	--
AOC3-S5G-2	2.0	10/28/21	ND<3.3	ND<3.3	ND<3.3	ND<3.3	ND<3.3	--	--
AOC3-S5G-2DUP	2.0	10/28/21	ND<3.3	ND<3.3	ND<3.3	ND<3.3	ND<3.3	--	--
AOC3-S5H-0.5	0.5	10/28/21	ND<32	ND<32	ND<32	ND<32	ND<32	ND<31	--
AOC3-S5H-2	2.0	10/28/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S5I-0.5	0.5	10/28/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<31	--
AOC3-S5I-2	2.0	10/28/21	ND<8.4	ND<8.4	ND<8.4	ND<8.4	ND<8.4	--	--
AOC3-S6A-0.5	0.5	10/27/21	ND<34	ND<34	ND<34	ND<34	ND<34	3.2 J	--

Table 4 – Soil Analytical Results - OCPs, PCBs, PAHs, and SVOCs

Sample ID	Depth (feet bgs)	Date Collected	4,4'-DDE	4,4'-DDT	cis-Chlordane	Dieldrin	trans-Chlordane	*PCB-1260	SVOCs and PAHs
			µg/kg						
AOC3-S6A-2	2.0	10/27/21	ND<3.3	ND<3.3	ND<3.3	ND<3.3	ND<3.3	--	--
AOC3-S6B-0.5	0.5	10/27/21	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<33	--
AOC3-S6B-2	2.0	10/27/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S6C-0.5	0.5	10/27/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<32	--
AOC3-S6C-2	2.0	10/27/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3-S6D-0.5	0.5	10/28/21	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	--
AOC3-S6D-2	2.0	10/28/21	ND<8.3	ND<8.3	ND<8.3	ND<8.3	ND<8.3	--	--
AOC3/AOC8-S6E-0.5	0.5	10/28/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND<32	--
AOC3/AOC8-S6E-2	2.0	10/28/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3-S6F-0.5	0.5	10/28/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND<32	--
AOC3-S6F-2	2.0	10/28/21	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND<3.4	--	--
AOC3-S6G-0.5	0.5	10/28/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND<160	--
AOC3-S6G-2	2.0	10/28/21	ND<33	ND<33	ND<33	ND<33	ND<33	--	--
AOC3/AOC8-S6H-0.5	0.5	10/29/21	ND<32	ND<32	ND<32	ND<32	ND<32	ND<31	--
AOC3/AOC8-S6H-2	2.0	10/29/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S6I-0.5	0.5	10/29/21	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	--
AOC3-S6I-0.5DUP	0.5	10/29/21	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	--
AOC3-S6I-2	2.0	10/29/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S7A-0.5	0.5	10/27/21	ND<17	ND<17	ND<17	ND<17	ND<17	ND<32	--
AOC3-S7A-2	2.0	10/27/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S7B-0.5	0.5	10/27/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<32	--
AOC3-S7B-2	2.0	10/27/21	ND<3.2	ND<3.2	ND<3.2	ND<3.2	ND<3.2	--	--
AOC3-S7C-0.5	0.5	10/27/21	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<33	--
AOC3-S7C-2	2.0	10/27/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3-S7D-0.5	0.5	10/27/21	ND<8.1	ND<8.1	ND<8.1	ND<8.1	ND<8.1	ND<32	--
AOC3-S7D-2	2.0	10/27/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S7E-0.5	0.5	10/28/21	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	--
AOC3-S7E-2	2.0	10/28/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3-S7F-0.5	0.5	10/29/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND<32	--
AOC3-S7F-2	2.0	10/29/21	ND<16	ND<16	ND<16	ND<16	ND<16	--	--
AOC3-S7G-0.5	0.5	10/29/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND<32	--
AOC3-S7G-2	2.0	10/29/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S7H-0.5	0.5	10/29/21	ND<8.4	ND<8.4	ND<8.4	ND<8.4	ND<8.4	ND<33	--
AOC3-S7H-2	2.0	10/29/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S7I-0.5	0.5	10/29/21	ND<32	ND<32	ND<32	ND<32	ND<32	ND<31	--
AOC3-S7I-2	2.0	10/29/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3/AOC10-S8A-0.5	0.5	10/27/21	ND<17	ND<17	ND<17	ND<17	ND<17	3.2 J	ND
AOC3/AOC10-S8A-2	2.0	10/27/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	ND
AOC3/AOC10-S8B-0.5	0.5	10/27/21	ND<8.0	ND<8.0	ND<8.0	ND<8.0	ND<8.0	ND<31	ND
AOC3/AOC10-S8B-2	2.0	10/27/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	ND
AOC3/AOC8-S8C-0.5	0.5	10/27/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<32	ND
AOC3/AOC8-S8C-2	2.0	10/27/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	ND
AOC3-S8D-0.5	0.5	10/27/21	ND<8.4	ND<8.4	ND<8.4	ND<8.4	ND<8.4	5.0 J	--
AOC3-S8D-2	2.0	10/27/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3-S8E-0.5	0.5	10/28/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<31	--
AOC3-S8E-2	2.0	10/28/21	ND<8.4	ND<8.4	ND<8.4	ND<8.4	ND<8.4	--	--
AOC3-S8F-0.5	0.5	10/29/21	ND<17	ND<17	ND<17	ND<17	ND<17	ND<33	--
AOC3-S8F-2	2.0	10/29/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3-S8G-0.5	0.5	10/29/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND<32	--
AOC3-S8G-2	2.0	10/29/21	ND<17	ND<17	ND<17	ND<17	ND<17	--	--
AOC3-S8H-0.5	0.5	10/29/21	ND<32	ND<32	ND<32	ND<32	ND<32	ND<31	--
AOC3-S8H-2	2.0	10/29/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3-S8I-0.5	0.5	10/29/21	ND<32	ND<32	ND<32	ND<32	ND<32	ND<31	--
AOC3-S8I-2	2.0	10/29/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--
AOC3/AOC10-S9C-0.5	0.5	10/27/21	ND<8.3	ND<8.3	ND<8.3	ND<8.3	ND<8.3	ND<32	ND
AOC3/AOC10-S9C-0.5DUP	0.5	10/27/21	ND<8.3	ND<8.3	ND<8.3	ND<8.3	ND<8.3	ND<32	ND
AOC3/AOC10-S9C-2	2.0	10/27/21	ND<16	ND<16	ND<16	ND<16	ND<16	--	ND
AOC3-S9E-0.5	0.5	10/28/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND<32	--
AOC3-S9E-0.5DUP	0.5	10/28/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND<32	--
AOC3-S9E-2	2.0	10/28/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	--	--
AOC3-S9G-0.5	0.5	10/29/21	ND<8.3	ND<8.3	ND<8.3	ND<8.3	ND<8.3	ND<32	--
AOC3-S9G-2	2.0	10/29/21	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	--	--

Table 4 – Soil Analytical Results - OCPs, PCBs, PAHs, and SVOCs

Sample ID	Depth (feet bgs)	Date Collected	4,4'-DDE	4,4'-DDT	cis-Chlordane	Dieldrin	trans-Chlordane	*PCB-1260	SVOCs and PAHs
			µg/kg						
AOC3/AOC8-S9I-0.5	0.5	10/29/21	ND<17	ND<17	ND<17	ND<17	ND<17	ND<33	--
AOC3/AOC8-S9I-0.5DUP	0.5	10/29/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND<31	--
AOC3/AOC8-S9I-2	2.0	10/29/21	ND<3.2	ND<3.2	ND<3.2	ND<3.2	ND<3.2	--	--
AOC5-S7-0.5	0.5	11/16/21	--	--	--	--	--	--	ND
AOC5-S7-2	2.0	11/16/21	--	--	--	--	--	--	ND
AOC6-S9B-4	4.0	11/01/21	--	--	--	--	--	ND<31	--
Screening Criteria									
DTSC SL			2,000	1,900	NE	34	NE	240	Various
EPA RSL					36,000		36,000		

Notes:

-- - not analyzed

NE - not established

bgs – below ground surface

µg/Kg – micrograms per kilogram

ND - not detected at or above the laboratory reporting limit

ND<X – analyte not detected at or above laboratory reporting limit X

OCPs - organochlorine pesticides, analyzed by Environmental Protection Agency (EPA) Method 8081

PCBs - polychlorinated biphenyls, analyzed by EPA Method 8082

PAHs - polycyclic aromatic hydrocarbons analyzed using EPA Method 8270C selective ion measurement (SIM)

SVOC - semivolatile organic compound, analyzed by EPA Method 8270C SIM

* = All other PCBs are not detected above the labratory reporting limit

DTSC SL - Department of Toxic Substances Control Screening Levels, Human Health Risk (HERO), Note 3, Quarterly Update, April 2019 Residential Soil; if cancer endpoint value not available, noncancer endpoint value chosen--if no values, default to EPA Regional Screening Levels, TR=1E-06, HQ=1, November 2018

Bold - indicates concentration exceeds associated DTSC SL and/or EPA RSL

Table 5 – Soil Analytical Results - Dioxins/Furans

Sample ID	Depth (feet bgs)	Date Collected	1,2,3,4,6,7,8-HpCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	2,3,7,8-TCDD	2,3,7,8-TCDF	OCDD	OCDF	Total - TEQ
			(pg/g)														
AOC1-S9A-0.5	0.5	11/01/21	2.6 J	0.38 J	1.1 J	ND<4.8	0.29 J	0.19 J	0.4 J	0.35 J	0.35 J	0.39 J	0.21 J	0.73 J	16	1.6 J	0.69
AOC1-S9A-0.5DUP	0.5	11/01/21	3.1 J	0.35 J	1.1 J	ND<4.9	0.26 J	ND<4.9	0.38 J	0.31 J	0.35 J	0.46 J	ND<0.98	0.84 J	20	1.6 J	0.50
AOC1-S9A-2	2.0	11/01/21	0.33 J	ND<4.7	0.15 J	ND<4.7	0.11 J	0.19 J	0.11 J	0.12 J	ND<4.7	ND<4.7	ND<0.94	ND<0.94	1.7 J	0.54 J	0.087
AOC1/AOC8-S4-0.5	0.5	10/26/21	85	3.6 J	40	2.5 UJ	2.5 J	ND<4.9	5.4	5.0	2.1 J	4.9	2.2	7.0	740	90	9.6
AOC1/AOC8-S4-0.5DUP	0.5	10/26/21	60	2.3 UJ	30	1.8 UJ	3.4 J	ND<4.8	7.6	4.6 J	2.4 J	4.4 J	1.3	4.9	500	62	7.7
AOC1/AOC8-S4-2	2.0	10/26/21	1.4 J	0.17 UJ	0.67 UJ	ND<4.5	ND<4.5	ND<4.5	0.15 J	0.081 J	0.1 J	0.13 J	ND<0.91	0.29 UJ	12	1.2 J	0.16
AOC1/AOC8-S10-0.5	0.5	10/26/21	4.2 UJ	0.9 UJ	1.9 UJ	ND<4.9	0.84 J	ND<4.9	0.85 J	0.54 J	0.48 J	0.71 J	0.16 J	0.82 UJ	15	1.3 J	1.6
AOC1/AOC8-S10-2	2.0	10/26/21	0.62 UJ	ND<4.7	0.22 UJ	ND<4.7	ND<4.7	ND<4.7	ND<4.7	ND<4.7	ND<4.7	ND<4.7	ND<0.93	ND<0.93	3.7 J	0.58 J	0.3
AOC3/AOC8-S1A-0.5	0.5	10/26/21	4.7 UJ	ND<5.0	1.6 UJ	ND<5.0	ND<5.0	ND<5.0	0.79 J	ND<5.0	ND<5.0	ND<5.0	ND<1.0	0.91 UJ	55	2.7 J	0.25
AOC3/AOC8-S1A-2	2.0	10/26/21	0.56 UJ	0.13 UJ	0.14 UJ	0.089 UJ	ND<4.9	ND<4.9	ND<4.9	ND<4.9	0.12 J	ND<4.9	ND<0.97	0.26 UJ	5.3 J	0.47 J	0.074
AOC3/AOC8-S1E-0.5	0.5	10/27/21	2.2 UJ	0.33 UJ	0.68 UJ	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	0.32 J	0.3 J	22	1.7 J	0.48
AOC3/AOC8-S1E-2	2.0	10/27/21	0.42 UJ	ND<4.8	0.2 UJ	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<0.96	0.23 J	2.5 J	0.59 J	0.059
AOC3/AOC8-S2D-0.5	0.5	10/27/21	3.8 UJ	0.72 UJ	1.4 UJ	0.52 J	0.67 J	0.62 J	0.74 J	0.74 J	0.65 J	0.87 J	1.3	1.0	19	2.4 J	2.2
AOC3/AOC8-S2D-2	2.0	10/27/21	0.51 UJ	ND<4.8	0.41 UJ	0.18 J	0.15 J	0.13 J	0.2 J	0.16 J	0.31 J	0.13 J	ND<0.96	0.5 J	2.4 J	0.93 J	0.2
AOC3/AOC8-S3G-0.5	0.5	10/28/21	2.5 J	0.5 J	1.2 J	ND<4.9	0.31 J	0.29 J	0.45 J	0.39 J	0.38 J	0.43 J	ND<0.97	0.94 J	16	1.7 J	0.78
AOC3/AOC8-S3G-2	2.0	10/28/21	0.26 J	ND<4.9	ND<4.9	ND<4.9	ND<4.9	0.14 J	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<0.98	0.23 J	1.0 J	0.21 J	0.068
AOC3/AOC8-S5B-0.5	0.5	10/27/21	1.5 UJ	ND<4.8	0.87 UJ	ND<4.8	0.65 J	ND<4.8	0.51 J	0.36 J	ND<4.8	ND<4.8	ND<0.96	0.61 J	9.0 J	1.0 J	0.33
AOC3/AOC8-S5B-2	2.0	10/27/21	0.35 UJ	ND<4.7	0.21 UJ	0.13 J	ND<4.7	ND<4.7	ND<4.7	ND<4.7	ND<4.7	ND<4.7	ND<0.95	0.24 J	2.4 J	0.45 J	0.069
AOC3/AOC8-S6E-0.5	0.5	10/28/21	3.3 UJ	0.5 UJ	2.3 UJ	0.24 J	0.75 J	0.28 J	1.1 J	0.94 J	0.89 J	1.3 J	0.32 J	1.6	12	1.8 J	1.8
AOC3/AOC8-S6E-2	2.0	10/28/21	0.56 UJ	0.37 UJ	0.5 UJ	0.37 J	0.26 J	0.34 J	0.28 J	0.22 J	0.32 J	0.21 J	ND<0.94	ND<0.94	3.3 J	0.83 J	0.59
AOC3/AOC8-S6H-2	2.0	10/29/21	1.0 J	ND<4.8	0.28 J	ND<4.8	0.077 J	0.17 J	0.09 J	ND<4.8	ND<4.8	ND<4.8	ND<0.96	0.2 J	9.8	0.56 J	0.10
AOC3/AOC8-S8C-0.5	0.5	10/27/21	6 U	1.2 UJ	2.1 UJ	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	1.1 J	ND<0.98	1.3	17	2.4 J	0.67
AOC3/AOC8-S8C-2	2.0	10/27/21	0.3 UJ	0.12 UJ	0.24 UJ	0.12 J	ND<4.7	0.14 J	ND<4.7	ND<4.7	ND<4.7	ND<4.7	ND<0.95	0.16 J	1.6 J	0.39 J	0.077
AOC3/AOC8-S9I-0.5	0.5	10/29/21	3.6 J	0.45 J	1.7 J	0.18 J	0.39 J	0.17 J	0.62 J	0.66 J	0.45 J	0.7 J	ND<0.96	0.89 J	22	1.6 J	0.91
AOC3/AOC8-S9I-0.5DUP	0.5	10/29/21	3.7 J	0.5 J	1.5 J	ND<4.8	0.41 J	0.15 J	0.49 J	0.55 J	0.42 J	0.56 J	ND<0.97	0.84 J	26	1.5 J	0.62
AOC3/AOC8-S9I-2	2.0	10/29/21	0.69 J	ND<5	0.38 J	ND<5	0.14 J	ND<5	0.14 J	0.11 J	ND<5	ND<5	ND<1.0	0.21 J	5.2 J	0.74 J	0.16
AOC5-S7-0.5	0.5	11/16/21	ND<4.8	11.7	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	5.19	ND<4.8	ND<0.48	ND<0.48	ND<24	ND<29	0.156
AOC5-S7-2	2.0	11/16/21	8.76	12.2	ND<5.0	6.39	5.69	5.69	ND<5.0	ND<5.0	5.64	ND<5.0	ND<0.5	ND<0.5	ND<25	ND<30	1.40
AOC5-S7-5	5.0	11/16/21	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<0.49	ND<0.49	ND<24	ND<29	0.000
AOC5-S7-5DUP	5.0	11/16/21	ND<5.0	12.1	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<25	ND<30	0.000
AOC6-S9B-4	4.0	11/01/21	0.45 J	ND<4.8	0.48 J	ND<4.8	0.5 J	0.4 J	0.4 J	0.4 J	ND<4.8	ND<4.8	ND<0.95	0.57 J	1.3 J	0.64 J	0.33
Screening Criteria																	
DTSC SL			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	4.8	NE	NE	NE	NE

Notes:

-- - not analyzed

NE - not established

bgs – below ground surface

pg/g – picograms per gram

TEQ - toxic equivalency value

J - estimated value

ND - not detected

ND<X – analyte not detected at or above laboratory reporting limit X

Dioxins and Furans analyzed by Environmental Protection Agency (EPA) Method 8290A

DTSC SL - Department of Toxic Substances Control Screening Levels, Human Health Risk (HERO), Note 3, Quarterly Update, April 2019 Residential Soil; if cancer endpoint value not available, noncancer endpoint value chosen--if no values, default to EPA Regional Screening Levels, TR=1E-06, HQ=1, November 2018

Bold - indicates concentration exceeds associated DTSC SL and/or EPA RSL

Table 6 – Soil Analytical Results - TPHs and VOCs

Sample ID	Depth (feet bgs)	Date Collected	TPHd	TPHmo	VOCs and TPHg
			mg/Kg		
AOC4-S1-5	5.0	11/01/21	1.3	4.6 J	ND
AOC4-S1-5 DUP	5.0	11/01/21	1.5	5.8	ND
AOC4-S1-10	10.0	11/01/21	0.60 J	ND<5.0	ND
AOC4-S1-15	15.0	11/01/21	ND<0.99	ND<4.9	ND
AOC6-S9B-4	4.0	11/01/21	1.9	7.3	--
AOC9-S2-5	5.0	11/01/21	0.53 J	ND<5.0	ND
AOC9-S2-10	10.0	11/01/21	1.8	6.2	ND
AOC9-SG3-5	5.0	11/01/21	0.84 J	ND<5.0	ND
AOC9-SG3-10	10.0	11/01/21	ND<0.98	ND<4.9	ND
AOC9-SG4-5	5.0	11/01/21	ND<0.98	ND<4.9	ND
AOC9-SG4-10	10.0	11/01/21	0.62 J	ND<4.9	ND
Screening Criteria					
DTSC SL[1]			NE	NE	Various
RWQCB ESLs[2]			260	12,000	NA

Notes:

-- - not analyzed

NE - not established

bgs – below ground surface

mg/Kg – milligrams per kilogram

ND - not detected at or above the laboratory detection limit

ND<X – analyte not detected at or above laboratory reporting limit X

TPH - total petroleum hydrocarbons

TPHd - TPH as diesel, analyzed by Environmental Protection Agency (EPA) Method 8015B

TPHmo - TPH as motor oil, analyzed by EPA Method 8015B

TPHg - TPH as gasoline, analuzed by EPA Method 8260B

VOCs - volatile organic compounds, analyzed by EPA Method 8260B

NA - not apllicable

[1] - DTSC SL - Department of Toxic Substances Control Screening Levels, Human Health Risk (HERO), Note 3, Quarterly Update, April 2019 Residential Soil; if cancer endpoint value not available, noncancer endpoint value chosen--if no values, default to EPA Regional Screening Levels, TR=1E-06, HQ=1, November 2018

[2] - San Francisco Bay Regional Water Quality Control Board (RWQCB) Residential Environmental Screening Levels (ESLs), 2019 (Rev. 2)

Table 7 – Soil Gas Analytical Results

Sample ID	Date Collected	Depth (feet bgs)	VOCs													Fixed Gases			
			Acetone	2-Butanone (Methyl Ethyl Ketone)	Carbon Disulfide	Chloroform	Cyclohexane	cis-1,2-Dichloroethene	Ethanol	Hexane	Total Xylene	2,2,4-Trimethylpentane	2-Propanol	Toluene	All Other VOCs	Helium	Methane	Carbon Dioxide	Oxygen
			µg/m³													(%)			
SG1-5	11/15/21	5.0	ND<25	ND<12	ND<13	**15**	ND<3.6	ND<4.1	ND<20	ND<3.7	ND<4.5	ND<4.8	ND<10	ND<3.9	ND	ND<0.10	ND<0.00021	2.3	18
SG1-5 DUP	11/15/21	5.0	ND<24	ND<12	73 J	**14**	ND<3.6	ND<4.1	ND<20	ND<3.6	ND<4.5	ND<4.8	23	ND<3.9	ND	ND<0.10	ND<0.00021	2.3	18
SG-1-10	11/16/21	10.0	25	ND<11	ND<12	**6.9**	ND<3.3	ND<3.8	ND<18	ND<3.3	ND<4.1	ND<4.4	12	4.9	ND	18	ND<0.00019	0.26	16
SG-1-10	12/03/21	10.0	25	1.3	2.8	**6.9**	NA	ND<2.0	NA	ND<1.8	ND<2.2	NA	ND<12	ND<1.9	ND	0.93 J	--	--	--
SG2-10	11/16/21	10.0	ND<25	ND<13	ND<13	**19**	14	ND<4.2	ND<20	12	ND<4.6	8.7	ND<10	ND<4.0	ND	ND<0.11	0.00061	4.1	3.8
SG3-5	11/16/21	5.0	ND<24	ND<12	ND<12	ND<4.8	ND<3.4	ND<3.9	ND<19	ND<3.5	ND<4.3	ND<4.6	ND<9.7	3.7	ND	ND<0.099	ND<0.00020	0.47	19
SG4-5	11/15/21	5.0	ND<24	ND<12	18	ND<5.0	ND<3.5	ND<4.1	ND<19	ND<3.6	ND<4.4	ND<4.8	18	ND<3.9	ND	ND<0.10	ND<0.00020	0.34	20
SG4-10	11/15/21	10.0	ND<24	ND<12	ND<12	ND<4.9	16	ND<4.0	ND<19	7.4	5.5	22	ND<9.9	7.8	ND	ND<0.10	0.00083	1.5	19
OA-1	11/15/21	NA	140	12	ND<8.5	ND<3.3	ND<2.3	11	39	ND<2.4	ND<3.0	ND<3.2	190	ND<2.6	ND	ND<0.068	0.0003	0.052	21
Screening Criteria																			
DTSC SL (0.001 AF)[1]			32,000,000	5,200,000	730,000	120	6,300,000	8,300	NE	730,000	100,000	NE	210,000	310,000	Various	NA	NA	NA	NA
DTSC SL (0.03 AF)[2]			1,066,667	173,333	24,333	4.0	210,000	277	NE	24,333	3,333	NE	7,000	10,333	Various	NA	NA	NA	NA

Notes:

% - percent

µg/m³ = micrograms per meters cubed

bgs = below ground surface

ND = not detected (see laboratory report for reporting limit)

NA = not analyzed

NE = not established

-- = not analyzed, not applicable, or not available

ND<X = analyte not detected at or above laboratory reporting limit X

Fixed gasses analyzed by American Society for Testing Materials (ASTM) Method D 1946

VOCs - Volatile organic compounds, analyzed by Environmental Protection Agency (EPA) TO-15

1. DTSC SLs - Screening Levels for Residential Ambient Air (SLs calculated by Residential Cancer Endpoint Final Value divided by an attenuation factor of 0.001 [DTSC , 2011]), from the DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3, June 2020. Note: if the SL is not listed in HERO HHRA Note 3, then the SL value is obtained from the United States Environmental Protection Agency Regional Screening Level, May 2021.

Bold - indicates concentration is at or exceeds residential and/or commercial ESL

Table 8 – Metal Ambient and Soil Screening Level Concentration Comparison

Analyte	Maximum Detected Concentration (mg/kg)[1]	Ambient Concentration[2] (mg/kg)	Is Max. > Ambient Conc?	USEPA Soil RSLs (mg/kg)	Note 3 Soil SLs (mg/kg)	Exceeds Soil Screening Levels?	Select as a COPC
Metals							
Antimony	15.00	12.5	Yes	31	na	No	No
Arsenic	45.0	14.20 (site-specific)	**Yes**	0.68	0.11	Yes	**Yes**
Barium	280	320	No	15000	na	No	No
Beryllium	0.700	1.1	No	160	16	No	No
Cadmium	0.81	2.2	No	71	71	No	No
Chromium	51.0	49.4	**Yes**	120000	36000	No	No
Cobalt	13.200	22	No	23	na	No	No
Copper	36.0	53.3	No	3100	na	No	No
Lead	990	25	**Yes**	400	80	Yes	**Yes**
Mercury	0.20	0.3	No	23	1	No	No
Molybdenum	ND	20	No	390	na	No	No
Nickel	38.0	41.5	No	1500	820	No	No
Silver	ND	2.1	No	390	na	No	No
Thallium	ND	25	No	0.78	na	No	No
Vanadium	46.3	88.3	No	390	na	No	No
Zinc	260.0	104	Yes	23000	na	No	No

Notes:

ND - not detected

mg/Kg – milligrams per kilogram

[1] - Maximum concentration from the 0 to 10 foot soil depth below ground surface.

[2] - 95th Percentile soil concentration. Taken from: Hunter, Davis and Roach (2005)

RSL - Regional Screening Level. From Regional Screening Level Table (RSL) Master (EPA, 2021)

Note 3 SLs - Cal-EPA 2020. Human Health Risk Assessment (HHRA) Note Number 3. DTSC-modified Screening Levels. June

na - Not Available

Bold+Shaded Indicates the concentrations which exceeded their respective residential soil screening level; therefore, these metals were selected as chemicals of potential concern (COPCs)

Table 9 – Indoor Air Exposure Point Concentrations

COPC	CAS Number	Maximum Detected Soil Gas Concentration (µg/m3)	Estimated Indoor Chemical Air Concentration (ug/m3)
2-Propanol	78,831.00	23	6.90E-01
2,4,4-Trimethylpentane	25,167,708.0	22	6.60E-01
Acetone	67,641	25	7.50E-01
Carbon Disulfide	75,150.000	73	2.19E+00
Chloroform	67,663.00	19	5.70E-01
Cyclohexane	110,827.0	16	4.80E-01
Hexane	110,543.000	12	3.60E-01
Toluene	108,883.0	7.8	2.34E-01
Xylenes, total	95,476	5.5	1.65E-01

Notes:

COPC - chemical of potential concern

Attenuation factor (unitless) = 0.03

µg/L = micrograms per liter

Table 10 – Exposure Parameters for Onsite Receptors Residential Exposure Scenario

Exposure Parameters	Units	Residential Scenario		
		Adult	Child	Source
Soil Ingestion Rate (IR-S)	mg/day	100	2.00E+02	DTSC 2019
Skin Surface Area (SA)	cm2/day	6032	2.37E+03	DTSC 2019
Skin Adsorption Factor (ABS)	unitless	chem-specific	chem-specific	DTSC 1994/USEPA 1997a
Adherence Factor (AF)	mg/cm2	0.07	2.00E-01	DTSC 2019
Fraction of Soil Exposed (FE)	unitless	1	1.00E+00	DTSC 2019
Inhalation Rate of Air (IR-A)	m3/day	20	1.00E+01	DTSC 2019
Exposure Frequency (EF)	days/year	350	3.50E+02	DTSC 2019
Exposure Frequency (dermal; EFd)	days/year	350	3.50E+02	DTSC 2019
Exposure Duration (ED)	years	20	6.00E+00	DTSC 2019
Exposure Time (ET)	hours/day	24	2.40E+01	USEPA 2009
Conversion Factor (CF)	kg/mg	0.000001	1.00E-06	--
Body Weight (BW)	kg	80	1.50E+01	DTSC 2019
Averaging Time for Noncarcinogens (ATn)	days	7300	2.19E+03	USEPA 1989 (ED*365 dys/yr)
Averaging Hours for Noncarcinogens (ATn)	hours	175200	5.26E+04	USEPA 2009
Averaging Time for Carcinogens (ATc)	days	25550	2.56E+04	USEPA 1989
Averaging Hours for Carcinogens (ATc)	hours	613200	6.13E+05	USEPA 2009

Table 11 – Cumulative Cancer Risks from Multi-Pathway Soil Exposure Residential Exposure Scenario

Analyte	Chronic Oral Reference Dose (RfDo) mg/kg-day		Inhalation Reference Concentration (RfCi) (ug/m^3)		Oral Cancer Slope Factor (CSFo) ($mg/kg-day^{-1}$)		Inhalation Unir Risk (IUR) (mg/kg-day-1)	
Dioxins								
Dioxins (total)	7E-10	IRIS	0.00	OEHHA	130000	OEHHA	3.80E+01	OEHHA
Pesticides								
4,4'-DDE	0.0003	sPPRTV	1.20	Route (sPPRTV)	0.34	OEHHA	9.70E-05	OEHHA
4,4'-DDT	0.0005	IRIS	NA	NA	0.34	IRIS	9.70E-05	IRIS
Chlordane	0.0005	IRIS	0.70	IRIS	0.35	IRIS	1.00E-04	IRIS
Dieldrin	0.00005	IRIS	0.20	Route (IRIS)	16	OEHHA	4.60E-03	OEHHA
PCBs								
PCB-1260	NA	NA	NA	NA	2	IRIS (PCB mixture)	5.71E-04	IRIS (PCB mixture)
TPH								
TPH (C17-C32 aromatic high)	0.04	PPRTV	NA	NA	NA	NA	NA	NA
TPH (C19-C32 aliphatic high)	3	PPRTV	NA	NA	NA	NA	NA	NA
TPH (C9-C16 aromatic medium)	0.004	PPRTV	3.0	PPRTV	NA	NA	NA	NA
TPH (C9-C18 aliphatic medium)	0.01	PPRTV	100.000	PPRTV	NA	NA	NA	NA
VOCs								
2-Propanol	2	PPRTV	200.0	PPRTV	NA	NA	NA	NA
2,4,4-Trimethylpentane	0.01	sPPRTV	40.000	Route (sPPRTV)	NA	NA	NA	NA
Acetone	0.9	IRIS	30,900.0	ATSDR	NA	NA	NA	NA
Carbon Disulfide	0.1	IRIS	700.000	IRIS	NA	NA	NA	NA
Chloroform	0.01	IRIS	98.0	ATSDR	0.031	OEHHA	2.30E-05	IRIS
Cyclohexane	NA	NA	6,000.000	IRIS	NA	NA	NA	NA
Hexane	NA	NA	700.0	IRIS	NA	NA	NA	NA
Toluene	0.08	IRIS	300.000	OEHHA	NA	NA	NA	NA
Xylenes, total	0.2	IRIS	100.0	IRIS	NA	NA	NA	NA

Notes:

NA - not available

mg/kg - milligrams per kilogram

ug/m3 - micrograms per cubic meter

TPH - total petroleum hydrocarbons

4,4'-DDD - dichlorodiphenyldichloroethane

4,4'-DDT - dichlorodiphenyltrichloroethane

PCBs - polychlorinated biphenyls

PPRTV - Provisional Peer-Reviewed Toxicity Values

ATSDR - Agency for Toxic Substances and Disease Registry

OEHHA - California Office of Environmental Health Hazard Assessment

IRIS - Integrated Risk Information System

Table 12 – Cumulative Cancer Risks and Health Hazards from Multipathway Soil Exposure Residential Exposure Scenario

Analyte	Max soil concentrations (mg/kg)	Residential Cancer Risk - Adult & Child Resident				Residential Noncancer Hazard - Child Resident			
		Ingestion	Dermal	Inhalation	Total Risk	Ingestion	Dermal	Inhalation	Total HI
Dioxins									
Dioxins (total)	9.60E-06	2.E-06	2.E-07	1.E-10	2.E-06	2.E-01	1.E-02	2.E-07	2.E-01
Pesticides									
4,4'-DDE	0.015	7.E-09	2.E-09	4.E-13	9.E-09	6.E-04	2.E-04	9.E-09	8.E-04
4,4'-DDT	0.031	2.E-08	1.E-09	8.E-13	2.E-08	8.E-04	6.E-05	NA	8.E-04
Chlordane	0.095	5.E-08	1.E-08	2.E-12	6.E-08	2.E-03	6.E-04	1.E-07	3.E-03
Dieldrin	0.045	1.E-06	3.E-07	5.E-11	1.E-06	1.E-02	3.E-03	2.E-07	1.E-02
PCBs									
PCB-1260	0.043	1.E-07	3.E-08	6.E-12	2.E-07	NA	NA	NA	--
TPH									
TPH (C17-C32 aromatic high)	3.65	NA	NA	NA	--	1.E-03	3.E-04	NA	1.E-03
TPH (C19-C32 aliphatic high)	3.65	NA	NA	NA	--	2.E-05	4.E-06	NA	2.E-05
TPH (C9-C16 aromatic medium)	0.95	NA	NA	NA	--	3.E-03	7.E-04	2.E-07	4.E-03
TPH (C9-C18 aliphatic medium)	0.95	NA	NA	NA	--	1.E-03	3.E-04	7.E-09	2.E-03
				Total Cancer Risk	**4.00E-06**			**Total Hazard Index**	**2.13E-01**

Notes:

NA - not applicable

-- = not available

TPH - total petroleum hydrocarbons

PCBs - polychlorinated biphenyls

Table 13 – Cancer Risks and Health Hazards from Inhalation of Indoor Air

Analyte	Concentrations[1] (µg/m^3)	Cancer Risks- Residential Exposure Scenario				Health Hazards - Residential Exposure Scenario			
		Inhalation Slope Factor (µg/m^3)$^{-1}$	Lifetime Expossure Conc_c (µg/m3)		Cancer Risk (unitless)	Inhalation Reference Dose (µg/m^3)	Average Expossure Conc_c (µg/m3)		Hazard Quotient (unitless)
			Adult Resident	Child Resident	Adult & Child		Adult Resident	Child Resident	Child
VOCs									
2-Propanol	6.90E-01	NA	1.9E-01	5.7E-02	NA	2.E+02	7.E-01	7.E-01	3.E-03
2,4,4-Trimethylpentane	6.60E-01	NA	1.8E-01	5.4E-02	NA	4.E+01	6.E-01	6.E-01	2.E-02
Acetone	7.50E-01	NA	2.1E-01	6.2E-02	NA	3.E+04	7.E-01	7.E-01	2.E-05
Carbon Disulfide	2.19E+00	NA	6.0E-01	1.8E-01	NA	7.E+02	2.E+00	2.E+00	3.E-03
Chloroform	5.70E-01	2.30E-05	1.6E-01	4.7E-02	5.E-06	1.E+02	5.E-01	5.E-01	6.E-03
Cyclohexane	4.80E-01	NA	1.3E-01	3.9E-02	NA	6.E+03	5.E-01	5.E-01	8.E-05
Hexane	3.60E-01	NA	9.9E-02	3.0E-02	NA	7.E+02	3.E-01	3.E-01	5.E-04
Toluene	2.34E-01	NA	6.4E-02	1.9E-02	NA	3.E+02	2.E-01	2.E-01	7.E-04
Xylenes, total	1.65E-01	NA	4.5E-02	1.4E-02	NA	1.E+02	2.E-01	2.E-01	2.E-03
				Total Cancer Risk	**5.E-06**			**Total Hazard Index**	**3.E-02**

Notes:

NA - not applicable

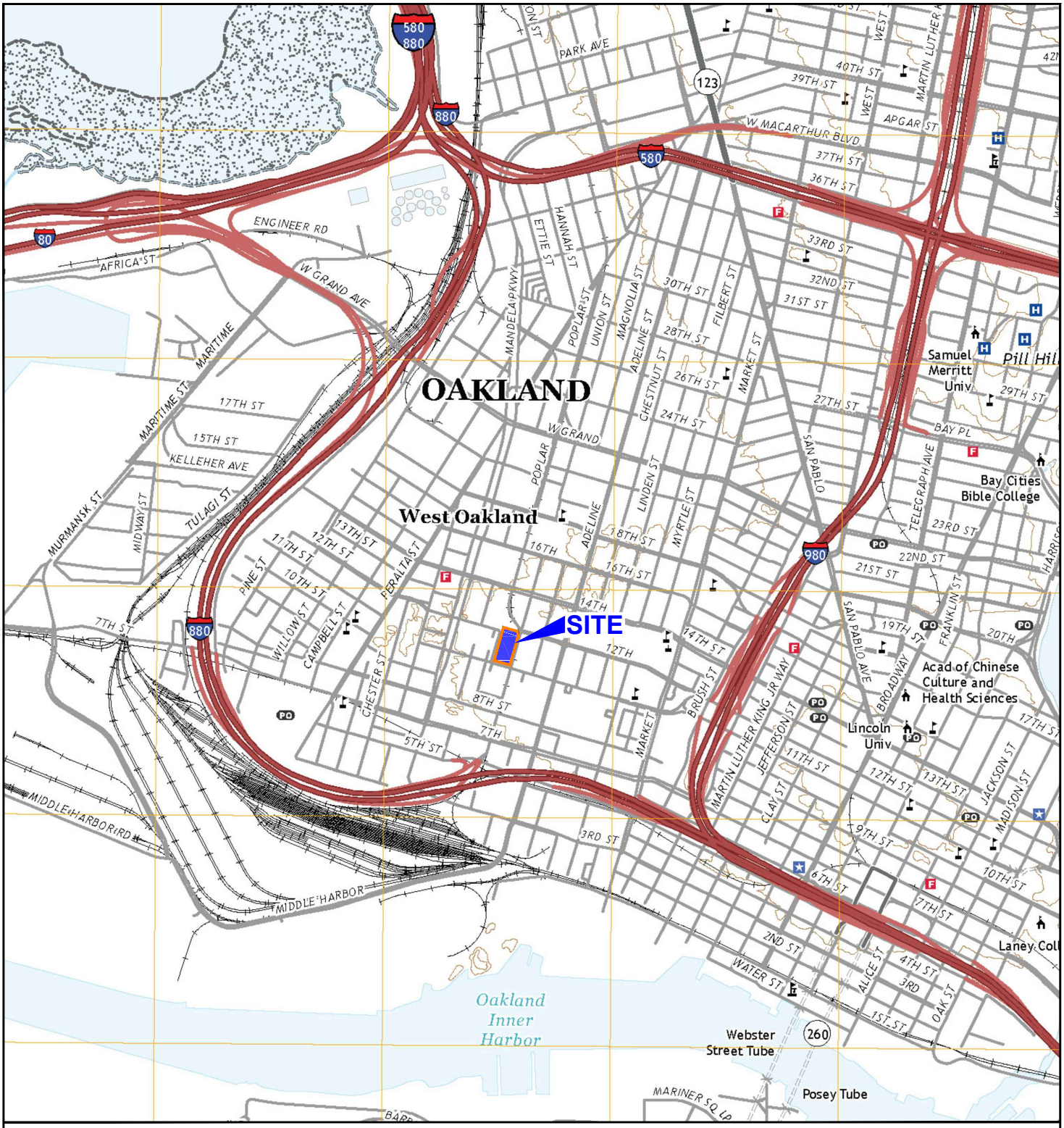
VOCs – volatile organic compounds

µg/m^3 – micrograms per cubic meter

[1] - The maximum concentrations detected in soil vapor probes, also known as the exposure point concentration (EPC).

Estimated Using a Default Attenuation Factor of 0.03

FIGURES



403668001.dwg 12/15/2021 AEK

NOTE: DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE I REFERENCE: USGS, 2018

N

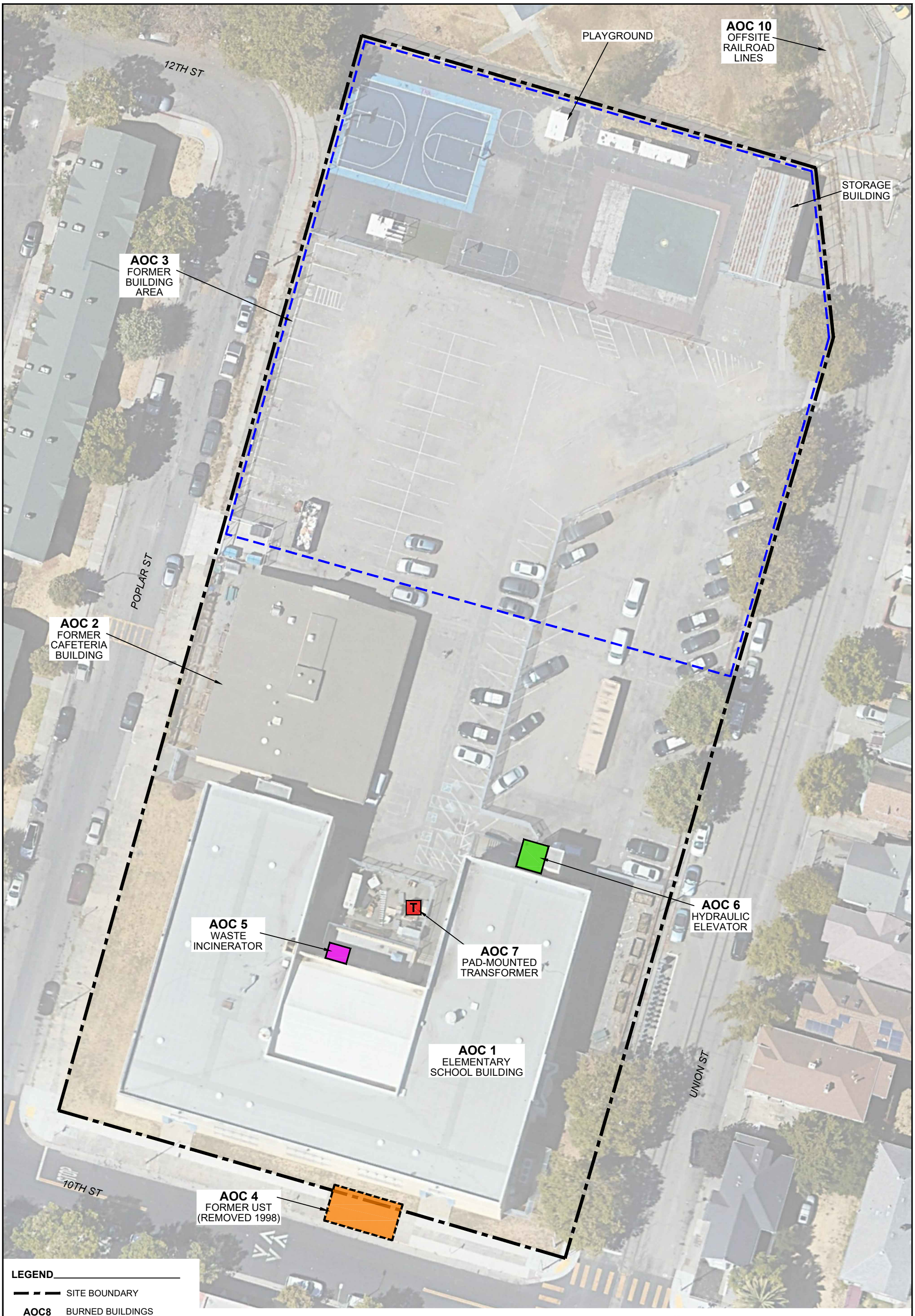
SCALE (FEET)
0 2,000 4,000

FIGURE 1

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

SITE LOCATION

PRELIMINARY ENDANGERMENT ASSESSMENT
1011 UNION STREET
OAKLAND, CALIFORNIA
403668001 I 12/21



NOTE: DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE
REFERENCE: SANBORN, 1902, 1911; GOOGLE EARTH, 2021

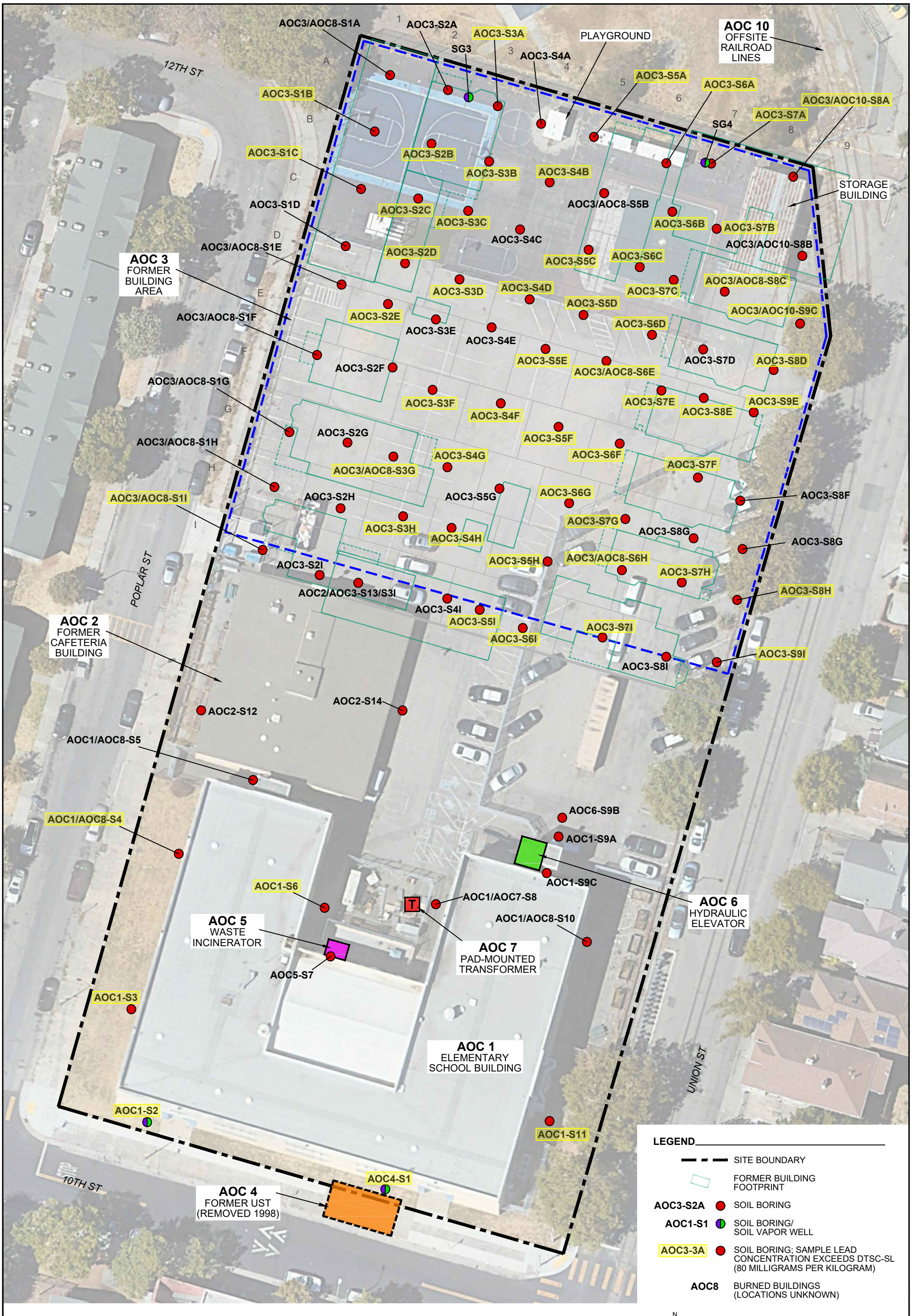
403668001.dwg 12/20/2021 AEK

FIGURE 2

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

SITE PLAN

PRELIMINARY ENDANGERMENT ASSESSMENT
1011 UNION STREET
OAKLAND, CALIFORNIA
403668001 I 12/21



NOTE: DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE
REFERENCE: SANBORN FIRE MAPS, 1902, 1911; GOOGLE EARTH, 2021

403668001.dwg 12/28/2021 AEK

FIGURE 3

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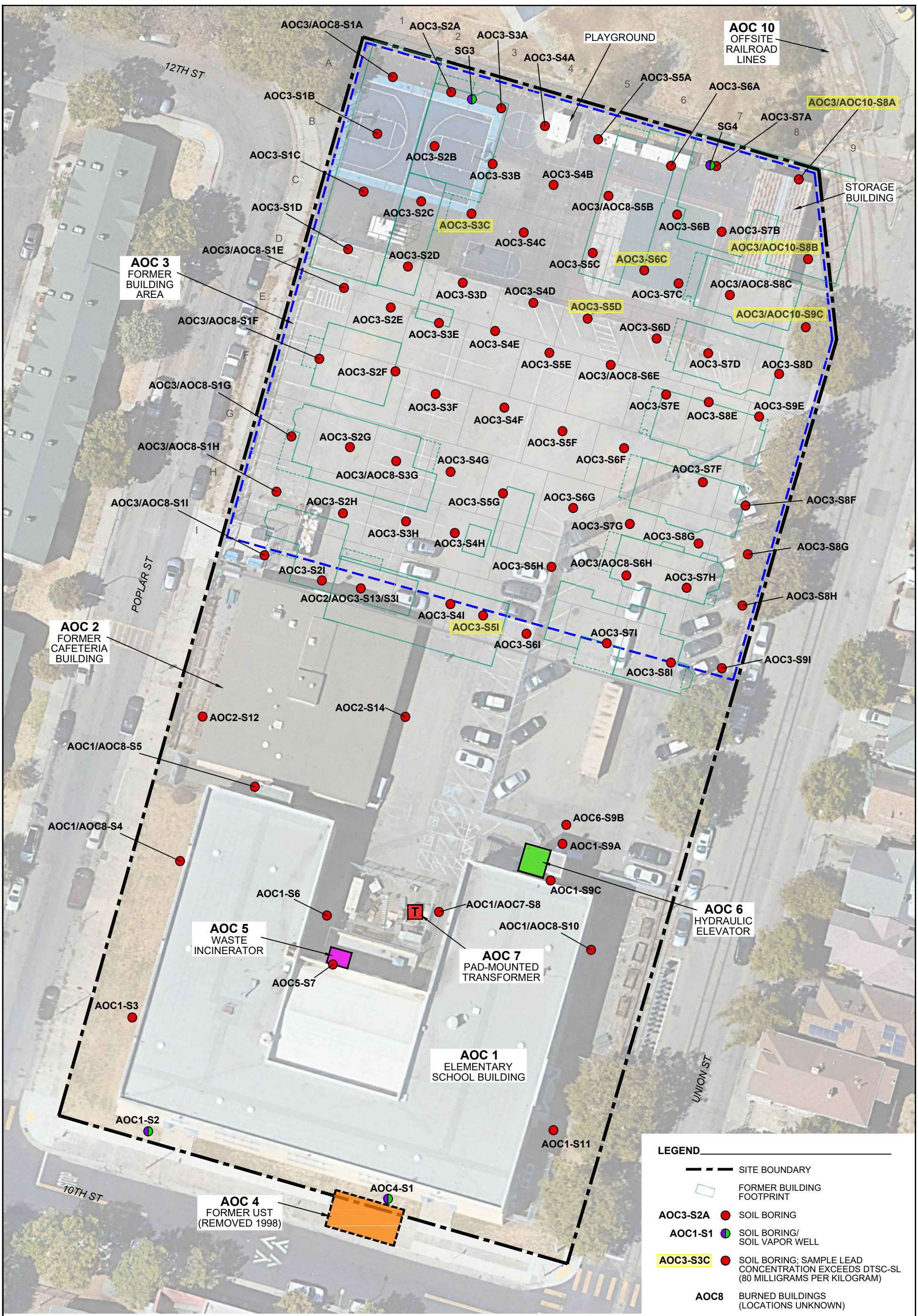
SOIL LEAD EXCEEDANCES - 0.5 FEET BGS

PRELIMINARY ENDANGERMENT ASSESSMENT
1011 UNION STREET
OAKLAND, CALIFORNIA
403668001 I 12/21



NOTE: DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE
REFERENCE: SANBORN FIRE MAPS, 1902, 1911; GOOGLE EARTH, 2021

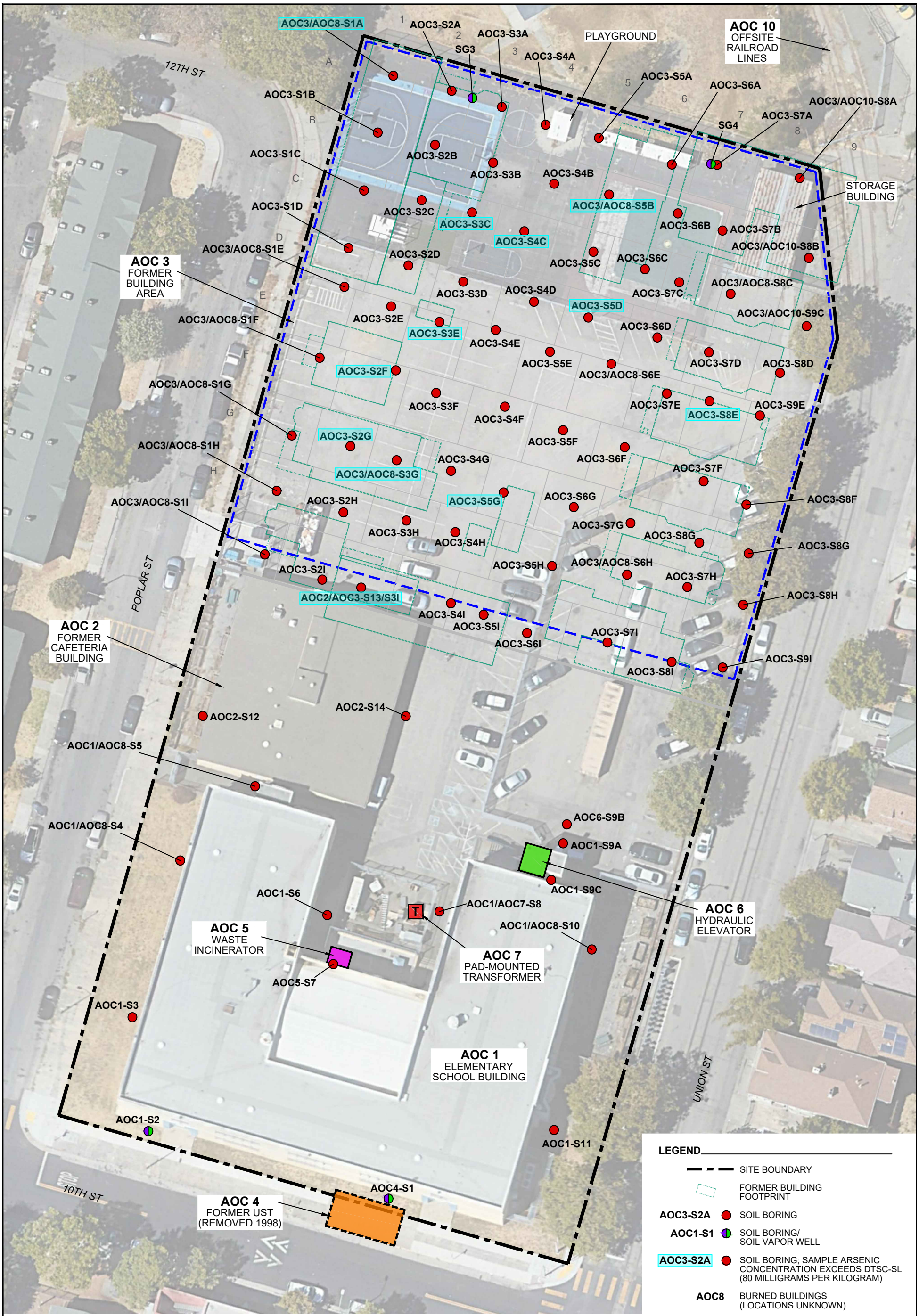
403668001.dwg 12/28/2021 AEK

FIGURE 4

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

SOIL LEAD EXCEEDANCES - 2.0 FEET BGS

PRELIMINARY ENDANGERMENT ASSESSMENT
1011 UNION STREET
OAKLAND, CALIFORNIA
403668001 I 12/21



NOTE: DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE
REFERENCE: SANBORN FIRE MAPS, 1902, 1911; GOOGLE EARTH, 2021

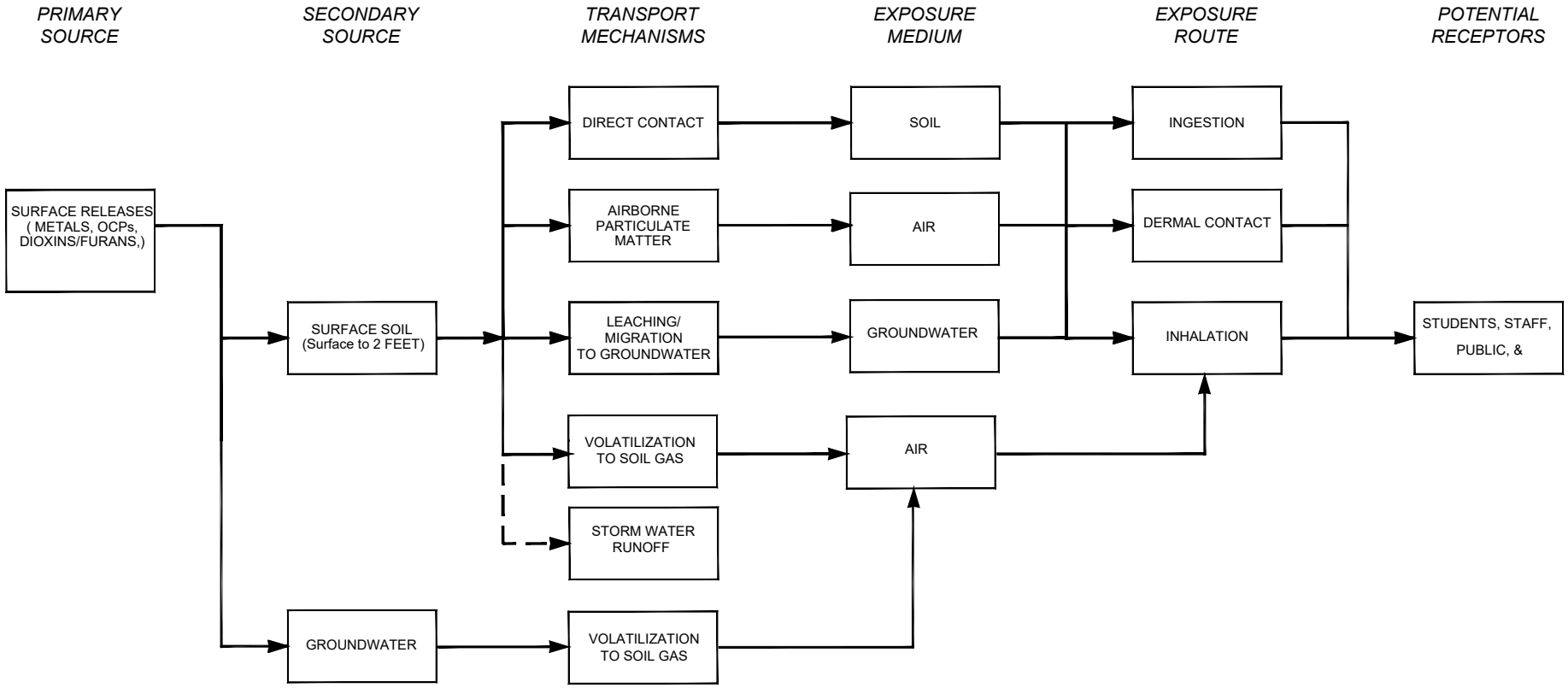
403668001.dwg 12/28/2021 AEK

FIGURE 5

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

SOIL ARSENIC EXCEEDANCES - 0.5 FEET BGS

PRELIMINARY ENDANGERMENT ASSESSMENT
1011 UNION STREET
OAKLAND, CALIFORNIA
403668001 I 12/21



LEGEND

POTENIALLY COMPLETE PATHWAY — INCOMPLETE PATHWAY

PAHs POLYCYCLIC AROMATIC HYDROCARBONS
PCBs POLYCHLORINATED BIPHENYLS
VOCs VOLATILE ORGANIC COMPOUNDS
TPHmo TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL
TPHd TOTAL PETROLEUM HYDROCARBONS AS DIESEL

REFERENCE: DEPARTMENT OF TOXIC SUBSTANCES CONTROL, 1994 (REVISED OCTOBER 2015), PRELIMINARY ENDANGERMENT ASSESSMENT GUIDANCE MANUAL

403369002.dwg 10/18/2019 AEK

FIGURE 6

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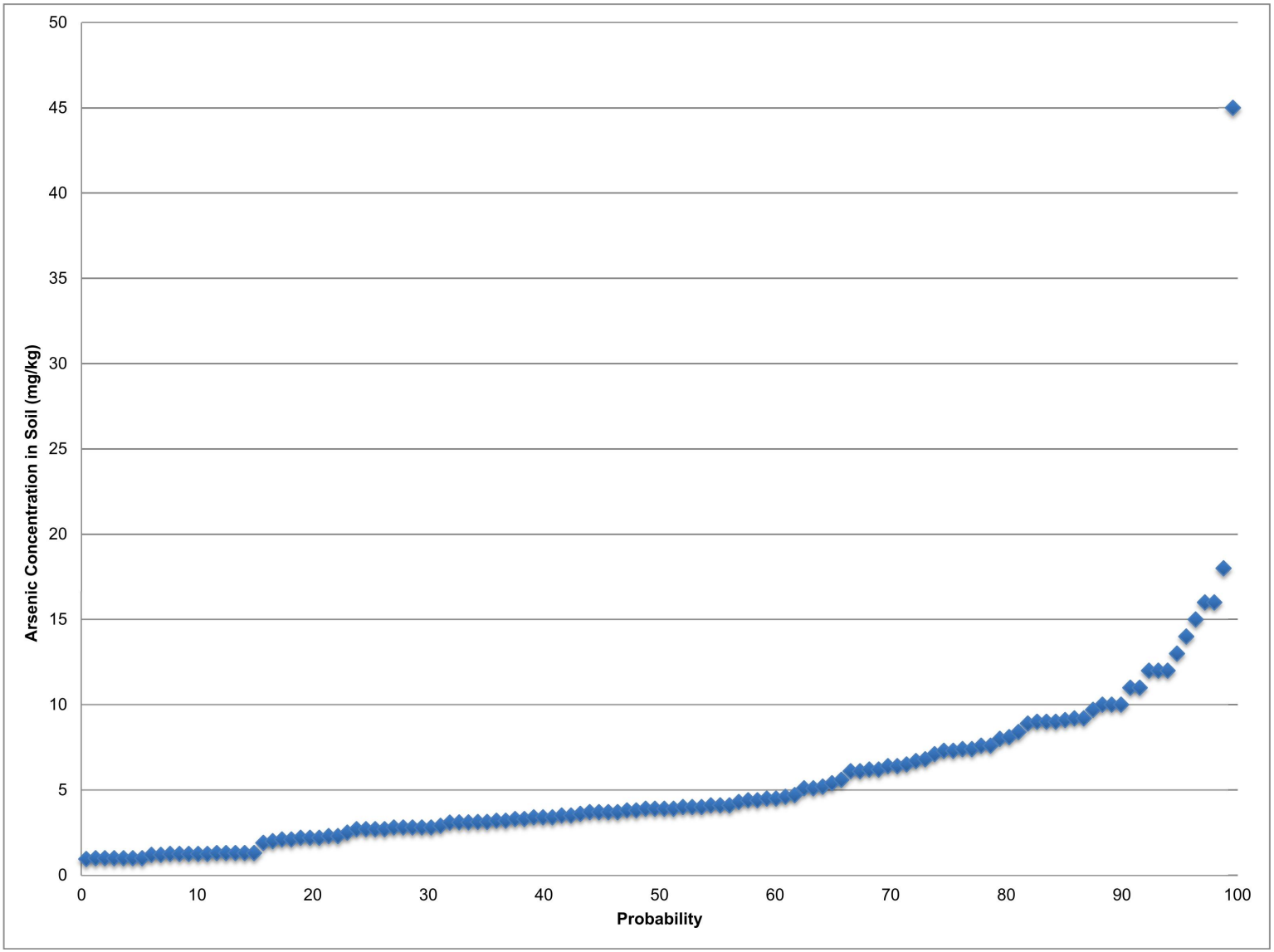
CONCEPTUAL SITE MODEL

PEA REPORT
1011 UNION ST
OAKLAND, CALIFORNIA
403668001 I 12/21



403668001.dwg 12/27/2021 AEK

FIGURE 7

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ARSENIC PROBABILITY PLOT

PRELIMINARY ENDANGERMENT ASSESSMENT
1011 UNION STREET
OAKLAND, CALIFORNIA
403668001 I 12/21

APPENDIX A

Boring Logs

DATE DRILLED 11/01/2021 BORING NO. SG1

GROUND ELEVATION _____ SHEET 1 OF 1

DRILLING METHOD Hand auger to 5', DPT to 15'

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DNR LOGGED BY DNR REVIEWED BY BSW

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE ID	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		AOC1-S1-0.5			0.0		SM	Brown, moist, loose, silty SAND with clay; fine to coarse sand.
	■		AOC4-S1-2						
5	■		AOC4-S1-5			0.0		SC	Brown, moist, loose, clayey SAND with silt; fine to coarse sand.
10	■		AOC4-S1-10			0.0			@11': Wet.
15	■		AOC4-S1-15						Bottom of boring at 15'. Groundwater not encountered during drilling on 11/01/2021. Soil vapor well AOC4-S1 constructed on 11/01/2021.
20									

FIGURE B-1

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

PRELIMINARY ENDANGERMENT ASSESSMENT
1011 UNION STREET, OAKLAND, CALIFORNIA
403668001 | 12/21

DATE DRILLED 11/01/2021 BORING NO. SG2

GROUND ELEVATION _____ SHEET 1 OF 1

DRILLING METHOD Hand auger to 5', DPT to 10.5'

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DNR LOGGED BY DNR REVIEWED BY BSW

DEPTH (feet)	SAMPLES: Bulk	SAMPLES: Driven	SAMPLE ID	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		AOC1-S2-0.5			0.0		SM	Brown, moist, loose, silty SAND with clay; fine to coarse sand.
	■		AOC1-S2-2						
5	■		AOC9-S2-5			0.0		SC	Brown, moist, loose, clayey SAND with silt; fine to coarse sand.
						0.0			
10	■		AOC9-S2-10						Bottom of boring at 10.5'. Groundwater not encountered during drilling on 11/01/2021. Soil vapor well AOC1-S2 constructed on 11/01/2021.
15									
20									

FIGURE B-2

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

PRELIMINARY ENDANGERMENT ASSESSMENT
1011 UNION STREET, OAKLAND, CALIFORNIA
403668001 | 12/21

DATE DRILLED 11/01/2021 BORING NO. SG3

GROUND ELEVATION _____ SHEET 1 OF 1

DRILLING METHOD Hand auger to 5', DPT to 10.5'

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DNR LOGGED BY DNR REVIEWED BY BSW

DEPTH (feet)	SAMPLES: Bulk	SAMPLES: Driven	SAMPLE ID	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0.0		SW	1" Asphalt. Light brown, moist, loose, well-graded SAND with gravel; fine to coarse sand; fine to medium gravel.
								SM	Brown, moist, loose, silty SAND; fine to coarse sand.
5	■		AOC9-SG3-5			0.0			Brown, moist, loose, silty SAND with clay; fine to coarse sand.
10	■		AOC9-SG3-10						Bottom of boring at 10.5'. Groundwater not encountered during drilling on 11/01/2021. Soil vapor well SG3 constructed on 11/01/2021.
15									
20									

FIGURE B-3

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

PRELIMINARY ENDANGERMENT ASSESSMENT
1011 UNION STREET, OAKLAND, CALIFORNIA
403668001 | 12/21

DATE DRILLED 11/01/2021 BORING NO. SG4

GROUND ELEVATION _____ SHEET 1 OF 1

DRILLING METHOD Hand auger to 5', DPT to 10.5'

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DNR LOGGED BY DNR REVIEWED BY BSW

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE ID	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SW	1" Asphalt. Light brown, moist, loose, well-graded SAND with gravel; fine to coarse sand; fine gravel.
						0.0		SM	Brown, moist, loose, silty SAND; fine to coarse sand.
5			AOC9-SG4-5			0.0			Brown, moist, loose, silty SAND with clay; fine to coarse sand.
10			AOC9-SG4-10						Bottom of boring at 10.5'. Groundwater not encountered during drilling on 11/01/2021. Soil vapor well SG4 constructed on 11/01/2021.
15									
20									

FIGURE B-4

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

PRELIMINARY ENDANGERMENT ASSESSMENT
1011 UNION STREET, OAKLAND, CALIFORNIA
403668001 | 12/21

APPENDIX B

Laboratory Reports – Soil Groundwater and Soil Gas

Ninyo & Moore
2020 Challenger Drive, Suite 103
Alameda, California 94501
Tel: 510-343-3000

RE: Cole Administration Building

Work Order No.: 2111198

Dear Nathan Diem:

Torrent Laboratory, Inc. received 5 sample(s) on November 17, 2021 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991 If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Kathie Evans
Project Manager

December 02, 2021
Date

Date: 12/2/2021

Client: Ninyo & Moore

Project: Cole Administration Building

Work Order: 2111198

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.

Analytical Comments for method 8290, Method Blank, Note: Cleanup standard recovery bias high. All compounds are ND. Cleanup standard recoveries were within range for the client samples. No corrective action required.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Nathan Diem
Ninyo & Moore

Date Received: 11/17/21
Date Reported: 12/02/21

AOC5-S7-0.5 2111198-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	3.09	mg/Kg
Barium	SW6010B	1	0.055	5.00	80.0	mg/Kg
Chromium	SW6010B	1	0.075	5.00	29.0	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	13.2	mg/Kg
Copper	SW6010B	1	0.20	5.00	16.3	mg/Kg
Lead	SW6010B	1	0.10	3.00	26.5	mg/Kg
Nickel	SW6010B	1	0.50	5.00	25.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	24.1	mg/Kg
Zinc	SW6010B	1	0.30	5.00	27.7	mg/Kg
12378-PeCDF	SW8290	1	0.99	4.8	5.19	pg/g
123789-HxCDD	SW8290	1	3.1	4.8	11.7	pg/g
Total-Furans	SW8290	1	0.21	0.48	5.21	pg/g
Total-TEQ	SW8290	1			0.156	pg/g

AOC5-S7-2.0 2111198-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	2.80	mg/Kg
Barium	SW6010B	1	0.055	5.00	47.9	mg/Kg
Chromium	SW6010B	1	0.075	5.00	43.5	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	5.65	mg/Kg
Copper	SW6010B	1	0.20	5.00	7.85	mg/Kg
Nickel	SW6010B	1	0.50	5.00	38.8	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	29.3	mg/Kg
Zinc	SW6010B	1	0.30	5.00	21.4	mg/Kg
12378-PeCDF	SW8290	1	1.0	5.0	5.64	pg/g
123478-HxCDF	SW8290	1	0.50	5.0	5.69	pg/g
123789-HxCDF	SW8290	1	1.9	5.0	5.69	pg/g
1234789-HpCDF	SW8290	1	1.1	5.0	6.39	pg/g
123789-HxCDD	SW8290	1	3.2	5.0	12.2	pg/g
1234678-HpCDD	SW8290	1	1.6	5.0	8.76	pg/g
Total-Dioxins	SW8290	1	0.21	0.50	8.76	pg/g
Total-Furans	SW8290	1	0.22	0.50	17.0	pg/g
Total-TEQ	SW8290	1			1.40	pg/g

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Nathan Diem
Ninyo & Moore

Date Received: 11/17/21
Date Reported: 12/02/21

AOC5-S7-5.0 2111198-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	3.13	mg/Kg
Barium	SW6010B	1	0.055	5.00	55.0	mg/Kg
Chromium	SW6010B	1	0.075	5.00	39.7	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	6.10	mg/Kg
Copper	SW6010B	1	0.20	5.00	8.65	mg/Kg
Nickel	SW6010B	1	0.50	5.00	35.1	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	30.2	mg/Kg
Zinc	SW6010B	1	0.30	5.00	22.7	mg/Kg
Total-TEQ	SW8290	1			0.000	pg/g

AOC5-S7-5.0 Dup 2111198-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	3.12	mg/Kg
Barium	SW6010B	1	0.055	5.00	58.5	mg/Kg
Chromium	SW6010B	1	0.075	5.00	40.9	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	6.20	mg/Kg
Copper	SW6010B	1	0.20	5.00	9.40	mg/Kg
Lead	SW6010B	1	0.10	3.00	3.06	mg/Kg
Nickel	SW6010B	1	0.50	5.00	36.7	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	31.6	mg/Kg
Zinc	SW6010B	1	0.30	5.00	24.5	mg/Kg
123789-HxCDD	SW8290	1	3.2	5.0	12.1	pg/g
Total-TEQ	SW8290	1			0.000	pg/g

EB11162021 2111198-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Total-TEQ	SW8290	1	0.0002	0.014	<0.0140	pg/L

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-0.5	**Lab Sample ID:**	2111198-001A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 9:57		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	11/27/21 10:40:00AM
Prep Batch ID:	1137236	**Prep Analyst:**	ERVS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	11/29/21	14:14	BJAY	461738

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-0.5	**Lab Sample ID:**	2111198-001A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 9:57		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	11/27/21 10:00:00AM
Prep Batch ID:	1137280	**Prep Analyst:**	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	11/30/21	13:06	ERR	461787
Arsenic	SW6010B	1	0.15	1.30	**3.09**		mg/Kg	11/30/21	13:06	ERR	461787
Barium	SW6010B	1	0.055	5.00	**80.0**		mg/Kg	11/30/21	13:06	ERR	461787
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	11/30/21	13:06	ERR	461787
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	11/30/21	13:06	ERR	461787
Chromium	SW6010B	1	0.075	5.00	**29.0**		mg/Kg	11/30/21	13:06	ERR	461787
Cobalt	SW6010B	1	0.070	5.00	**13.2**		mg/Kg	11/30/21	13:06	ERR	461787
Copper	SW6010B	1	0.20	5.00	**16.3**		mg/Kg	11/30/21	13:06	ERR	461787
Lead	SW6010B	1	0.10	3.00	**26.5**		mg/Kg	11/30/21	13:06	ERR	461787
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	11/30/21	13:06	ERR	461787
Nickel	SW6010B	1	0.50	5.00	**25.0**		mg/Kg	11/30/21	13:06	ERR	461787
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/30/21	13:06	ERR	461787
Silver	SW6010B	1	0.15	1.00	ND		mg/Kg	11/30/21	13:06	ERR	461787
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	11/30/21	13:06	ERR	461787
Vanadium	SW6010B	1	0.10	5.00	**24.1**		mg/Kg	11/30/21	13:06	ERR	461787
Zinc	SW6010B	1	0.30	5.00	**27.7**		mg/Kg	11/30/21	13:06	ERR	461787

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-0.5	**Lab Sample ID:**	2111198-001A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 9:57		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	11/19/21 10:35:00AM
Prep Batch ID:	1137022	**Prep Analyst:**	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
N-Nitrosodimethylamine	SW8270C	10	1300	20000	ND		ug/Kg	11/20/21	22:55	MT	461558
Phenol	SW8270C	10	1220	8000	ND		ug/Kg	11/20/21	22:55	MT	461558
Bis(2-chloroethyl)ether	SW8270C	10	369	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
2-Chlorophenol	SW8270C	10	1320	8000	ND		ug/Kg	11/20/21	22:55	MT	461558
1,3-Dichlorobenzene	SW8270C	10	365	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
1,4-Dichlorobenzene	SW8270C	10	406	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Benzyl Alcohol	SW8270C	10	568	8000	ND		ug/Kg	11/20/21	22:55	MT	461558
1,2-Dichlorobenzene	SW8270C	10	375	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
2-Methylphenol (o-Cresol)	SW8270C	10	815	8000	ND		ug/Kg	11/20/21	22:55	MT	461558
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	10	1890	20000	ND		ug/Kg	11/20/21	22:55	MT	461558
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	10	870	8000	ND		ug/Kg	11/20/21	22:55	MT	461558
N-nitroso-di-n-propylamine	SW8270C	10	365	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Hexachloroethane	SW8270C	10	474	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Nitrobenzene	SW8270C	10	357	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Isophorone	SW8270C	10	338	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
2-Nitrophenol	SW8270C	10	705	8000	ND		ug/Kg	11/20/21	22:55	MT	461558
2,4-Dimethylphenol	SW8270C	10	634	8000	ND		ug/Kg	11/20/21	22:55	MT	461558
Benzoic Acid	SW8270C	10	1160	8000	ND		ug/Kg	11/20/21	22:55	MT	461558
Bis(2-Chloroethoxy)methane	SW8270C	10	272	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Bis(2-chloroisopropyl)ether	SW8270C	10	350	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
2,4-Dichlorophenol	SW8270C	10	1090	8000	ND		ug/Kg	11/20/21	22:55	MT	461558
1,2,4-Trichlorobenzene	SW8270C	10	329	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Naphthalene	SW8270C	10	294	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
2,6-Dichlorophenol	SW8270C	10	994	8000	ND		ug/Kg	11/20/21	22:55	MT	461558
Hexachloro-1,3-butadiene	SW8270C	10	232	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
4-Chloro-3-methylphenol	SW8270C	10	939	8000	ND		ug/Kg	11/20/21	22:55	MT	461558
2-Methylnaphthalene	SW8270C	10	290	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
1-Methylnaphthalene	SW8270C	10	339	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Hexachlorocyclopentadiene	SW8270C	10	360	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
2,4,6-Trichlorophenol	SW8270C	10	999	8000	ND		ug/Kg	11/20/21	22:55	MT	461558
2,4,5-Trichlorophenol	SW8270C	10	928	8000	ND		ug/Kg	11/20/21	22:55	MT	461558
2-Chloronaphthalene	SW8270C	10	295	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
1,4-Dinitrobenzene	SW8270C	10	287	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Dimethyl phthalate	SW8270C	10	393	20000	ND		ug/Kg	11/20/21	22:55	MT	461558
1,3-Dinitrobenzene	SW8270C	10	289	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Acenaphthylene	SW8270C	10	230	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
2,6-Dinitrotoluene	SW8270C	10	314	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
1,2-Dinitrobenzene	SW8270C	10	438	4000	ND		ug/Kg	11/20/21	22:55	MT	461558

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-0.5	**Lab Sample ID:**	2111198-001A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 9:57		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	11/19/21 10:35:00AM
Prep Batch ID:	1137022	**Prep Analyst:**	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Acenaphthene	SW8270C	10	296	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
2,4-Dinitrophenol	SW8270C	10	2150	20000	ND		ug/Kg	11/20/21	22:55	MT	461558
4-Nitrophenol	SW8270C	10	1520	20000	ND		ug/Kg	11/20/21	22:55	MT	461558
Dibenzofuran	SW8270C	10	312	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
2,4-Dinitrotoluene	SW8270C	10	336	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
2,3,5,6-Tetrachlorophenol	SW8270C	10	766	8000	ND		ug/Kg	11/20/21	22:55	MT	461558
2,3,4,6-Tetrachlorophenol	SW8270C	10	874	8000	ND		ug/Kg	11/20/21	22:55	MT	461558
Diethylphthalate	SW8270C	10	379	20000	ND		ug/Kg	11/20/21	22:55	MT	461558
Fluorene	SW8270C	10	286	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
4-Chlorophenyl-phenylether	SW8270C	10	259	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
4,6-Dinitro-2-methylphenol	SW8270C	10	372	8000	ND		ug/Kg	11/20/21	22:55	MT	461558
Diphenylamine	SW8270C	10	362	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Azobenzene	SW8270C	10	3160	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
4-Bromophenyl-phenylether	SW8270C	10	229	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Hexachlorobenzene	SW8270C	10	240	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Pentachlorophenol	SW8270C	10	694	8000	ND		ug/Kg	11/20/21	22:55	MT	461558
Phenanthrene	SW8270C	10	259	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Anthracene	SW8270C	10	248	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Carbazole	SW8270C	10	298	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Di-n-butylphthalate	SW8270C	10	375	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Fluoranthene	SW8270C	10	278	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Benzidine	SW8270C	10	4080	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Pyrene	SW8270C	10	332	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Butylbenzylphthalate	SW8270C	10	584	20000	ND		ug/Kg	11/20/21	22:55	MT	461558
Benzo(a)anthracene	SW8270C	10	272	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
3,3-Dichlorobenzidine	SW8270C	10	3270	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Chrysene	SW8270C	10	421	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Bis(2-Ethylhexyl)phthalate	SW8270C	10	426	20000	ND		ug/Kg	11/20/21	22:55	MT	461558
Di-n-Octylphthalate	SW8270C	10	341	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Benzo(b)fluorathene	SW8270C	10	334	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
benzo(k)fluorathene	SW8270C	10	227	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Benzo(a)pyrene	SW8270C	10	272	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Indeno(1,2,3-c,d)pyrene	SW8270C	10	383	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Dibenzo(a,h)anthracene	SW8270C	10	353	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Benzo(g,h,i)perylene	SW8270C	10	463	4000	ND		ug/Kg	11/20/21	22:55	MT	461558
Pyridine	SW8270C	10	1220	20000	ND		ug/Kg	11/20/21	22:55	MT	461558
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**0.000**	D	%	11/20/21	22:55	MT	461558

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-0.5	**Lab Sample ID:**	2111198-001A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 9:57		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	11/19/21 10:35:00AM
Prep Batch ID:	1137022	**Prep Analyst:**	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Phenol-d6 (S)	SW8270C		24 - 113		**0.000**	D	%	11/20/21	22:55	MT	461558
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**0.000**	D	%	11/20/21	22:55	MT	461558
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**0.000**	D	%	11/20/21	22:55	MT	461558
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**0.000**	D	%	11/20/21	22:55	MT	461558
p-Terphenyl-d14 (S)	SW8270C		18 - 137		**0.000**	D	%	11/20/21	22:55	MT	461558

NOTE: In an effort to minimize matrix interference, the solvent final volume to sample mass ratio had to be increased resulting in elevated reporting limits. The sample was further diluted due to the nature of the extract (dark and viscous).

Prep Method:	8290S-P	**Prep Batch Date/Time:**	11/13/21 8:31:00AM
Prep Batch ID:	1137060	**Prep Analyst:**	LATZN
		Units:	pg/g

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
2378-TCDF	SW8290	1	0.21	0.48	ND		pg/g	11/23/21	3:14	TT	461813
12378-PeCDF	SW8290	1	0.99	4.8	**5.19**		pg/g	11/23/21	3:14	TT	461813
23478-PeCDF	SW8290	1	0.65	4.8	ND		pg/g	11/23/21	3:14	TT	461813
123478-HxCDF	SW8290	1	0.49	4.8	ND		pg/g	11/23/21	3:14	TT	461813
123678-HxCDF	SW8290	1	1.1	4.8	ND		pg/g	11/23/21	3:14	TT	461813
234678-HxCDF	SW8290	1	1.4	4.8	ND		pg/g	11/23/21	3:14	TT	461813
123789-HxCDF	SW8290	1	1.9	4.8	ND		pg/g	11/23/21	3:14	TT	461813
1234678-HpCDF	SW8290	1	1.8	4.8	ND		pg/g	11/23/21	3:14	TT	461813
1234789-HpCDF	SW8290	1	1.1	4.8	ND		pg/g	11/23/21	3:14	TT	461813
OCDF	SW8290	1	1.4	29	ND		pg/g	11/23/21	3:14	TT	461813
2378-TCDD	SW8290	1	0.20	0.48	ND		pg/g	11/23/21	3:14	TT	461813
12378-PeCDD	SW8290	1	1.1	4.8	ND		pg/g	11/23/21	3:14	TT	461813
123478-HxCDD	SW8290	1	0.90	4.8	ND		pg/g	11/23/21	3:14	TT	461813
123678-HxCDD	SW8290	1	1.3	4.8	ND		pg/g	11/23/21	3:14	TT	461813
123789-HxCDD	SW8290	1	3.1	4.8	**11.7**	E	pg/g	11/23/21	3:14	TT	461813
1234678-HpCDD	SW8290	1	1.5	4.8	ND		pg/g	11/23/21	3:14	TT	461813
OCDD	SW8290	1	4.3	24	ND		pg/g	11/23/21	3:14	TT	461813
Total-Dioxins	SW8290	1	0.20	0.48	ND		pg/g	11/23/21	3:14	TT	461813
Total-Furans	SW8290	1	0.21	0.48	**5.21**		pg/g	11/23/21	3:14	TT	461813
Total-TEQ	SW8290	1			**0.156**		pg/g	11/23/21	3:14	TT	461813
			Acceptance Limits								
(LS) 13C-2378-TCDF	SW8290		**22 - 150**		**78.4**		%	11/23/21	3:14	TT	461813
(LS) 13C-12378-PeCDF	SW8290		**22 - 150**		**91.4**		%	11/23/21	3:14	TT	461813

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-0.5	**Lab Sample ID:**	2111198-001A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 9:57		
SDG:			

Prep Method:	8290S-P	**Prep Batch Date/Time:**	11/13/21	8:31:00AM
Prep Batch ID:	1137060	**Prep Analyst:**	LATZN	
		Units:	pg/g	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
(LS) 13C-23478-PeCDF	SW8290		**22 - 150**		**90.8**		%	11/23/21	3:14	TT	461813
(LS) 13C-123478-HxCDF	SW8290		**22 - 150**		**84.7**		%	11/23/21	3:14	TT	461813
(LS) 13C-123678-HxCDF	SW8290		**22 - 150**		**75.0**		%	11/23/21	3:14	TT	461813
(LS) 13C-234678-HxCDF	SW8290		**22 - 150**		**83.0**		%	11/23/21	3:14	TT	461813
(LS) 13C-123789-HxCDF	SW8290		**22 - 150**		**83.4**		%	11/23/21	3:14	TT	461813
(LS) 13C-1234678-HpCDF	SW8290		**22 - 150**		**68.2**		%	11/23/21	3:14	TT	461813
(LS) 13C-1234789-HpCDF	SW8290		**22 - 150**		**77.8**		%	11/23/21	3:14	TT	461813
(LS) 13C-2378-TCDD	SW8290		**22 - 150**		**76.3**		%	11/23/21	3:14	TT	461813
(LS) 13C-12378-PeCDD	SW8290		**22 - 150**		**89.7**		%	11/23/21	3:14	TT	461813
(LS) 13C-123478-HxCDD	SW8290		**22 - 150**		**81.9**		%	11/23/21	3:14	TT	461813
(LS) 13C-123678-HxCDD	SW8290		**22 - 150**		**75.7**		%	11/23/21	3:14	TT	461813
(LS) 13C-1234678-HpCDD	SW8290		**22 - 150**		**74.2**		%	11/23/21	3:14	TT	461813
(LS) 13C-OCDD	SW8290		**22 - 150**		**59.3**		%	11/23/21	3:14	TT	461813
(CRS) 37Cl-2378-TCDD	SW8290		**40 - 135**		**102**		%	11/23/21	3:14	TT	461813

NOTE: E - estimated result due to ion ratio ouside criteria due to matrix interference

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-2.0	**Lab Sample ID:**	2111198-002A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 10:00		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	11/27/21 10:40:00AM
Prep Batch ID:	1137236	**Prep Analyst:**	ERVS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	11/29/21	14:16	BJAY	461738

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-2.0	**Lab Sample ID:**	2111198-002A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 10:00		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	11/27/21 10:00:00AM
Prep Batch ID:	1137280	**Prep Analyst:**	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	11/30/21	13:07	ERR	461787
Arsenic	SW6010B	1	0.15	1.30	**2.80**		mg/Kg	11/30/21	13:07	ERR	461787
Barium	SW6010B	1	0.055	5.00	**47.9**		mg/Kg	11/30/21	13:07	ERR	461787
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	11/30/21	13:07	ERR	461787
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	11/30/21	13:07	ERR	461787
Chromium	SW6010B	1	0.075	5.00	**43.5**		mg/Kg	11/30/21	13:07	ERR	461787
Cobalt	SW6010B	1	0.070	5.00	**5.65**		mg/Kg	11/30/21	13:07	ERR	461787
Copper	SW6010B	1	0.20	5.00	**7.85**		mg/Kg	11/30/21	13:07	ERR	461787
Lead	SW6010B	1	0.10	3.00	ND		mg/Kg	11/30/21	13:07	ERR	461787
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	11/30/21	13:07	ERR	461787
Nickel	SW6010B	1	0.50	5.00	**38.8**		mg/Kg	11/30/21	13:07	ERR	461787
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/30/21	13:07	ERR	461787
Silver	SW6010B	1	0.15	1.00	ND		mg/Kg	11/30/21	13:07	ERR	461787
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	11/30/21	13:07	ERR	461787
Vanadium	SW6010B	1	0.10	5.00	**29.3**		mg/Kg	11/30/21	13:07	ERR	461787
Zinc	SW6010B	1	0.30	5.00	**21.4**		mg/Kg	11/30/21	13:07	ERR	461787

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-2.0	**Lab Sample ID:**	2111198-002A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 10:00		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	11/19/21 10:35:00AM
Prep Batch ID:	1137022	**Prep Analyst:**	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	1	46.9	720	ND		ug/Kg	11/20/21	23:25	MT	461558
Phenol	SW8270C	1	43.8	288	ND		ug/Kg	11/20/21	23:25	MT	461558
Bis(2-chloroethyl)ether	SW8270C	1	13.3	144	ND		ug/Kg	11/20/21	23:25	MT	461558
2-Chlorophenol	SW8270C	1	47.7	288	ND		ug/Kg	11/20/21	23:25	MT	461558
1,3-Dichlorobenzene	SW8270C	1	13.1	144	ND		ug/Kg	11/20/21	23:25	MT	461558
1,4-Dichlorobenzene	SW8270C	1	14.6	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Benzyl Alcohol	SW8270C	1	20.5	288	ND		ug/Kg	11/20/21	23:25	MT	461558
1,2-Dichlorobenzene	SW8270C	1	13.5	144	ND		ug/Kg	11/20/21	23:25	MT	461558
2-Methylphenol (o-Cresol)	SW8270C	1	29.3	288	ND		ug/Kg	11/20/21	23:25	MT	461558
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	1	68.0	720	ND		ug/Kg	11/20/21	23:25	MT	461558
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	1	31.3	288	ND		ug/Kg	11/20/21	23:25	MT	461558
N-nitroso-di-n-propylamine	SW8270C	1	13.2	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Hexachloroethane	SW8270C	1	17.1	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Nitrobenzene	SW8270C	1	12.8	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Isophorone	SW8270C	1	12.2	144	ND		ug/Kg	11/20/21	23:25	MT	461558
2-Nitrophenol	SW8270C	1	25.4	288	ND		ug/Kg	11/20/21	23:25	MT	461558
2,4-Dimethylphenol	SW8270C	1	22.8	288	ND		ug/Kg	11/20/21	23:25	MT	461558
Benzoic Acid	SW8270C	1	41.7	288	ND		ug/Kg	11/20/21	23:25	MT	461558
Bis(2-Chloroethoxy)methane	SW8270C	1	9.79	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Bis(2-chloroisopropyl)ether	SW8270C	1	12.6	144	ND		ug/Kg	11/20/21	23:25	MT	461558
2,4-Dichlorophenol	SW8270C	1	39.3	288	ND		ug/Kg	11/20/21	23:25	MT	461558
1,2,4-Trichlorobenzene	SW8270C	1	11.8	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Naphthalene	SW8270C	1	10.6	144	ND		ug/Kg	11/20/21	23:25	MT	461558
2,6-Dichlorophenol	SW8270C	1	35.8	288	ND		ug/Kg	11/20/21	23:25	MT	461558
Hexachloro-1,3-butadiene	SW8270C	1	8.34	144	ND		ug/Kg	11/20/21	23:25	MT	461558
4-Chloro-3-methylphenol	SW8270C	1	33.8	288	ND		ug/Kg	11/20/21	23:25	MT	461558
2-Methylnaphthalene	SW8270C	1	10.4	144	ND		ug/Kg	11/20/21	23:25	MT	461558
1-Methylnaphthalene	SW8270C	1	12.2	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Hexachlorocyclopentadiene	SW8270C	1	12.9	144	ND		ug/Kg	11/20/21	23:25	MT	461558
2,4,6-Trichlorophenol	SW8270C	1	35.9	288	ND		ug/Kg	11/20/21	23:25	MT	461558
2,4,5-Trichlorophenol	SW8270C	1	33.4	288	ND		ug/Kg	11/20/21	23:25	MT	461558
2-Chloronaphthalene	SW8270C	1	10.6	144	ND		ug/Kg	11/20/21	23:25	MT	461558
1,4-Dinitrobenzene	SW8270C	1	10.3	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Dimethyl phthalate	SW8270C	1	14.2	720	ND		ug/Kg	11/20/21	23:25	MT	461558
1,3-Dinitrobenzene	SW8270C	1	10.4	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Acenaphthylene	SW8270C	1	8.28	144	ND		ug/Kg	11/20/21	23:25	MT	461558
2,6-Dinitrotoluene	SW8270C	1	11.3	144	ND		ug/Kg	11/20/21	23:25	MT	461558
1,2-Dinitrobenzene	SW8270C	1	15.8	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Acenaphthene	SW8270C	1	10.7	144	ND		ug/Kg	11/20/21	23:25	MT	461558

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-2.0	**Lab Sample ID:**	2111198-002A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 10:00		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	11/19/21 10:35:00AM
Prep Batch ID:	1137022	**Prep Analyst:**	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
2,4-Dinitrophenol	SW8270C	1	77.6	720	ND		ug/Kg	11/20/21	23:25	MT	461558
4-Nitrophenol	SW8270C	1	54.7	720	ND		ug/Kg	11/20/21	23:25	MT	461558
Dibenzofuran	SW8270C	1	11.2	144	ND		ug/Kg	11/20/21	23:25	MT	461558
2,4-Dinitrotoluene	SW8270C	1	12.1	144	ND		ug/Kg	11/20/21	23:25	MT	461558
2,3,5,6-Tetrachlorophenol	SW8270C	1	27.6	288	ND		ug/Kg	11/20/21	23:25	MT	461558
2,3,4,6-Tetrachlorophenol	SW8270C	1	31.5	288	ND		ug/Kg	11/20/21	23:25	MT	461558
Diethylphthalate	SW8270C	1	13.6	720	ND		ug/Kg	11/20/21	23:25	MT	461558
Fluorene	SW8270C	1	10.3	144	ND		ug/Kg	11/20/21	23:25	MT	461558
4-Chlorophenyl-phenylether	SW8270C	1	9.32	144	ND		ug/Kg	11/20/21	23:25	MT	461558
4,6-Dinitro-2-methylphenol	SW8270C	1	13.4	288	ND		ug/Kg	11/20/21	23:25	MT	461558
Diphenylamine	SW8270C	1	13.0	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Azobenzene	SW8270C	1	114	144	ND		ug/Kg	11/20/21	23:25	MT	461558
4-Bromophenyl-phenylether	SW8270C	1	8.23	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Hexachlorobenzene	SW8270C	1	8.66	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Pentachlorophenol	SW8270C	1	25.0	288	ND		ug/Kg	11/20/21	23:25	MT	461558
Phenanthrene	SW8270C	1	9.32	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Anthracene	SW8270C	1	8.91	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Carbazole	SW8270C	1	10.7	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Di-n-butylphthalate	SW8270C	1	13.5	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Fluoranthene	SW8270C	1	10.0	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Benzidine	SW8270C	1	147	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Pyrene	SW8270C	1	12.0	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Butylbenzylphthalate	SW8270C	1	21.0	720	ND		ug/Kg	11/20/21	23:25	MT	461558
Benzo(a)anthracene	SW8270C	1	9.80	144	ND		ug/Kg	11/20/21	23:25	MT	461558
3,3-Dichlorobenzidine	SW8270C	1	118	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Chrysene	SW8270C	1	15.2	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Bis(2-Ethylhexyl)phthalate	SW8270C	1	15.3	720	ND		ug/Kg	11/20/21	23:25	MT	461558
Di-n-Octylphthalate	SW8270C	1	12.3	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Benzo(b)fluorathene	SW8270C	1	12.0	144	ND		ug/Kg	11/20/21	23:25	MT	461558
benzo(k)fluorathene	SW8270C	1	8.16	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Benzo(a)pyrene	SW8270C	1	9.80	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Indeno(1,2,3-c,d)pyrene	SW8270C	1	13.8	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Dibenzo(a,h)anthracene	SW8270C	1	12.7	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Benzo(g,h,i)perylene	SW8270C	1	16.7	144	ND		ug/Kg	11/20/21	23:25	MT	461558
Pyridine	SW8270C	1	43.8	720	ND		ug/Kg	11/20/21	23:25	MT	461558
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**83.6**		%	11/20/21	23:25	MT	461558
Phenol-d6 (S)	SW8270C		24 - 113		**86.7**		%	11/20/21	23:25	MT	461558
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**83.6**		%	11/20/21	23:25	MT	461558

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-2.0	**Lab Sample ID:**	2111198-002A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 10:00		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	11/19/21 10:35:00AM
Prep Batch ID:	1137022	**Prep Analyst:**	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**87.5**		%	11/20/21	23:25	MT	461558
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**83.1**		%	11/20/21	23:25	MT	461558
p-Terphenyl-d14 (S)	SW8270C		18 - 137		**85.4**		%	11/20/21	23:25	MT	461558

Prep Method:	8290S-P	**Prep Batch Date/Time:**	11/13/21 8:31:00AM
Prep Batch ID:	1137060	**Prep Analyst:**	LATZN
		Units:	pg/g

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
2378-TCDF	SW8290	1	0.22	0.50	ND		pg/g	11/23/21	4:17	TT	461813
12378-PeCDF	SW8290	1	1.0	5.0	**5.64**	E	pg/g	11/23/21	4:17	TT	461813
23478-PeCDF	SW8290	1	0.67	5.0	ND		pg/g	11/23/21	4:17	TT	461813
123478-HxCDF	SW8290	1	0.50	5.0	**5.69**	E	pg/g	11/23/21	4:17	TT	461813
123678-HxCDF	SW8290	1	1.1	5.0	ND		pg/g	11/23/21	4:17	TT	461813
234678-HxCDF	SW8290	1	1.5	5.0	ND		pg/g	11/23/21	4:17	TT	461813
123789-HxCDF	SW8290	1	1.9	5.0	**5.69**	E	pg/g	11/23/21	4:17	TT	461813
1234678-HpCDF	SW8290	1	1.8	5.0	ND		pg/g	11/23/21	4:17	TT	461813
1234789-HpCDF	SW8290	1	1.1	5.0	**6.39**	E	pg/g	11/23/21	4:17	TT	461813
OCDF	SW8290	1	1.5	30	ND		pg/g	11/23/21	4:17	TT	461813
2378-TCDD	SW8290	1	0.21	0.50	ND		pg/g	11/23/21	4:17	TT	461813
12378-PeCDD	SW8290	1	1.1	5.0	ND		pg/g	11/23/21	4:17	TT	461813
123478-HxCDD	SW8290	1	0.93	5.0	ND		pg/g	11/23/21	4:17	TT	461813
123678-HxCDD	SW8290	1	1.3	5.0	ND		pg/g	11/23/21	4:17	TT	461813
123789-HxCDD	SW8290	1	3.2	5.0	**12.2**	E	pg/g	11/23/21	4:17	TT	461813
1234678-HpCDD	SW8290	1	1.6	5.0	**8.76**		pg/g	11/23/21	4:17	TT	461813
OCDD	SW8290	1	4.4	25	ND		pg/g	11/23/21	4:17	TT	461813
Total-Dioxins	SW8290	1	0.21	0.50	**8.76**		pg/g	11/23/21	4:17	TT	461813
Total-Furans	SW8290	1	0.22	0.50	**17.0**		pg/g	11/23/21	4:17	TT	461813
Total-TEQ	SW8290	1			**1.40**		pg/g	11/23/21	4:17	TT	461813
			Acceptance Limits								
(LS) 13C-2378-TCDF	SW8290		**22 - 150**		**84.8**		%	11/23/21	4:17	TT	461813
(LS) 13C-12378-PeCDF	SW8290		**22 - 150**		**105**		%	11/23/21	4:17	TT	461813
(LS) 13C-23478-PeCDF	SW8290		**22 - 150**		**107**		%	11/23/21	4:17	TT	461813
(LS) 13C-123478-HxCDF	SW8290		**22 - 150**		**94.2**		%	11/23/21	4:17	TT	461813
(LS) 13C-123678-HxCDF	SW8290		**22 - 150**		**85.6**		%	11/23/21	4:17	TT	461813
(LS) 13C-234678-HxCDF	SW8290		**22 - 150**		**95.2**		%	11/23/21	4:17	TT	461813

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-2.0	**Lab Sample ID:**	2111198-002A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 10:00		
SDG:			

Prep Method:	8290S-P	**Prep Batch Date/Time:**	11/13/21	8:31:00AM
Prep Batch ID:	1137060	**Prep Analyst:**	LATZN	
		Units:	pg/g	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
(LS) 13C-123789-HxCDF	SW8290		**22 - 150**		**99.4**		%	11/23/21	4:17	TT	461813
(LS) 13C-1234678-HpCDF	SW8290		**22 - 150**		**76.9**		%	11/23/21	4:17	TT	461813
(LS) 13C-1234789-HpCDF	SW8290		**22 - 150**		**85.8**		%	11/23/21	4:17	TT	461813
(LS) 13C-2378-TCDD	SW8290		**22 - 150**		**80.1**		%	11/23/21	4:17	TT	461813
(LS) 13C-12378-PeCDD	SW8290		**22 - 150**		**107**		%	11/23/21	4:17	TT	461813
(LS) 13C-123478-HxCDD	SW8290		**22 - 150**		**93.3**		%	11/23/21	4:17	TT	461813
(LS) 13C-123678-HxCDD	SW8290		**22 - 150**		**87.8**		%	11/23/21	4:17	TT	461813
(LS) 13C-1234678-HpCDD	SW8290		**22 - 150**		**76.1**		%	11/23/21	4:17	TT	461813
(LS) 13C-OCDD	SW8290		**22 - 150**		**67.0**		%	11/23/21	4:17	TT	461813
(CRS) 37Cl-2378-TCDD	SW8290		**40 - 135**		**105**		%	11/23/21	4:17	TT	461813

NOTE: E - estimated result due to ion ratio ouside criteria due to matrix interference

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-5.0	**Lab Sample ID:**	2111198-003A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 10:02		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	11/27/21	10:40:00AM
Prep Batch ID:	1137236	**Prep Analyst:**	ERVS	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	11/29/21	14:18	BJAY	461738

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-5.0	**Lab Sample ID:**	2111198-003A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 10:02		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	11/27/21 10:00:00AM
Prep Batch ID:	1137280	**Prep Analyst:**	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	11/30/21	13:09	ERR	461787
Arsenic	SW6010B	1	0.15	1.30	**3.13**		mg/Kg	11/30/21	13:09	ERR	461787
Barium	SW6010B	1	0.055	5.00	**55.0**		mg/Kg	11/30/21	13:09	ERR	461787
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	11/30/21	13:09	ERR	461787
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	11/30/21	13:09	ERR	461787
Chromium	SW6010B	1	0.075	5.00	**39.7**		mg/Kg	11/30/21	13:09	ERR	461787
Cobalt	SW6010B	1	0.070	5.00	**6.10**		mg/Kg	11/30/21	13:09	ERR	461787
Copper	SW6010B	1	0.20	5.00	**8.65**		mg/Kg	11/30/21	13:09	ERR	461787
Lead	SW6010B	1	0.10	3.00	ND		mg/Kg	11/30/21	13:09	ERR	461787
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	11/30/21	13:09	ERR	461787
Nickel	SW6010B	1	0.50	5.00	**35.1**		mg/Kg	11/30/21	13:09	ERR	461787
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/30/21	13:09	ERR	461787
Silver	SW6010B	1	0.15	1.00	ND		mg/Kg	11/30/21	13:09	ERR	461787
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	11/30/21	13:09	ERR	461787
Vanadium	SW6010B	1	0.10	5.00	**30.2**		mg/Kg	11/30/21	13:09	ERR	461787
Zinc	SW6010B	1	0.30	5.00	**22.7**		mg/Kg	11/30/21	13:09	ERR	461787

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-5.0	**Lab Sample ID:**	2111198-003A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 10:02		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	11/19/21 10:35:00AM
Prep Batch ID:	1137022	**Prep Analyst:**	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	1	46.9	720	ND		ug/Kg	11/20/21	23:55	MT	461558
Phenol	SW8270C	1	43.8	288	ND		ug/Kg	11/20/21	23:55	MT	461558
Bis(2-chloroethyl)ether	SW8270C	1	13.3	144	ND		ug/Kg	11/20/21	23:55	MT	461558
2-Chlorophenol	SW8270C	1	47.7	288	ND		ug/Kg	11/20/21	23:55	MT	461558
1,3-Dichlorobenzene	SW8270C	1	13.1	144	ND		ug/Kg	11/20/21	23:55	MT	461558
1,4-Dichlorobenzene	SW8270C	1	14.6	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Benzyl Alcohol	SW8270C	1	20.5	288	ND		ug/Kg	11/20/21	23:55	MT	461558
1,2-Dichlorobenzene	SW8270C	1	13.5	144	ND		ug/Kg	11/20/21	23:55	MT	461558
2-Methylphenol (o-Cresol)	SW8270C	1	29.3	288	ND		ug/Kg	11/20/21	23:55	MT	461558
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	1	68.0	720	ND		ug/Kg	11/20/21	23:55	MT	461558
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	1	31.3	288	ND		ug/Kg	11/20/21	23:55	MT	461558
N-nitroso-di-n-propylamine	SW8270C	1	13.2	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Hexachloroethane	SW8270C	1	17.1	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Nitrobenzene	SW8270C	1	12.8	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Isophorone	SW8270C	1	12.2	144	ND		ug/Kg	11/20/21	23:55	MT	461558
2-Nitrophenol	SW8270C	1	25.4	288	ND		ug/Kg	11/20/21	23:55	MT	461558
2,4-Dimethylphenol	SW8270C	1	22.8	288	ND		ug/Kg	11/20/21	23:55	MT	461558
Benzoic Acid	SW8270C	1	41.7	288	ND		ug/Kg	11/20/21	23:55	MT	461558
Bis(2-Chloroethoxy)methane	SW8270C	1	9.79	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Bis(2-chloroisopropyl)ether	SW8270C	1	12.6	144	ND		ug/Kg	11/20/21	23:55	MT	461558
2,4-Dichlorophenol	SW8270C	1	39.3	288	ND		ug/Kg	11/20/21	23:55	MT	461558
1,2,4-Trichlorobenzene	SW8270C	1	11.8	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Naphthalene	SW8270C	1	10.6	144	ND		ug/Kg	11/20/21	23:55	MT	461558
2,6-Dichlorophenol	SW8270C	1	35.8	288	ND		ug/Kg	11/20/21	23:55	MT	461558
Hexachloro-1,3-butadiene	SW8270C	1	8.34	144	ND		ug/Kg	11/20/21	23:55	MT	461558
4-Chloro-3-methylphenol	SW8270C	1	33.8	288	ND		ug/Kg	11/20/21	23:55	MT	461558
2-Methylnaphthalene	SW8270C	1	10.4	144	ND		ug/Kg	11/20/21	23:55	MT	461558
1-Methylnaphthalene	SW8270C	1	12.2	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Hexachlorocyclopentadiene	SW8270C	1	12.9	144	ND		ug/Kg	11/20/21	23:55	MT	461558
2,4,6-Trichlorophenol	SW8270C	1	35.9	288	ND		ug/Kg	11/20/21	23:55	MT	461558
2,4,5-Trichlorophenol	SW8270C	1	33.4	288	ND		ug/Kg	11/20/21	23:55	MT	461558
2-Chloronaphthalene	SW8270C	1	10.6	144	ND		ug/Kg	11/20/21	23:55	MT	461558
1,4-Dinitrobenzene	SW8270C	1	10.3	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Dimethyl phthalate	SW8270C	1	14.2	720	ND		ug/Kg	11/20/21	23:55	MT	461558
1,3-Dinitrobenzene	SW8270C	1	10.4	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Acenaphthylene	SW8270C	1	8.28	144	ND		ug/Kg	11/20/21	23:55	MT	461558
2,6-Dinitrotoluene	SW8270C	1	11.3	144	ND		ug/Kg	11/20/21	23:55	MT	461558
1,2-Dinitrobenzene	SW8270C	1	15.8	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Acenaphthene	SW8270C	1	10.7	144	ND		ug/Kg	11/20/21	23:55	MT	461558

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-5.0	**Lab Sample ID:**	2111198-003A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 10:02		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	11/19/21 10:35:00AM
Prep Batch ID:	1137022	**Prep Analyst:**	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
2,4-Dinitrophenol	SW8270C	1	77.6	720	ND		ug/Kg	11/20/21	23:55	MT	461558
4-Nitrophenol	SW8270C	1	54.7	720	ND		ug/Kg	11/20/21	23:55	MT	461558
Dibenzofuran	SW8270C	1	11.2	144	ND		ug/Kg	11/20/21	23:55	MT	461558
2,4-Dinitrotoluene	SW8270C	1	12.1	144	ND		ug/Kg	11/20/21	23:55	MT	461558
2,3,5,6-Tetrachlorophenol	SW8270C	1	27.6	288	ND		ug/Kg	11/20/21	23:55	MT	461558
2,3,4,6-Tetrachlorophenol	SW8270C	1	31.5	288	ND		ug/Kg	11/20/21	23:55	MT	461558
Diethylphthalate	SW8270C	1	13.6	720	ND		ug/Kg	11/20/21	23:55	MT	461558
Fluorene	SW8270C	1	10.3	144	ND		ug/Kg	11/20/21	23:55	MT	461558
4-Chlorophenyl-phenylether	SW8270C	1	9.32	144	ND		ug/Kg	11/20/21	23:55	MT	461558
4,6-Dinitro-2-methylphenol	SW8270C	1	13.4	288	ND		ug/Kg	11/20/21	23:55	MT	461558
Diphenylamine	SW8270C	1	13.0	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Azobenzene	SW8270C	1	114	144	ND		ug/Kg	11/20/21	23:55	MT	461558
4-Bromophenyl-phenylether	SW8270C	1	8.23	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Hexachlorobenzene	SW8270C	1	8.66	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Pentachlorophenol	SW8270C	1	25.0	288	ND		ug/Kg	11/20/21	23:55	MT	461558
Phenanthrene	SW8270C	1	9.32	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Anthracene	SW8270C	1	8.91	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Carbazole	SW8270C	1	10.7	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Di-n-butylphthalate	SW8270C	1	13.5	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Fluoranthene	SW8270C	1	10.0	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Benzidine	SW8270C	1	147	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Pyrene	SW8270C	1	12.0	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Butylbenzylphthalate	SW8270C	1	21.0	720	ND		ug/Kg	11/20/21	23:55	MT	461558
Benzo(a)anthracene	SW8270C	1	9.80	144	ND		ug/Kg	11/20/21	23:55	MT	461558
3,3-Dichlorobenzidine	SW8270C	1	118	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Chrysene	SW8270C	1	15.2	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Bis(2-Ethylhexyl)phthalate	SW8270C	1	15.3	720	ND		ug/Kg	11/20/21	23:55	MT	461558
Di-n-Octylphthalate	SW8270C	1	12.3	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Benzo(b)fluorathene	SW8270C	1	12.0	144	ND		ug/Kg	11/20/21	23:55	MT	461558
benzo(k)fluorathene	SW8270C	1	8.16	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Benzo(a)pyrene	SW8270C	1	9.80	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Indeno(1,2,3-c,d)pyrene	SW8270C	1	13.8	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Dibenzo(a,h)anthracene	SW8270C	1	12.7	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Benzo(g,h,i)perylene	SW8270C	1	16.7	144	ND		ug/Kg	11/20/21	23:55	MT	461558
Pyridine	SW8270C	1	43.8	720	ND		ug/Kg	11/20/21	23:55	MT	461558
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**83.9**		%	11/20/21	23:55	MT	461558
Phenol-d6 (S)	SW8270C		24 - 113		**87.6**		%	11/20/21	23:55	MT	461558
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**83.3**		%	11/20/21	23:55	MT	461558

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-5.0	**Lab Sample ID:**	2111198-003A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 10:02		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	11/19/21 10:35:00AM
Prep Batch ID:	1137022	**Prep Analyst:**	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**85.5**		%	11/20/21	23:55	MT	461558
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**83.0**		%	11/20/21	23:55	MT	461558
p-Terphenyl-d14 (S)	SW8270C		18 - 137		**86.9**		%	11/20/21	23:55	MT	461558

Prep Method:	8290S-P	**Prep Batch Date/Time:**	11/13/21 8:31:00AM
Prep Batch ID:	1137060	**Prep Analyst:**	LATZN
		Units:	pg/g

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
2378-TCDF	SW8290	1	0.21	0.49	ND		pg/g	11/23/21	5:20	TT	461813
12378-PeCDF	SW8290	1	1.0	4.9	ND		pg/g	11/23/21	5:20	TT	461813
23478-PeCDF	SW8290	1	0.66	4.9	ND		pg/g	11/23/21	5:20	TT	461813
123478-HxCDF	SW8290	1	0.49	4.9	ND		pg/g	11/23/21	5:20	TT	461813
123678-HxCDF	SW8290	1	1.1	4.9	ND		pg/g	11/23/21	5:20	TT	461813
234678-HxCDF	SW8290	1	1.4	4.9	ND		pg/g	11/23/21	5:20	TT	461813
123789-HxCDF	SW8290	1	1.9	4.9	ND		pg/g	11/23/21	5:20	TT	461813
1234678-HpCDF	SW8290	1	1.8	4.9	ND		pg/g	11/23/21	5:20	TT	461813
1234789-HpCDF	SW8290	1	1.1	4.9	ND		pg/g	11/23/21	5:20	TT	461813
OCDF	SW8290	1	1.5	29	ND		pg/g	11/23/21	5:20	TT	461813
2378-TCDD	SW8290	1	0.20	0.49	ND		pg/g	11/23/21	5:20	TT	461813
12378-PeCDD	SW8290	1	1.1	4.9	ND		pg/g	11/23/21	5:20	TT	461813
123478-HxCDD	SW8290	1	0.92	4.9	ND		pg/g	11/23/21	5:20	TT	461813
123678-HxCDD	SW8290	1	1.3	4.9	ND		pg/g	11/23/21	5:20	TT	461813
123789-HxCDD	SW8290	1	3.2	4.9	ND		pg/g	11/23/21	5:20	TT	461813
1234678-HpCDD	SW8290	1	1.6	4.9	ND		pg/g	11/23/21	5:20	TT	461813
OCDD	SW8290	1	4.3	24	ND		pg/g	11/23/21	5:20	TT	461813
Total-Dioxins	SW8290	1	0.20	0.49	ND		pg/g	11/23/21	5:20	TT	461813
Total-Furans	SW8290	1	0.21	0.49	ND		pg/g	11/23/21	5:20	TT	461813
Total-TEQ	SW8290	1			**0.000**		pg/g	11/23/21	5:20	TT	461813
			Acceptance Limits								
(LS) 13C-2378-TCDF	SW8290		**22 - 150**		**84.5**		%	11/23/21	5:20	TT	461813
(LS) 13C-12378-PeCDF	SW8290		**22 - 150**		**98.5**		%	11/23/21	5:20	TT	461813
(LS) 13C-23478-PeCDF	SW8290		**22 - 150**		**99.3**		%	11/23/21	5:20	TT	461813
(LS) 13C-123478-HxCDF	SW8290		**22 - 150**		**90.7**		%	11/23/21	5:20	TT	461813
(LS) 13C-123678-HxCDF	SW8290		**22 - 150**		**81.4**		%	11/23/21	5:20	TT	461813
(LS) 13C-234678-HxCDF	SW8290		**22 - 150**		**91.7**		%	11/23/21	5:20	TT	461813

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-5.0	**Lab Sample ID:**	2111198-003A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 10:02		
SDG:			

Prep Method:	8290S-P	**Prep Batch Date/Time:**	11/13/21	8:31:00AM
Prep Batch ID:	1137060	**Prep Analyst:**	LATZN	
		Units:	pg/g	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
(LS) 13C-123789-HxCDF	SW8290		**22 - 150**		**94.6**		%	11/23/21	5:20	TT	461813
(LS) 13C-1234678-HpCDF	SW8290		**22 - 150**		**76.2**		%	11/23/21	5:20	TT	461813
(LS) 13C-1234789-HpCDF	SW8290		**22 - 150**		**81.0**		%	11/23/21	5:20	TT	461813
(LS) 13C-2378-TCDD	SW8290		**22 - 150**		**79.2**		%	11/23/21	5:20	TT	461813
(LS) 13C-12378-PeCDD	SW8290		**22 - 150**		**97.2**		%	11/23/21	5:20	TT	461813
(LS) 13C-123478-HxCDD	SW8290		**22 - 150**		**86.8**		%	11/23/21	5:20	TT	461813
(LS) 13C-123678-HxCDD	SW8290		**22 - 150**		**82.4**		%	11/23/21	5:20	TT	461813
(LS) 13C-1234678-HpCDD	SW8290		**22 - 150**		**73.8**		%	11/23/21	5:20	TT	461813
(LS) 13C-OCDD	SW8290		**22 - 150**		**67.0**		%	11/23/21	5:20	TT	461813
(CRS) 37Cl-2378-TCDD	SW8290		**40 - 135**		**106**		%	11/23/21	5:20	TT	461813

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-5.0 Dup	**Lab Sample ID:**	2111198-004A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 9:35		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	11/27/21	10:40:00AM
Prep Batch ID:	1137236	**Prep Analyst:**	ERVS	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	11/29/21	14:20	BJAY	461738

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-5.0 Dup	**Lab Sample ID:**	2111198-004A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 9:35		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	11/27/21 10:00:00AM
Prep Batch ID:	1137280	**Prep Analyst:**	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	11/30/21	13:11	ERR	461787
Arsenic	SW6010B	1	0.15	1.30	**3.12**		mg/Kg	11/30/21	13:11	ERR	461787
Barium	SW6010B	1	0.055	5.00	**58.5**		mg/Kg	11/30/21	13:11	ERR	461787
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	11/30/21	13:11	ERR	461787
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	11/30/21	13:11	ERR	461787
Chromium	SW6010B	1	0.075	5.00	**40.9**		mg/Kg	11/30/21	13:11	ERR	461787
Cobalt	SW6010B	1	0.070	5.00	**6.20**		mg/Kg	11/30/21	13:11	ERR	461787
Copper	SW6010B	1	0.20	5.00	**9.40**		mg/Kg	11/30/21	13:11	ERR	461787
Lead	SW6010B	1	0.10	3.00	**3.06**		mg/Kg	11/30/21	13:11	ERR	461787
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	11/30/21	13:11	ERR	461787
Nickel	SW6010B	1	0.50	5.00	**36.7**		mg/Kg	11/30/21	13:11	ERR	461787
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/30/21	13:11	ERR	461787
Silver	SW6010B	1	0.15	1.00	ND		mg/Kg	11/30/21	13:11	ERR	461787
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	11/30/21	13:11	ERR	461787
Vanadium	SW6010B	1	0.10	5.00	**31.6**		mg/Kg	11/30/21	13:11	ERR	461787
Zinc	SW6010B	1	0.30	5.00	**24.5**		mg/Kg	11/30/21	13:11	ERR	461787

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-5.0 Dup	**Lab Sample ID:**	2111198-004A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 9:35		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	11/19/21 10:35:00AM
Prep Batch ID:	1137022	**Prep Analyst:**	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	1	46.9	720	ND		ug/Kg	11/21/21	0:25	MT	461558
Phenol	SW8270C	1	43.8	288	ND		ug/Kg	11/21/21	0:25	MT	461558
Bis(2-chloroethyl)ether	SW8270C	1	13.3	144	ND		ug/Kg	11/21/21	0:25	MT	461558
2-Chlorophenol	SW8270C	1	47.7	288	ND		ug/Kg	11/21/21	0:25	MT	461558
1,3-Dichlorobenzene	SW8270C	1	13.1	144	ND		ug/Kg	11/21/21	0:25	MT	461558
1,4-Dichlorobenzene	SW8270C	1	14.6	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Benzyl Alcohol	SW8270C	1	20.5	288	ND		ug/Kg	11/21/21	0:25	MT	461558
1,2-Dichlorobenzene	SW8270C	1	13.5	144	ND		ug/Kg	11/21/21	0:25	MT	461558
2-Methylphenol (o-Cresol)	SW8270C	1	29.3	288	ND		ug/Kg	11/21/21	0:25	MT	461558
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	1	68.0	720	ND		ug/Kg	11/21/21	0:25	MT	461558
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	1	31.3	288	ND		ug/Kg	11/21/21	0:25	MT	461558
N-nitroso-di-n-propylamine	SW8270C	1	13.2	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Hexachloroethane	SW8270C	1	17.1	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Nitrobenzene	SW8270C	1	12.8	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Isophorone	SW8270C	1	12.2	144	ND		ug/Kg	11/21/21	0:25	MT	461558
2-Nitrophenol	SW8270C	1	25.4	288	ND		ug/Kg	11/21/21	0:25	MT	461558
2,4-Dimethylphenol	SW8270C	1	22.8	288	ND		ug/Kg	11/21/21	0:25	MT	461558
Benzoic Acid	SW8270C	1	41.7	288	ND		ug/Kg	11/21/21	0:25	MT	461558
Bis(2-Chloroethoxy)methane	SW8270C	1	9.79	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Bis(2-chloroisopropyl)ether	SW8270C	1	12.6	144	ND		ug/Kg	11/21/21	0:25	MT	461558
2,4-Dichlorophenol	SW8270C	1	39.3	288	ND		ug/Kg	11/21/21	0:25	MT	461558
1,2,4-Trichlorobenzene	SW8270C	1	11.8	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Naphthalene	SW8270C	1	10.6	144	ND		ug/Kg	11/21/21	0:25	MT	461558
2,6-Dichlorophenol	SW8270C	1	35.8	288	ND		ug/Kg	11/21/21	0:25	MT	461558
Hexachloro-1,3-butadiene	SW8270C	1	8.34	144	ND		ug/Kg	11/21/21	0:25	MT	461558
4-Chloro-3-methylphenol	SW8270C	1	33.8	288	ND		ug/Kg	11/21/21	0:25	MT	461558
2-Methylnaphthalene	SW8270C	1	10.4	144	ND		ug/Kg	11/21/21	0:25	MT	461558
1-Methylnaphthalene	SW8270C	1	12.2	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Hexachlorocyclopentadiene	SW8270C	1	12.9	144	ND		ug/Kg	11/21/21	0:25	MT	461558
2,4,6-Trichlorophenol	SW8270C	1	35.9	288	ND		ug/Kg	11/21/21	0:25	MT	461558
2,4,5-Trichlorophenol	SW8270C	1	33.4	288	ND		ug/Kg	11/21/21	0:25	MT	461558
2-Chloronaphthalene	SW8270C	1	10.6	144	ND		ug/Kg	11/21/21	0:25	MT	461558
1,4-Dinitrobenzene	SW8270C	1	10.3	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Dimethyl phthalate	SW8270C	1	14.2	720	ND		ug/Kg	11/21/21	0:25	MT	461558
1,3-Dinitrobenzene	SW8270C	1	10.4	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Acenaphthylene	SW8270C	1	8.28	144	ND		ug/Kg	11/21/21	0:25	MT	461558
2,6-Dinitrotoluene	SW8270C	1	11.3	144	ND		ug/Kg	11/21/21	0:25	MT	461558
1,2-Dinitrobenzene	SW8270C	1	15.8	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Acenaphthene	SW8270C	1	10.7	144	ND		ug/Kg	11/21/21	0:25	MT	461558

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-5.0 Dup	**Lab Sample ID:**	2111198-004A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 9:35		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	11/19/21 10:35:00AM
Prep Batch ID:	1137022	**Prep Analyst:**	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
2,4-Dinitrophenol	SW8270C	1	77.6	720	ND		ug/Kg	11/21/21	0:25	MT	461558
4-Nitrophenol	SW8270C	1	54.7	720	ND		ug/Kg	11/21/21	0:25	MT	461558
Dibenzofuran	SW8270C	1	11.2	144	ND		ug/Kg	11/21/21	0:25	MT	461558
2,4-Dinitrotoluene	SW8270C	1	12.1	144	ND		ug/Kg	11/21/21	0:25	MT	461558
2,3,5,6-Tetrachlorophenol	SW8270C	1	27.6	288	ND		ug/Kg	11/21/21	0:25	MT	461558
2,3,4,6-Tetrachlorophenol	SW8270C	1	31.5	288	ND		ug/Kg	11/21/21	0:25	MT	461558
Diethylphthalate	SW8270C	1	13.6	720	ND		ug/Kg	11/21/21	0:25	MT	461558
Fluorene	SW8270C	1	10.3	144	ND		ug/Kg	11/21/21	0:25	MT	461558
4-Chlorophenyl-phenylether	SW8270C	1	9.32	144	ND		ug/Kg	11/21/21	0:25	MT	461558
4,6-Dinitro-2-methylphenol	SW8270C	1	13.4	288	ND		ug/Kg	11/21/21	0:25	MT	461558
Diphenylamine	SW8270C	1	13.0	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Azobenzene	SW8270C	1	114	144	ND		ug/Kg	11/21/21	0:25	MT	461558
4-Bromophenyl-phenylether	SW8270C	1	8.23	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Hexachlorobenzene	SW8270C	1	8.66	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Pentachlorophenol	SW8270C	1	25.0	288	ND		ug/Kg	11/21/21	0:25	MT	461558
Phenanthrene	SW8270C	1	9.32	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Anthracene	SW8270C	1	8.91	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Carbazole	SW8270C	1	10.7	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Di-n-butylphthalate	SW8270C	1	13.5	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Fluoranthene	SW8270C	1	10.0	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Benzidine	SW8270C	1	147	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Pyrene	SW8270C	1	12.0	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Butylbenzylphthalate	SW8270C	1	21.0	720	ND		ug/Kg	11/21/21	0:25	MT	461558
Benzo(a)anthracene	SW8270C	1	9.80	144	ND		ug/Kg	11/21/21	0:25	MT	461558
3,3-Dichlorobenzidine	SW8270C	1	118	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Chrysene	SW8270C	1	15.2	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Bis(2-Ethylhexyl)phthalate	SW8270C	1	15.3	720	ND		ug/Kg	11/21/21	0:25	MT	461558
Di-n-Octylphthalate	SW8270C	1	12.3	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Benzo(b)fluorathene	SW8270C	1	12.0	144	ND		ug/Kg	11/21/21	0:25	MT	461558
benzo(k)fluorathene	SW8270C	1	8.16	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Benzo(a)pyrene	SW8270C	1	9.80	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Indeno(1,2,3-c,d)pyrene	SW8270C	1	13.8	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Dibenzo(a,h)anthracene	SW8270C	1	12.7	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Benzo(g,h,i)perylene	SW8270C	1	16.7	144	ND		ug/Kg	11/21/21	0:25	MT	461558
Pyridine	SW8270C	1	43.8	720	ND		ug/Kg	11/21/21	0:25	MT	461558
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 121		**79.1**		%	11/21/21	0:25	MT	461558
Phenol-d6 (S)	SW8270C		24 - 113		**82.5**		%	11/21/21	0:25	MT	461558
2,4,6-Tribromophenol (S)	SW8270C		19 - 122		**83.5**		%	11/21/21	0:25	MT	461558

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-5.0 Dup	**Lab Sample ID:**	2111198-004A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 9:35		
SDG:			

Prep Method:	3546_BNA	**Prep Batch Date/Time:**	11/19/21 10:35:00AM
Prep Batch ID:	1137022	**Prep Analyst:**	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
2-Fluorobiphenyl (S)	SW8270C		45 - 143		**84.3**		%	11/21/21	0:25	MT	461558
Nitrobenzene-d5 (S)	SW8270C		23 - 120		**78.3**		%	11/21/21	0:25	MT	461558
p-Terphenyl-d14 (S)	SW8270C		18 - 137		**82.4**		%	11/21/21	0:25	MT	461558

Prep Method:	8290S-P	**Prep Batch Date/Time:**	11/13/21 8:31:00AM
Prep Batch ID:	1137060	**Prep Analyst:**	LATZN
		Units:	pg/g

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
2378-TCDF	SW8290	1	0.22	0.50	ND		pg/g	11/23/21	6:24	TT	461813
12378-PeCDF	SW8290	1	1.0	5.0	ND		pg/g	11/23/21	6:24	TT	461813
23478-PeCDF	SW8290	1	0.67	5.0	ND		pg/g	11/23/21	6:24	TT	461813
123478-HxCDF	SW8290	1	0.50	5.0	ND		pg/g	11/23/21	6:24	TT	461813
123678-HxCDF	SW8290	1	1.1	5.0	ND		pg/g	11/23/21	6:24	TT	461813
234678-HxCDF	SW8290	1	1.5	5.0	ND		pg/g	11/23/21	6:24	TT	461813
123789-HxCDF	SW8290	1	1.9	5.0	ND		pg/g	11/23/21	6:24	TT	461813
1234678-HpCDF	SW8290	1	1.8	5.0	ND		pg/g	11/23/21	6:24	TT	461813
1234789-HpCDF	SW8290	1	1.1	5.0	ND		pg/g	11/23/21	6:24	TT	461813
OCDF	SW8290	1	1.5	30	ND		pg/g	11/23/21	6:24	TT	461813
2378-TCDD	SW8290	1	0.21	0.50	ND		pg/g	11/23/21	6:24	TT	461813
12378-PeCDD	SW8290	1	1.1	5.0	ND		pg/g	11/23/21	6:24	TT	461813
123478-HxCDD	SW8290	1	0.93	5.0	ND		pg/g	11/23/21	6:24	TT	461813
123678-HxCDD	SW8290	1	1.3	5.0	ND		pg/g	11/23/21	6:24	TT	461813
123789-HxCDD	SW8290	1	3.2	5.0	**12.1**	E	pg/g	11/23/21	6:24	TT	461813
1234678-HpCDD	SW8290	1	1.6	5.0	ND		pg/g	11/23/21	6:24	TT	461813
OCDD	SW8290	1	4.4	25	ND		pg/g	11/23/21	6:24	TT	461813
Total-Dioxins	SW8290	1	0.21	0.50	ND		pg/g	11/23/21	6:24	TT	461813
Total-Furans	SW8290	1	0.22	0.50	ND		pg/g	11/23/21	6:24	TT	461813
Total-TEQ	SW8290	1			**0.000**		pg/g	11/23/21	6:24	TT	461813
			Acceptance Limits								
(LS) 13C-2378-TCDF	SW8290		**22 - 150**		**83.0**		%	11/23/21	6:24	TT	461813
(LS) 13C-12378-PeCDF	SW8290		**22 - 150**		**99.2**		%	11/23/21	6:24	TT	461813
(LS) 13C-23478-PeCDF	SW8290		**22 - 150**		**103**		%	11/23/21	6:24	TT	461813
(LS) 13C-123478-HxCDF	SW8290		**22 - 150**		**93.1**		%	11/23/21	6:24	TT	461813
(LS) 13C-123678-HxCDF	SW8290		**22 - 150**		**86.9**		%	11/23/21	6:24	TT	461813
(LS) 13C-234678-HxCDF	SW8290		**22 - 150**		**97.7**		%	11/23/21	6:24	TT	461813

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	AOC5-S7-5.0 Dup	**Lab Sample ID:**	2111198-004A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Soil
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 9:35		
SDG:			

Prep Method:	8290S-P	**Prep Batch Date/Time:**	11/13/21	8:31:00AM
Prep Batch ID:	1137060	**Prep Analyst:**	LATZN	
		Units:	pg/g	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
(LS) 13C-123789-HxCDF	SW8290		**22 - 150**		**100.**		%	11/23/21	6:24	TT	461813
(LS) 13C-1234678-HpCDF	SW8290		**22 - 150**		**78.9**		%	11/23/21	6:24	TT	461813
(LS) 13C-1234789-HpCDF	SW8290		**22 - 150**		**85.6**		%	11/23/21	6:24	TT	461813
(LS) 13C-2378-TCDD	SW8290		**22 - 150**		**79.9**		%	11/23/21	6:24	TT	461813
(LS) 13C-12378-PeCDD	SW8290		**22 - 150**		**98.9**		%	11/23/21	6:24	TT	461813
(LS) 13C-123478-HxCDD	SW8290		**22 - 150**		**92.8**		%	11/23/21	6:24	TT	461813
(LS) 13C-123678-HxCDD	SW8290		**22 - 150**		**88.8**		%	11/23/21	6:24	TT	461813
(LS) 13C-1234678-HpCDD	SW8290		**22 - 150**		**79.8**		%	11/23/21	6:24	TT	461813
(LS) 13C-OCDD	SW8290		**22 - 150**		**70.9**		%	11/23/21	6:24	TT	461813
(CRS) 37Cl-2378-TCDD	SW8290		**40 - 135**		**108**		%	11/23/21	6:24	TT	461813

NOTE: E - estimated result due to ion ratio ouside criteria due to matrix interference

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	EB11162021	**Lab Sample ID:**	2111198-005A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Waste Water
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 9:35		
SDG:			

Prep Method:	245.1P	**Prep Batch Date/Time:**	11/18/21	11:20:00AM
Prep Batch ID:	1136976	**Prep Analyst:**	ERVS	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	E245.1	1	0.00013	0.00020	ND		mg/L	11/18/21	15:34	BJAY	461509

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	EB11162021	**Lab Sample ID:**	2111198-005A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Waste Water
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 9:35		
SDG:			

Prep Method:	200.7P	**Prep Batch Date/Time:**	11/18/21 11:20:00AM
Prep Batch ID:	1136980	**Prep Analyst:**	ERVS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	E200.7	1	0.0050	0.050	ND		mg/L	11/18/21	15:39	ERR	461496
Arsenic	E200.7	1	0.0040	0.010	ND		mg/L	11/18/21	15:39	ERR	461496
Barium	E200.7	1	0.0010	0.050	ND		mg/L	11/18/21	15:39	ERR	461496
Beryllium	E200.7	1	0.0010	0.050	ND		mg/L	11/18/21	15:39	ERR	461496
Cadmium	E200.7	1	0.0020	0.050	ND		mg/L	11/18/21	15:39	ERR	461496
Chromium	E200.7	1	0.0010	0.050	ND		mg/L	11/18/21	15:39	ERR	461496
Cobalt	E200.7	1	0.0010	0.050	ND		mg/L	11/18/21	15:39	ERR	461496
Copper	E200.7	1	0.0020	0.050	ND		mg/L	11/18/21	15:39	ERR	461496
Lead	E200.7	1	0.0014	0.050	ND		mg/L	11/18/21	15:39	ERR	461496
Molybdenum	E200.7	1	0.0020	0.050	ND		mg/L	11/18/21	15:39	ERR	461496
Nickel	E200.7	1	0.0020	0.050	ND		mg/L	11/18/21	15:39	ERR	461496
Selenium	E200.7	1	0.0070	0.050	ND		mg/L	11/18/21	15:39	ERR	461496
Silver	E200.7	1	0.0040	0.050	ND		mg/L	11/18/21	15:39	ERR	461496
Thallium	E200.7	1	0.0040	0.050	ND		mg/L	11/18/21	15:39	ERR	461496
Vanadium	E200.7	1	0.0020	0.050	ND		mg/L	11/18/21	15:39	ERR	461496
Zinc	E200.7	1	0.0020	0.050	ND		mg/L	11/18/21	15:39	ERR	461496

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	EB11162021	**Lab Sample ID:**	2111198-005B
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Waste Water
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 9:35		
SDG:			

Prep Method:	3510_BNA	**Prep Batch Date/Time:**	11/19/21 4:38:00PM
Prep Batch ID:	1137056	**Prep Analyst:**	NBAIN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosdimethylamine	SW8270C	1	2.35	20	ND		ug/L	11/20/21	17:20	MT	461557
Aniline	SW8270C	1	2.48	20	ND		ug/L	11/20/21	17:20	MT	461557
Phenol	SW8270C	1	1.46	20	ND		ug/L	11/20/21	17:20	MT	461557
Bis(2-chloroethyl) ether	SW8270C	1	1.69	10	ND		ug/L	11/20/21	17:20	MT	461557
2-Chlorophenol	SW8270C	1	2.50	20	ND		ug/L	11/20/21	17:20	MT	461557
1,3-Dichlorobenzene	SW8270C	1	1.33	10	ND		ug/L	11/20/21	17:20	MT	461557
1,4-Dichlorobenzene	SW8270C	1	1.58	10	ND		ug/L	11/20/21	17:20	MT	461557
1,2-Dichlorobenzene	SW8270C	1	1.31	10	ND		ug/L	11/20/21	17:20	MT	461557
2-Methylphenol (o-Cresol)	SW8270C	1	1.75	20	ND		ug/L	11/20/21	17:20	MT	461557
Bis(2-chloroisopropyl)ether	SW8270C	1	1.49	10	ND		ug/L	11/20/21	17:20	MT	461557
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	1	1.64	20	ND		ug/L	11/20/21	17:20	MT	461557
N-nitroso-di-n-propylamine	SW8270C	1	2.67	20	ND		ug/L	11/20/21	17:20	MT	461557
Hexachloroethane	SW8270C	1	1.33	10	ND		ug/L	11/20/21	17:20	MT	461557
Nitrobenzene	SW8270C	1	1.41	10	ND		ug/L	11/20/21	17:20	MT	461557
Isophorone	SW8270C	1	1.49	10	ND		ug/L	11/20/21	17:20	MT	461557
2-Nitrophenol	SW8270C	1	2.72	20	ND		ug/L	11/20/21	17:20	MT	461557
2,4-Dimethylphenol	SW8270C	1	1.91	20	ND		ug/L	11/20/21	17:20	MT	461557
Bis(2-Chloroethoxy)methane	SW8270C	1	1.38	10	ND		ug/L	11/20/21	17:20	MT	461557
2,4-Dichlorophenol	SW8270C	1	2.13	20	ND		ug/L	11/20/21	17:20	MT	461557
1,2,4-Trichlorobenzene	SW8270C	1	1.50	10	ND		ug/L	11/20/21	17:20	MT	461557
Naphthalene	SW8270C	1	1.42	10	ND		ug/L	11/20/21	17:20	MT	461557
2,6-Dichlorophenol	SW8270C	1	2.42	20	ND		ug/L	11/20/21	17:20	MT	461557
Hexachloro-1,3-butadiene	SW8270C	1	1.51	10	ND		ug/L	11/20/21	17:20	MT	461557
4-Chloro-3-methylphenol	SW8270C	1	1.47	20	ND		ug/L	11/20/21	17:20	MT	461557
2-Methylnaphthalene	SW8270C	1	1.34	10	ND		ug/L	11/20/21	17:20	MT	461557
Hexachlorocyclopentadiene	SW8270C	1	1.55	10	ND		ug/L	11/20/21	17:20	MT	461557
2,4,6-Trichlorophenol	SW8270C	1	2.50	20	ND		ug/L	11/20/21	17:20	MT	461557
2-Chloronaphthalene	SW8270C	1	1.43	10	ND		ug/L	11/20/21	17:20	MT	461557
Dimethyl phthalate	SW8270C	1	1.24	10	ND		ug/L	11/20/21	17:20	MT	461557
Acenaphthylene	SW8270C	1	1.48	10	ND		ug/L	11/20/21	17:20	MT	461557
2,6-Dinitrotoluene	SW8270C	1	1.29	10	ND		ug/L	11/20/21	17:20	MT	461557
Acenaphthene	SW8270C	1	1.40	10	ND		ug/L	11/20/21	17:20	MT	461557
2,4-Dinitrophenol	SW8270C	1	5.68	40	ND		ug/L	11/20/21	17:20	MT	461557
4-Nitrophenol	SW8270C	1	1.26	40	ND		ug/L	11/20/21	17:20	MT	461557
2,4-Dinitrotoluene	SW8270C	1	1.04	10	ND		ug/L	11/20/21	17:20	MT	461557
Diethylphthalate	SW8270C	1	0.760	10	ND		ug/L	11/20/21	17:20	MT	461557
Fluorene	SW8270C	1	1.18	10	ND		ug/L	11/20/21	17:20	MT	461557
4-Chlorophenyl phenyl ether	SW8270C	1	1.25	10	ND		ug/L	11/20/21	17:20	MT	461557
Diphenylamine	SW8270C	1	0.974	10	ND		ug/L	11/20/21	17:20	MT	461557

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	EB11162021	**Lab Sample ID:**	2111198-005B
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Waste Water
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 9:35		
SDG:			

Prep Method:	3510_BNA	**Prep Batch Date/Time:**	11/19/21 4:38:00PM
Prep Batch ID:	1137056	**Prep Analyst:**	NBAIN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Azobenzene	SW8270C	1	1.46	10	ND		ug/L	11/20/21	17:20	MT	461557
4-Bromophenyl phenyl ether	SW8270C	1	1.30	10	ND		ug/L	11/20/21	17:20	MT	461557
Hexachlorobenzene	SW8270C	1	1.22	10	ND		ug/L	11/20/21	17:20	MT	461557
Pentachlorophenol	SW8270C	1	1.53	20	ND		ug/L	11/20/21	17:20	MT	461557
Phenanthrene	SW8270C	1	0.911	10	ND		ug/L	11/20/21	17:20	MT	461557
Anthracene	SW8270C	1	0.922	10	ND		ug/L	11/20/21	17:20	MT	461557
Di-n-butylphthalate	SW8270C	1	0.639	10	ND		ug/L	11/20/21	17:20	MT	461557
Fluoranthene	SW8270C	1	0.272	10	ND		ug/L	11/20/21	17:20	MT	461557
Benzidine	SW8270C	1	18.0	20	ND		ug/L	11/20/21	17:20	MT	461557
Pyrene	SW8270C	1	0.585	10	ND		ug/L	11/20/21	17:20	MT	461557
Benzyl butyl phthalate	SW8270C	1	2.12	10	ND		ug/L	11/20/21	17:20	MT	461557
Benz[a]anthracene	SW8270C	1	0.304	10	ND		ug/L	11/20/21	17:20	MT	461557
3,3-Dichlorobenzidine	SW8270C	1	3.40	20	ND		ug/L	11/20/21	17:20	MT	461557
Chrysene	SW8270C	1	0.322	10	ND		ug/L	11/20/21	17:20	MT	461557
Bis(2-Ethylhexyl)phthalate	SW8270C	1	1.10	10	ND		ug/L	11/20/21	17:20	MT	461557
Di-n-octyl phthalate	SW8270C	1	0.581	10	ND		ug/L	11/20/21	17:20	MT	461557
Benzo[b]fluoranthene	SW8270C	1	0.389	10	ND		ug/L	11/20/21	17:20	MT	461557
Benzo[k]fluoranthene	SW8270C	1	0.427	10	ND		ug/L	11/20/21	17:20	MT	461557
Benzo[a]pyrene	SW8270C	1	0.394	10	ND		ug/L	11/20/21	17:20	MT	461557
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.558	10	ND		ug/L	11/20/21	17:20	MT	461557
Dibenz[a,h]anthracene	SW8270C	1	0.630	10	ND		ug/L	11/20/21	17:20	MT	461557
Benzo[g,h,i]perylene	SW8270C	1	0.704	10	ND		ug/L	11/20/21	17:20	MT	461557
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		21 - 100		**47.2**		%	11/20/21	17:20	MT	461557
Phenol-d6 (S)	SW8270C		10 - 94		**28.8**		%	11/20/21	17:20	MT	461557
Nitrobenzene-d5 (S)	SW8270C		31 - 116		**94.0**		%	11/20/21	17:20	MT	461557
2-Fluorobiphenyl (S)	SW8270C		21.3 - 123		**93.4**		%	11/20/21	17:20	MT	461557
2,4,6-Tribromophenol (S)	SW8270C		29.6 - 130		**88.9**		%	11/20/21	17:20	MT	461557
p-Terphenyl-d14 (S)	SW8270C		50 - 150		**97.4**		%	11/20/21	17:20	MT	461557

Prep Method:	8290W-P	**Prep Batch Date/Time:**	11/18/21 3:58:00PM
Prep Batch ID:	1137079	**Prep Analyst:**	LATZN
		Units:	%

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
2378-TCDF	SW8290	1	0.00087	0.0051	ND		pg/L	11/27/21	20:36	TT	461807
12378-PeCDF	SW8290	1	0.0028	0.025	ND		pg/L	11/27/21	20:36	TT	461807

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 11/17/21, 1:40 pm
Date Reported: 12/02/21

Client Sample ID:	EB11162021	**Lab Sample ID:**	2111198-005B
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Waste Water
Project Number:	403668001		
Date/Time Sampled:	11/16/21 / 9:35		
SDG:			

Prep Method:	8290W-P	**Prep Batch Date/Time:**	11/18/21	3:58:00PM
Prep Batch ID:	1137079	**Prep Analyst:**	LATZN	
		Units:	%	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
23478-PeCDF	SW8290	1	0.0028	0.025	ND		pg/L	11/27/21	20:36	TT	461807
123478-HxCDF	SW8290	1	0.0018	0.025	ND		pg/L	11/27/21	20:36	TT	461807
123678-HxCDF	SW8290	1	0.0024	0.025	ND		pg/L	11/27/21	20:36	TT	461807
234678-HxCDF	SW8290	1	0.0016	0.025	ND		pg/L	11/27/21	20:36	TT	461807
123789-HxCDF	SW8290	1	0.0023	0.025	ND		pg/L	11/27/21	20:36	TT	461807
1234678-HpCDF	SW8290	1	0.0018	0.025	ND		pg/L	11/27/21	20:36	TT	461807
1234789-HpCDF	SW8290	1	0.0018	0.025	ND		pg/L	11/27/21	20:36	TT	461807
OCDF	SW8290	1	0.0037	0.061	ND		pg/L	11/27/21	20:36	TT	461807
2378-TCDD	SW8290	1	0.0012	0.0051	ND		pg/L	11/27/21	20:36	TT	461807
12378-PeCDD	SW8290	1	0.0018	0.025	ND		pg/L	11/27/21	20:36	TT	461807
123478-HxCDD	SW8290	1	0.0017	0.025	ND		pg/L	11/27/21	20:36	TT	461807
123678-HxCDD	SW8290	1	0.0017	0.025	ND		pg/L	11/27/21	20:36	TT	461807
123789-HxCDD	SW8290	1	0.0017	0.025	ND		pg/L	11/27/21	20:36	TT	461807
1234678-HpCDD	SW8290	1	0.0027	0.025	ND		pg/L	11/27/21	20:36	TT	461807
OCDD	SW8290	1	0.0037	0.051	ND		pg/L	11/27/21	20:36	TT	461807
Total-Dioxins	SW8290	1	0.0012	0.0051	ND		pg/L	11/27/21	20:36	TT	461807
Total-Furans	SW8290	1	0.00087	0.0051	ND		pg/L	11/27/21	20:36	TT	461807
Total-TEQ	SW8290	1	0.0002	0.014	**<0.0140**		pg/L	11/27/21	20:36	TT	461807
			Acceptance Limits								
(LS) 13C-2378-TCDF	SW8290		**22 - 150**		**78.4**		%	11/27/21	20:36	TT	461807
(LS) 13C-12378-PeCDF	SW8290		**22 - 150**		**93.8**		%	11/27/21	20:36	TT	461807
(LS) 13C-23478-PeCDF	SW8290		**22 - 150**		**96.6**		%	11/27/21	20:36	TT	461807
(LS) 13C-123478-HxCDF	SW8290		**22 - 150**		**87.6**		%	11/27/21	20:36	TT	461807
(LS) 13C-123678-HxCDF	SW8290		**22 - 150**		**79.2**		%	11/27/21	20:36	TT	461807
(LS) 13C-234678-HxCDF	SW8290		**22 - 150**		**88.7**		%	11/27/21	20:36	TT	461807
(LS) 13C-123789-HxCDF	SW8290		**22 - 150**		**88.4**		%	11/27/21	20:36	TT	461807
(LS) 13C-1234678-HpCDF	SW8290		**22 - 150**		**90.9**		%	11/27/21	20:36	TT	461807
(LS) 13C-1234789-HpCDF	SW8290		**22 - 150**		**94.5**		%	11/27/21	20:36	TT	461807
(LS) 13C-2378-TCDD	SW8290		**22 - 150**		**80.3**		%	11/27/21	20:36	TT	461807
(LS) 13C-12378-PeCDD	SW8290		**22 - 150**		**100**		%	11/27/21	20:36	TT	461807
(LS) 13C-123478-HxCDD	SW8290		**22 - 150**		**90.2**		%	11/27/21	20:36	TT	461807
(LS) 13C-123678-HxCDD	SW8290		**22 - 150**		**85.4**		%	11/27/21	20:36	TT	461807
(LS) 13C-1234678-HpCDD	SW8290		**22 - 150**		**95.6**		%	11/27/21	20:36	TT	461807
(LS) 13C-OCDD	SW8290		**22 - 150**		**86.7**		%	11/27/21	20:36	TT	461807
(CRS) 37Cl-2378-TCDD	SW8290		**40 - 135**		**116**		%	11/27/21	20:36	TT	461807

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2111198	**Prep Method:**	245.1P	**Prep Date:**	11/18/21	**Prep Batch:**	1136976
Matrix:	Water	**Analytical Method:**	E245.1	**Analyzed Date:**	11/18/2021	**Analytical Batch:**	461509
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.00013	0.00020	ND	

Work Order:	2111198	**Prep Method:**	200.7P	**Prep Date:**	11/18/21	**Prep Batch:**	1136980
Matrix:	Water	**Analytical Method:**	E200.7	**Analyzed Date:**	11/18/2021	**Analytical Batch:**	461496
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.0050	0.050	ND	
Arsenic	0.0040	0.010	ND	
Barium	0.0010	0.050	ND	
Beryllium	0.0010	0.050	ND	
Cadmium	0.0020	0.050	ND	
Chromium	0.0010	0.050	0.022	
Cobalt	0.0010	0.050	ND	
Copper	0.0020	0.050	ND	
Lead	0.0014	0.050	ND	
Molybdenum	0.0020	0.010	ND	
Nickel	0.0020	0.050	ND	
Selenium	0.0070	0.050	ND	
Silver	0.0040	0.050	ND	
Thallium	0.0040	0.050	ND	
Vanadium	0.0010	0.050	0.0014	
Zinc	0.0020	0.050	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2111198	**Prep Method:**	3546_BNA	**Prep Date:**	11/19/21	**Prep Batch:**	1137022
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	11/20/2021	**Analytical Batch:**	461558
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
N-Nitrosodimethylamine	46.9	720	ND		
Phenol	43.8	288	ND		
Bis(2-chloroethyl)ether	13.3	144	ND		
2-Chlorophenol	47.7	288	ND		
1,3-Dichlorobenzene	13.1	144	ND		
1,4-Dichlorobenzene	14.6	144	ND		
Benzyl Alcohol	20.5	288	ND		
1,2-Dichlorobenzene	13.5	144	ND		
2-Methylphenol (o-Cresol)	29.3	288	ND		
N-Methyl-2-Pyrrolidone (NMP)	68.0	720	ND		
3-/4-Methylphenol (p-/m-Cresol)	31.3	288	ND		
N-nitroso-di-n-propylamine	13.2	144	ND		
Hexachloroethane	17.1	144	ND		
Nitrobenzene	12.8	144	ND		
Isophorone	12.2	144	ND		
2-Nitrophenol	25.4	288	ND		
2,4-Dimethylphenol	22.8	288	ND		
Benzoic Acid	41.7	288	ND		
Bis(2-Chloroethoxy)methane	9.79	144	ND		
Bis(2-chloroisopropyl)ether	12.6	144	ND		
2,4-Dichlorophenol	39.3	288	ND		
1,2,4-Trichlorobenzene	11.8	144	ND		
Naphthalene	10.6	144	ND		
2,6-Dichlorophenol	35.8	288	ND		
Hexachloro-1,3-butadiene	8.34	144	ND		
4-Chloro-3-methylphenol	33.8	288	ND		
2-Methylnaphthalene	10.4	144	ND		
1-Methylnaphthalene	12.2	144	ND		
Hexachlorocyclopentadiene	12.9	144	ND		
2,4,6-Trichlorophenol	35.9	288	ND		
2,4,5-Trichlorophenol	33.4	288	ND		
2-Chloronaphthalene	10.6	144	ND		
1,4-Dinitrobenzene	10.3	144	ND		
Dimethyl phthalate	14.2	720	ND		
1,3-Dinitrobenzene	10.4	144	ND		
Acenaphthylene	8.28	144	ND		
2,6-Dinitrotoluene	11.3	144	ND		
1,2-Dinitrobenzene	15.8	144	ND		
Acenaphthene	10.7	144	ND		
2,4-Dinitrophenol	77.6	720	ND		
4-Nitrophenol	54.7	720	ND		
Dibenzofuran	11.2	144	ND		
2,4-Dinitrotoluene	12.1	144	ND		
2,3,5,6-Tetrachlorophenol	27.6	288	ND		
2,3,4,6-Tetrachlorophenol	31.5	288	ND		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2111198	**Prep Method:**	3546_BNA	**Prep Date:**	11/19/21	**Prep Batch:**	1137022
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	11/20/2021	**Analytical Batch:**	461558
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Diethylphthalate	13.6	720	ND	
Fluorene	10.3	144	ND	
4-Chlorophenyl-phenylether	9.32	144	ND	
4,6-Dinitro-2-methylphenol	13.4	288	ND	
Diphenylamine	13.0	144	ND	
Azobenzene	114	144	ND	
4-Bromophenyl-phenylether	8.23	144	ND	
Hexachlorobenzene	8.66	144	ND	
Pentachlorophenol	25.0	288	ND	
Phenanthrene	9.32	144	ND	
Anthracene	8.91	144	ND	
Carbazole	10.7	144	ND	
Di-n-butylphthalate	13.5	144	ND	
Fluoranthene	10.0	144	ND	
Benzidine	147	144	ND	
Pyrene	12.0	144	ND	
Butylbenzylphthalate	21.0	720	ND	
Benzo(a)anthracene	9.80	144	ND	
3,3-Dichlorobenzidine	118	144	ND	
Chrysene	15.2	144	ND	
Bis(2-Ethylhexyl)phthalate	15.3	720	ND	
Di-n-Octylphthalate	12.3	144	ND	
Benzo(b)fluorathene	12.0	144	ND	
benzo(k)fluorathene	8.16	144	ND	
Benzo(a)pyrene	9.80	144	ND	
Indeno(1,2,3-c,d)pyrene	13.8	144	ND	
Dibenzo(a,h)anthracene	12.7	144	ND	
Benzo(g,h,i)perylene	12.7	144	ND	
Pyridine	43.8	720	ND	
2-Fluorophenol (S)			89.2	
Phenol-d6 (S)			96.1	
2,4,6-Tribromophenol (S)			91.1	
2-Fluorobiphenyl (S)			92.9	
Nitrobenzene-d5 (S)			88.8	
p-Terphenyl-d14 (S)			97.6	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2111198	**Prep Method:**	3510_BNA	**Prep Date:**	11/19/21	**Prep Batch:**	1137056
Matrix:	Water	**Analytical Method:**	SW8270C	**Analyzed Date:**	11/20/2021	**Analytical Batch:**	461557
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
N-Nitrosdimethylamine	2.12	20	ND		
Aniline	2.35	20	ND		
Phenol	2.48	20	ND		
Bis(2-chloroethyl) ether	1.46	20	ND		
2-Chlorophenol	1.69	10	ND		
1,3-Dichlorobenzene	2.50	20	ND		
1,4-Dichlorobenzene	1.33	10	ND		
1,2-Dichlorobenzene	1.58	10	ND		
2-Methylphenol (o-Cresol)	1.34	10	ND		
Bis(2-chloroisopropyl)ether	1.31	10	ND		
3-/4-Methylphenol (p-/m-Cresol)	1.75	20	ND		
N-nitroso-di-n-propylamine	1.14	10	ND		
Hexachloroethane	1.49	10	ND		
Nitrobenzene	1.64	20	ND		
Isophorone	2.67	20	ND		
2-Nitrophenol	1.33	10	ND		
2,4-Dimethylphenol	1.41	10	ND		
Bis(2-Chloroethoxy)methane	1.49	10	ND		
2,4-Dichlorophenol	2.72	20	ND		
1,2,4-Trichlorobenzene	1.91	20	ND		
Naphthalene	2.76	20	ND		
2,6-Dichlorophenol	1.38	10	ND		
Hexachloro-1,3-butadiene	2.13	20	ND		
4-Chloro-3-methylphenol	1.50	10	ND		
2-Methylnaphthalene	1.42	10	ND		
Hexachlorocyclopentadiene	1.76	10	ND		
2,4,6-Trichlorophenol	2.42	20	ND		
2-Chloronaphthalene	1.51	10	ND		
Dimethyl phthalate	1.47	20	ND		
Acenaphthylene	1.34	10	ND		
2,6-Dinitrotoluene	1.47	10	ND		
Acenaphthene	1.55	10	ND		
2,4-Dinitrophenol	2.50	20	ND		
4-Nitrophenol	1.87	20	ND		
2,4-Dinitrotoluene	1.43	10	ND		
Diethylphthalate	2.27	20	ND		
Fluorene	1.15	10	ND		
4-Chlorophenyl phenyl ether	1.24	10	ND		
Diphenylamine	1.43	10	ND		
Azobenzene	1.48	10	ND		
4-Bromophenyl phenyl ether	1.29	10	ND		
Hexachlorobenzene	1.44	10	ND		
Pentachlorophenol	4.34	20	ND		
Phenanthrene	0.000	0.00	0.000		
Anthracene	5.68	40	ND		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2111198	**Prep Method:**	3510_BNA	**Prep Date:**	11/19/21	**Prep Batch:**	1137056
Matrix:	Water	**Analytical Method:**	SW8270C	**Analyzed Date:**	11/20/2021	**Analytical Batch:**	461557
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Di-n-butylphthalate	1.26	40	ND		
Fluoranthene	1.27	10	ND		
Benzidine	1.04	10	ND		
Pyrene	1.44	20	ND		
Benzyl butyl phthalate	1.58	20	ND		
Benz[a]anthracene	0.760	10	ND		
3,3-Dichlorobenzidine	1.18	10	ND		
Chrysene	1.25	10	ND		
Bis(2-Ethylhexyl)phthalate	3.81	20	ND		
Di-n-octyl phthalate	2.80	20	ND		
Benzo[b]fluoranthene	0.974	10	ND		
Benzo[k]fluoranthene	1.46	10	ND		
Benzo[a]pyrene	1.30	10	ND		
Indeno[1,2,3-cd]pyrene	1.22	10	ND		
Dibenz[a,h]anthracene	1.53	20	ND		
Benzo[g,h,i]perylene	0.911	10	ND		
2-Fluorophenol (S)			32.8		
Phenol-d6 (S)			22.0		
Nitrobenzene-d5 (S)			47.0		
2-Fluorobiphenyl (S)			52.9		
2,4,6-Tribromophenol (S)			70.3		
p-Terphenyl-d14 (S)			88.7		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2111198	**Prep Method:**	8290S-P	**Prep Date:**	11/13/21	**Prep Batch:**	1137060
Matrix:	Soil	**Analytical Method:**	SW8290	**Analyzed Date:**	11/23/2021	**Analytical Batch:**	461813
Units:	pg/g						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
2378-TCDF	0.21	0.48	ND	
12378-PeCDF	1.00	4.8	ND	
23478-PeCDF	0.66	4.8	ND	
123478-HxCDF	0.49	4.8	ND	
123678-HxCDF	1.1	4.8	ND	
234678-HxCDF	1.4	4.8	ND	
123789-HxCDF	1.9	4.8	ND	
1234678-HpCDF	1.8	4.8	ND	
1234789-HpCDF	1.1	4.8	ND	
OCDF	1.4	29	26.2	
2378-TCDD	0.20	0.48	ND	
12378-PeCDD	1.1	4.8	ND	
123478-HxCDD	0.91	4.8	ND	
123678-HxCDD	1.3	4.8	ND	
123789-HxCDD	3.2	4.8	ND	
1234678-HpCDD	1.5	4.8	ND	
OCDD	4.3	24	14.9	
Total-Dioxins	0.20	4.8	ND	
Total-Furans	0.21	0.48	ND	
OCDD			0.000	
(LS) 13C-2378-TCDF			67.1	
(LS) 13C-12378-PeCDF			85.2	
(LS) 13C-23478-PeCDF			93.4	
(LS) 13C-123478-HxCDF			75.9	
(LS) 13C-123678-HxCDF			69.4	
(LS) 13C-234678-HxCDF			79.8	
(LS) 13C-123789-HxCDF			81.4	
(LS) 13C-1234678-HpCDF			82.2	
(LS) 13C-1234789-HpCDF			75.8	
(LS) 13C-2378-TCDD			71.0	
(LS) 13C-12378-PeCDD			89.8	
(LS) 13C-123478-HxCDD			75.6	
(LS) 13C-123678-HxCDD			74.9	
(LS) 13C-1234678-HpCDD			75.1	
(LS) 13C-OCDD			65.2	
(CRS) 37Cl-2378-TCDD			140	S

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2111198	**Prep Method:**	8290W-P	**Prep Date:**	11/18/21	**Prep Batch:**	1137079
Matrix:	Water	**Analytical Method:**	SW8290	**Analyzed Date:**	11/27/2021	**Analytical Batch:**	461807
Units:	pg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
2378-TCDF	0.00086	0.0050	ND	
12378-PeCDF	0.0027	0.025	ND	
23478-PeCDF	0.0028	0.025	ND	
123478-HxCDF	0.0018	0.025	ND	
123678-HxCDF	0.0024	0.025	ND	
234678-HxCDF	0.0016	0.025	ND	
123789-HxCDF	0.0022	0.025	ND	
1234678-HpCDF	0.0018	0.025	ND	
1234789-HpCDF	0.0018	0.025	ND	
OCDF	0.0037	0.060	0.0542	
2378-TCDD	0.0011	0.0050	ND	
12378-PeCDD	0.0018	0.025	ND	
123478-HxCDD	0.0017	0.025	ND	
123678-HxCDD	0.0016	0.025	ND	
123789-HxCDD	0.0017	0.025	ND	
1234678-HpCDD	0.0027	0.025	ND	
OCDD	0.0037	0.050	ND	
Total-Dioxins	0.0011	0.0050	ND	
Total-Furans	0.00086	0.0050	ND	
Total-TEQ	0.00020	0.014	<0.0140	
(LS) 13C-2378-TCDF			66.7	
(LS) 13C-12378-PeCDF			78.9	
(LS) 13C-23478-PeCDF			82.7	
(LS) 13C-123478-HxCDF			74.4	
(LS) 13C-123678-HxCDF			68.2	
(LS) 13C-234678-HxCDF			77.7	
(LS) 13C-123789-HxCDF			77.6	
(LS) 13C-1234678-HpCDF			84.7	
(LS) 13C-1234789-HpCDF			85.6	
(LS) 13C-2378-TCDD			71.2	
(LS) 13C-12378-PeCDD			83.7	
(LS) 13C-123478-HxCDD			76.5	
(LS) 13C-123678-HxCDD			74.8	
(LS) 13C-1234678-HpCDD			84.7	
(LS) 13C-OCDD			76.0	
(CRS) 37Cl-2378-TCDD			131	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2111198	**Prep Method:**	7471BP	**Prep Date:**	11/27/21	**Prep Batch:**	1137236
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	11/29/2021	**Analytical Batch:**	461738
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.083	0.50	ND	

Work Order:	2111198	**Prep Method:**	3050B	**Prep Date:**	11/27/21	**Prep Batch:**	1137280
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	11/30/2021	**Analytical Batch:**	461787
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.050	5.00	ND	
Arsenic	0.15	1.30	0.54	
Barium	0.055	5.00	0.060	
Beryllium	0.055	5.00	ND	
Cadmium	0.10	5.00	ND	
Chromium	0.075	5.00	ND	
Cobalt	0.070	5.00	ND	
Copper	0.20	5.00	ND	
Lead	0.10	3.00	ND	
Molybdenum	0.050	5.00	0.28	
Nickel	0.50	5.00	ND	
Selenium	0.22	5.00	ND	
Silver	0.15	1.00	ND	
Thallium	0.55	5.00	ND	
Vanadium	0.10	5.00	0.24	
Zinc	0.30	5.00	ND	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2111198	**Prep Method:**	245.1P	**Prep Date:**	11/18/21	**Prep Batch:**	1136976
Matrix:	Water	**Analytical Method:**	E245.1	**Analyzed Date:**	11/18/2021	**Analytical Batch:**	461509
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.00013	0.00020	ND	0.015	119	119	0.560	85 - 115	20	S

Work Order:	2111198	**Prep Method:**	200.7P	**Prep Date:**	11/18/21	**Prep Batch:**	1136980
Matrix:	Water	**Analytical Method:**	E200.7	**Analyzed Date:**	11/18/2021	**Analytical Batch:**	461496
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.0050	0.010	ND	1	103	101	1.96	80 - 120	20	
Arsenic	0.0040	0.010	ND	1	102	101	0.985	80 - 120	20	
Barium	0.0010	0.0050	ND	1	103	101	1.96	80 - 120	20	
Beryllium	0.0010	0.0050	ND	1	104	103	0.966	80 - 120	20	
Cadmium	0.0020	0.0050	ND	1	102	101	0.985	80 - 120	20	
Chromium	0.0010	0.0050	0.022	1	103	102	0.976	80 - 120	20	
Cobalt	0.0010	0.0050	ND	1	104	103	0.966	80 - 120	20	
Copper	0.0020	0.0050	ND	1	104	102	1.94	80 - 120	20	
Lead	0.0014	0.010	ND	1	104	102	1.94	80 - 120	20	
Molybdenum	0.0020	0.010	ND	1	104	103	0.966	80 - 120	20	
Nickel	0.0020	0.0050	ND	1	103	101	1.96	80 - 120	20	
Selenium	0.0070	0.010	ND	1	102	100	1.98	80 - 120	20	
Silver	0.0040	0.010	ND	1	101	99.1	1.90	80 - 120	20	
Thallium	0.0040	0.015	ND	1	102	101	0.985	80 - 120	20	
Vanadium	0.0020	0.0050	0.0014	1	103	101	1.96	80 - 120	20	
Zinc	0.0020	0.0050	ND	1	102	101	0.985	80 - 120	20	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2111198	**Prep Method:**	3546_BNA	**Prep Date:**	11/19/21	**Prep Batch:**	1137022
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	11/20/2021	**Analytical Batch:**	461558
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Phenol	43.8	288	ND	1600	82.8	84.4	1.49	40 - 100	30	
2-Chlorophenol	47.7	288	ND	1600	95.0	95.3	0.656	45 - 105	30	
Bis(2-chloroethyl)ether	14.6	144	ND	800	94.8	94.5	0.396	35 - 105	30	
N-nitroso-di-n-propylamine	13.2	144	ND	1600	94.6	98.6	4.53	40 - 115	30	
1,2,4-Trichlorobenzene	11.8	144	ND	800	95.5	93.9	1.58	45 - 110	30	
1,4-Dichlorobenzene	33.8	288	ND	1600	99.3	102	2.48	45 - 110	30	
Acenaphthene	10.7	144	ND	800	97.0	98.0	1.03	45 - 110	30	
4-Nitrophenol	54.7	720	ND	1600	108	111	3.43	15 - 140	30	
2,4-Dinitrotoluene	12.1	144	ND	800	108	108	0.694	50 - 115	30	
N-Methyl-2-Pyrrolidone (NMP)	12.0	144	ND	1600	90.1	91.7	2.06	25 - 120	30	
Pyrene	12.0	144		800	96.5	98.0	1.54	45 - 145	30	
2-Fluorophenol (S)				22200	100	103		25 - 121		
Phenol-d6 (S)				22200	103	106		24 - 113		
2,4,6-Tribromophenol (S)				22200	106	106		19 - 122		
2-Fluorobiphenyl (S)				11100	103	104		30 - 143		
Nitrobenzene-d5 (S)				11100	96.8	101		23 - 120		
p-Terphenyl-d14 (S)				11100	102	104		18 - 137		

Work Order:	2111198	**Prep Method:**	3510_BNA	**Prep Date:**	11/19/21	**Prep Batch:**	1137056
Matrix:	Water	**Analytical Method:**	SW8270C	**Analyzed Date:**	11/20/2021	**Analytical Batch:**	461557
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Phenol	1.5	20	ND	40.00	27.8	36.3	26.6	25 - 100	30	
2-Chlorophenol	2.5	20	ND	40.00	62.7	78.6	22.3	35 - 105	30	
1,4-Dichlorobenzene	1.6	10	ND	20.00	50.0	57.7	14.1	30 - 100	30	
N-nitroso-di-n-propylamine	2.7	20	ND	40.00	64.5	79.8	21.1	35 - 130	30	
1,2,4-Trichlorobenzene	1.5	10	ND	20.00	53.8	61.4	13.0	35 - 105	30	
4-Chloro-3-methylphenol	1.5	20	ND	40.00	76.3	90.0	16.5	30 - 110	30	
Acenaphthene	1.4	10	ND	20.00	73.3	83.7	12.7	45 - 110	30	
4-Nitrophenol	1.3	40	ND	40.00	38.7	44.8	14.4	25 - 115	30	
2,4-Dinitrotoluene	1.0	10	ND	20.00	94.3	101	7.14	50 - 120	30	
Pentachlorophenol	1.2	10	ND	40.00	80.7	85.2	5.42	40 - 115	30	
Pyrene	0.59	10	ND	20.00	89.8	94.4	4.88	50 - 130	30	
2-Fluorophenol (S)				22220	41.9	51.3		21 - 100		
Phenol-d6 (S)				22220	28.1	34.9		10 - 94		
Nitrobenzene-d5 (S)				11110	64.7	74.9		31 - 116		
2-Fluorobiphenyl (S)				11110	75.2	83.0		21.3 - 123		
2,4,6-Tribromophenol (S)				22220	95.8	94.0		29.6 - 130		
p-Terphenyl-d14 (S)				11110	98.7	97.7		50 - 150		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2111198	**Prep Method:**	8290S-P	**Prep Date:**	11/13/21	**Prep Batch:**	1137060
Matrix:	Soil	**Analytical Method:**	SW8290	**Analyzed Date:**	11/23/2021	**Analytical Batch:**	461813
Units:	pg/g						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
2378-TCDF	0.21	0.48	ND	50	94.2			65 - 135		
12378-PeCDF	0.99	4.8	ND	200	96.4			65 - 135		
23478-PeCDF	0.65	4.8	ND	200	97.8			65 - 135		
123478-HxCDF	0.48	4.8	ND	200	81.7			65 - 135		
123678-HxCDF	1.1	4.8	ND	200	90.1			65 - 135		
234678-HxCDF	1.4	4.8	ND	200	83.0			65 - 135		
123789-HxCDF	1.8	4.8	ND	200	82.7			65 - 135		
1234678-HpCDF	1.8	4.8	ND	200	97.3			65 - 135		
1234789-HpCDF	1.1	4.8	ND	200	96.6			65 - 135		
OCDF	1.4	29	26.2	500	99.1			65 - 135		
2378-TCDD	0.20	0.48	ND	50	93.5			65 - 135		
12378-PeCDD	1.1	4.8	ND	200	96.5			65 - 135		
123478-HxCDD	0.90	4.8	ND	200	86.0			65 - 135		
123678-HxCDD	1.3	4.8	ND	200	86.0			65 - 135		
123789-HxCDD	3.1	4.8	ND	200	94.1			65 - 135		
1234678-HpCDD	1.5	4.8	ND	200	103			65 - 135		
OCDD	4.2	24	14.9	500	83.0			65 - 135		
(LS) 13C-2378-TCDF				100	69.0			22 - 150		
(LS) 13C-12378-PeCDF				100	83.2			22 - 150		
(LS) 13C-23478-PeCDF				100	86.7			22 - 150		
(LS) 13C-123478-HxCDF				100	74.9			22 - 150		
(LS) 13C-123678-HxCDF				100	68.0			22 - 150		
(LS) 13C-234678-HxCDF				100	75.8			22 - 150		
(LS) 13C-123789-HxCDF				100	79.4			22 - 150		
(LS) 13C-1234678-HpCDF				100	73.4			22 - 150		
(LS) 13C-1234789-HpCDF				100	74.0			22 - 150		
(LS) 13C-2378-TCDD				100	69.8			22 - 150		
(LS) 13C-12378-PeCDD				100	85.4			22 - 150		
(LS) 13C-123478-HxCDD				100	72.4			22 - 150		
(LS) 13C-123678-HxCDD				100	70.6			22 - 150		
(LS) 13C-1234678-HpCDD				100	67.7			22 - 150		
(LS) 13C-OCDD				200	61.8			22 - 150		
(CRS) 37Cl-2378-TCDD				10	120			40 - 135		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2111198	**Prep Method:**	8290W-P	**Prep Date:**	11/18/21	**Prep Batch:**	1137079
Matrix:	Water	**Analytical Method:**	SW8290	**Analyzed Date:**	11/27/2021	**Analytical Batch:**	461807
Units:	pg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
2378-TCDF	0.00086	0.0050	ND	0.1	84.3			65 - 135		
12378-PeCDF	0.0027	0.025	ND	0.5	93.0			65 - 135		
23478-PeCDF	0.0028	0.025	ND	0.5	85.6			65 - 135		
123478-HxCDF	0.0018	0.025	ND	0.5	90.2			65 - 135		
123678-HxCDF	0.0024	0.025	ND	0.5	101			65 - 135		
234678-HxCDF	0.0016	0.025	ND	0.5	86.7			65 - 135		
123789-HxCDF	0.0022	0.025	ND	0.5	92.7			65 - 135		
1234678-HpCDF	0.0018	0.025	ND	0.5	99.3			65 - 135		
1234789-HpCDF	0.0018	0.025	ND	0.5	98.0			65 - 135		
OCDF	0.0037	0.050	0.0542	1	89.9			65 - 135		
2378-TCDD	0.0011	0.0050	ND	0.1	83.4			65 - 135		
12378-PeCDD	0.0018	0.025	ND	0.5	87.9			65 - 135		
123478-HxCDD	0.0017	0.025	ND	0.5	88.8			65 - 135		
123678-HxCDD	0.0016	0.025	ND	0.5	88.2			65 - 135		
123789-HxCDD	0.0017	0.025	ND	0.5	88.6			65 - 135		
1234678-HpCDD	0.0027	0.025	ND	0.5	96.4			65 - 135		
OCDD	0.0037	0.050	ND	1	87.0			65 - 135		
(LS) 13C-2378-TCDF				100	67.6			22 - 150		
(LS) 13C-12378-PeCDF				100	88.4			22 - 150		
(LS) 13C-23478-PeCDF				100	92.9			22 - 150		
(LS) 13C-123478-HxCDF				100	90.2			22 - 150		
(LS) 13C-123678-HxCDF				100	81.6			22 - 150		
(LS) 13C-234678-HxCDF				100	93.0			22 - 150		
(LS) 13C-123789-HxCDF				100	92.1			22 - 150		
(LS) 13C-1234678-HpCDF				100	94.5			22 - 150		
(LS) 13C-1234789-HpCDF				100	101			22 - 150		
(LS) 13C-2378-TCDD				100	70.0			22 - 150		
(LS) 13C-12378-PeCDD				100	98.5			22 - 150		
(LS) 13C-123478-HxCDD				100	94.4			22 - 150		
(LS) 13C-123678-HxCDD				100	89.3			22 - 150		
(LS) 13C-1234678-HpCDD				100	101			22 - 150		
(LS) 13C-OCDD				200	89.0			22 - 150		
(CRS) 37Cl-2378-TCDD				10	131			40 - 135		

Work Order:	2111198	**Prep Method:**	7471BP	**Prep Date:**	11/27/21	**Prep Batch:**	1137236
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	11/29/2021	**Analytical Batch:**	461738
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	103	99.3	3.95	80 - 120	30	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2111198	**Prep Method:**	3050B	**Prep Date:**	11/27/21	**Prep Batch:**	1137280
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	11/30/2021	**Analytical Batch:**	461787
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	ND	50	98.9	97.5	1.42	80 - 120	30	
Arsenic	0.15	1.30	0.54	50	103	103	0.000	80 - 120	30	
Barium	0.055	5.00	0.060	50	108	107	0.930	80 - 120	30	
Beryllium	0.055	5.00	ND	50	107	105	1.89	80 - 120	30	
Cadmium	0.10	5.00	ND	50	104	103	0.966	80 - 120	30	
Chromium	0.075	5.00	ND	50	107	107	0.000	80 - 120	30	
Cobalt	0.070	5.00	ND	50	106	105	0.948	80 - 120	30	
Copper	0.20	5.00	ND	50	109	110	0.913	80 - 120	30	
Lead	0.10	3.00	ND	50	105	103	1.92	80 - 120	30	
Molybdenum	0.050	5.00	0.28	50	111	110	0.905	80 - 120	30	
Nickel	0.50	5.00	ND	50	105	104	0.957	80 - 120	30	
Selenium	0.22	5.00	ND	50	93.5	92.7	0.858	80 - 120	30	
Silver	0.15	5.00	ND	50	104	103	0.966	80 - 120	30	
Thallium	0.20	5.00	ND	50	104	103	0.966	80 - 120	30	
Vanadium	0.10	5.00	0.24	50	107	106	0.939	80 - 120	30	
Zinc	0.30	5.00	ND	50	103	102	0.976	80 - 120	30	

Torrent LABORATORY, INC.

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2111198	**Prep Method:**	3546_BNA	**Prep Date:**	11/19/21	**Prep Batch:**	1137022
Matrix:	**Soil**	**Analytical Method:**	SW8270C	**Analyzed Date:**	11/20/2021	**Analytical Batch:**	461558
Spiked Sample:	2111198-004A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Phenol	43.8	288	ND	1600	81.1	83.0	2.28	40 - 100	30	
2-Chlorophenol	47.7	288	ND	1600	83.9	85.8	2.21	45 - 105	30	
1,4-Dichlorobenzene	14.6	144	ND	800	83.0	84.7	2.09	35 - 105	30	
N-nitroso-di-n-propylamine	13.2	144	ND	1600	84.5	88.1	4.35	40 - 115	30	
1,2,4-Trichlorobenzene	11.8	144	ND	800	83.5	85.7	2.66	45 - 110	30	
4-Chloro-3-methylphenol	33.8	288	ND	1600	86.4	89.8	4.26	45 - 110	30	
Acenaphthene	10.7	144	ND	800	84.5	88.7	4.77	45 - 110	30	
4-Nitrophenol	54.7	720	ND	1600	97.7	99.1	1.90	15 - 140	30	
2,4-Dinitrotoluene	12.1	144	ND	800	92.1	95.9	4.13	50 - 115	30	
Pentachlorophenol	9.32	144	ND	1600	80.7	82.2	1.54	25 - 120	30	
Pyrene	12.0	144	ND	800	85.8	88.4	2.87	45 - 145	30	
2-Fluorophenol (S)				22200	89.8	90.2		25 - 121		
Phenol-d6 (S)				22200	93.2	93.6		24 - 113		
2,4,6-Tribromophenol (S)				22200	95.1	94.1		19 - 122		
2-Fluorobiphenyl (S)				11100	91.0	92.6		30 - 143		
Nitrobenzene-d5 (S)				11100	87.5	89.2		23 - 120		
p-Terphenyl-d14 (S)				11100	91.7	93.1		18 - 137		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Ninyo & Moore

Project Name: Cole Administration Building

Work Order No.: 2111198

Date and Time Received: 11/17/2021 1:40:00PM

Received By: Lorna Imbat

Physically Logged By: Lorna Imbat

Checklist Completed By: Lorna Imbat

Carrier Name: FedEx

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	4.0	°C
Water-VOA vials have zero headspace?	Yes			
Water-pH acceptable upon receipt?	Yes			

pH Checked by: Lorna Imbat

pH Adjusted by: n/a

Comments:

Torrent LABORATORY, INC.

Login Summary Report

Client ID: TL5144 Ninyo & Moore
Project Name: Cole Administration Building
Project # : 403668001
Report Due Date: 12/1/2021
Comments:
Work Order # : ***2111198***

QC Level: II
TAT Requested: 10 Day:10
Date Received: 11/17/2021
Time Received: 1:40 pm

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
2111198-001A	AOC5-S7-0.5	11/16/21 9:57	Soil	05/15/22			SVO_S_8270CFull Dioxins_8290_S Met_S_6010B CAM17 Hg_S_7471B	
2111198-002A	AOC5-S7-2.0	11/16/21 10:00	Soil	05/15/22			SVO_S_8270CFull Met_S_6010B CAM17 Dioxins_8290_S Hg_S_7471B	
2111198-003A	AOC5-S7-5.0	11/16/21 10:02	Soil	05/15/22			SVO_S_8270CFull Dioxins_8290_S Met_S_6010B CAM17 Hg_S_7471B	
2111198-004A	AOC5-S7-5.0 Dup	11/16/21 9:35	Soil	05/15/22			SVO_S_8270CFull Dioxins_8290_S Met_S_6010B CAM17 Hg_S_7471B	
2111198-005A	EB11162021	11/16/21 9:35	Water	05/15/22			Hg_245.1 Met_W_200.7 CAM17	
2111198-005B	EB11162021	11/16/21 9:35	Water	05/15/22			SVOCs_W_8270C Dioxin_8290_W	

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

Reset

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 211198

Company Name: Ninyo & Moore ☐ Env. ☐ Non Env.			Project #: 403668001 PO#: 403576025
Address: 2020 Challenger Drive, Suite 103			Project Name: Cole Aminstration Building
City: Alameda	State: California	Zip Code: 94501	Comments:
Telephone: (510) 343-3000	Cell: (510) 584-7217		SAMPLER: Jorge Contreras
REPORT TO: Nathan Diem	BILL TO:		EMAIL: ndiem@ninyoandmoore.com

TURNAROUND TIME: ☐ 2 - 8 Hours ☐ 2 Work Days ☐ 5 Work Days ☐ Noon - Nxt Day ☐ 3 Work Days ☐ 7 Work Days ☐ 1 Work Day ☐ 4 Work Days ☒ 10 Work Days

SAMPLE TYPE: ☐ Drinking Water ☐ Storm Water ☐ Air ☒ Waste Water ☐ Wipe ☐ Ground Water ☒ Other ☒ Soil ☐ Product / Bulk

REPORT FORMAT: ☐ Level II - Std. ☐ DoD/DoE Level III ☐ DoD/DoE Level III ☐ Excel - EDD ☐ EDF ☐ Client Specific EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Method 8260)	Title 22 Metals (EPA Method 6010B/7471A)	OCPs (EPA Method 8081A)	PCBs (EPA Method 8082A)	Dioxins/Furans (EPA Method 8290A)	SVOCs (EPA Method 8270)			REMARKS
-001	A	AOC5-S7-0.5	11/16/2021 0957	S	1	G			✓			✓	✓			
-002	A	AOC5-S7-2.0	11/16/2021 1000	S	1	G			✓			✓	✓			
-003	A	AOC5-S7-5.0	11/16/2021 1002	S	1	G			✓			✓	✓			
-004	A	AOC5-S7-5.0 DUP	11/16/2021 1004	S	1	G			✓			✓	✓			
-005	A+B	EB11162021	11/16/2021 0935	W	4	G			X			X	X			

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Jorge Contreras (ninyo and moore safe location)		11/16/2021	1254	Leslie Jung	Leslie Jung	11/16/21	1254
2		Leslie Jung	11/17/2021	10:38		Ben Kaharik	11-17-2021	10:35

Cooler Temperature 4 °C Samples Received on ice? Yes ☐ No ☐ Method of Shipment Fed Ex

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

QA-F-065, Rev 1.0, TLICD-959

Ben KAHARIK 11-17-2021 1:40 PM — L.D. Imbsat (11-17-21 1:40)

Page 1 of 1

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11/30/2021
Mr. Nathan Diem
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda CA 94501

Project Name: Cole Administration Building
Project #: 403668001
Workorder #: 2111530A

Dear Mr. Nathan Diem

The following report includes the data for the above referenced project for sample(s) received on 11/18/2021 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Monica Tran at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Monica Tran

Project Manager

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WORK ORDER #: 2111530A

Work Order Summary

CLIENT:	Mr. Nathan Diem Ninyo & Moore 2020 Challenger Drive Suite 103 Alameda, CA 94501	**BILL TO:**	Accounts Payable - Oakland Ninyo & Moore 2020 Challenger Drive Suite 103 Alameda, CA 94501
PHONE:	510-633-5640	**P.O. #**	
FAX:	(510) 633-5640	**PROJECT #**	403668001 Cole Administration Building
DATE RECEIVED:	11/18/2021	**CONTACT:**	Monica Tran
DATE COMPLETED:	11/30/2021		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SG4-5	TO-15	5.5 "Hg	9.9 psi
02A	SG4-10	TO-15	5.3 "Hg	9.6 psi
03A	SG1-5	TO-15	5.9 "Hg	9.9 psi
04A	SG1-5 DUP	TO-15	5.9 "Hg	9.7 psi
05A	SG2-10	TO-15	6.7 "Hg	9.8 psi
06A	SG3-5	TO-15	4.7 "Hg	9.9 psi
07A	SG-1-10	TO-15	3.5 "Hg	10 psi
08A	OA-1	TO-15	5.1 "Hg	1.9 psi
09A	Lab Blank	TO-15	NA	NA
09B	Lab Blank	TO-15	NA	NA
10A	CCV	TO-15	NA	NA
10B	CCV	TO-15	NA	NA
11A	LCS	TO-15	NA	NA
11AA	LCSD	TO-15	NA	NA
11B	LCS	TO-15	NA	NA
11BB	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 11/30/21

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
EPA Method TO-15
Ninyo & Moore
Workorder# 2111530A

Seven 1 Liter Summa Canister and one 6 Liter Summa Canister HL samples were received on November 18, 2021. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

The number of samples received did not match the information on the Chain of Custody (COC). Sample OA-1 was added to the analytical request.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SG4-5

Lab ID#: 2111530A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Propanol	4.1	7.1	10	18
Carbon Disulfide	4.1	6.0	13	18

Client Sample ID: SG4-10

Lab ID#: 2111530A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	1.0	2.1	3.5	7.4
Cyclohexane	1.0	4.8	3.4	16
2,2,4-Trimethylpentane	1.0	4.8	4.7	22
Toluene	1.0	2.1	3.8	7.8
m,p-Xylene	1.0	1.3	4.4	5.5

Client Sample ID: SG1-5

Lab ID#: 2111530A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	1.0	3.0	5.1	15

Client Sample ID: SG1-5 DUP

Lab ID#: 2111530A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Propanol	4.1	9.3	10	23
Carbon Disulfide	4.1	23	13	73
Chloroform	1.0	2.8	5.0	14

Client Sample ID: SG2-10

Lab ID#: 2111530A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	1.1	3.3	3.8	12

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SG2-10

Lab ID#: 2111530A-05A

Chloroform	1.1	3.8	5.2	19
Cyclohexane	1.1	4.2	3.7	14
2,2,4-Trimethylpentane	1.1	1.8	5.0	8.7

Client Sample ID: SG3-5

Lab ID#: 2111530A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Toluene	0.99	0.99	3.7	3.7

Client Sample ID: SG-1-10

Lab ID#: 2111530A-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	9.5	11	22	25
2-Propanol	3.8	5.1	9.3	12
Chloroform	0.95	1.4	4.6	6.9
Toluene	0.95	1.3	3.6	4.9

Client Sample ID: OA-1

Lab ID#: 2111530A-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	6.8	21	13	39
Acetone	6.8	59	16	140
2-Propanol	2.7	79	6.7	190
2-Butanone (Methyl Ethyl Ketone)	2.7	4.2	8.0	12
cis-1,2-Dichloroethene	0.68	2.7	2.7	11

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Client Sample ID: SG4-5

Lab ID#: 2111530A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112421**	**Date of Collection: 11/15/21 9:28:00 AM**	
Dil. Factor:	**2.05**	**Date of Analysis: 11/25/21 12:41 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.0	Not Detected	5.1	Not Detected
Freon 114	1.0	Not Detected	7.2	Not Detected
Chloromethane	10	Not Detected	21	Not Detected
Vinyl Chloride	1.0	Not Detected	2.6	Not Detected
1,3-Butadiene	1.0	Not Detected	2.3	Not Detected
Bromomethane	10	Not Detected	40	Not Detected
Chloroethane	4.1	Not Detected	11	Not Detected
Freon 11	1.0	Not Detected	5.8	Not Detected
Ethanol	10	Not Detected	19	Not Detected
Freon 113	1.0	Not Detected	7.8	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Acetone	10	Not Detected	24	Not Detected
2-Propanol	4.1	7.1	10	18
Carbon Disulfide	4.1	6.0	13	18
3-Chloropropene	4.1	Not Detected	13	Not Detected
Methylene Chloride	10	Not Detected	36	Not Detected
Methyl tert-butyl ether	4.1	Not Detected	15	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Hexane	1.0	Not Detected	3.6	Not Detected
1,1-Dichloroethane	1.0	Not Detected	4.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.1	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Tetrahydrofuran	1.0	Not Detected	3.0	Not Detected
Chloroform	1.0	Not Detected	5.0	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.6	Not Detected
Cyclohexane	1.0	Not Detected	3.5	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.4	Not Detected
2,2,4-Trimethylpentane	1.0	Not Detected	4.8	Not Detected
Benzene	1.0	Not Detected	3.3	Not Detected
1,2-Dichloroethane	1.0	Not Detected	4.1	Not Detected
Heptane	1.0	Not Detected	4.2	Not Detected
Trichloroethene	1.0	Not Detected	5.5	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.7	Not Detected
1,4-Dioxane	4.1	Not Detected	15	Not Detected
Bromodichloromethane	1.0	Not Detected	6.9	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.2	Not Detected
Toluene	1.0	Not Detected	3.9	Not Detected
trans-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.6	Not Detected
Tetrachloroethene	1.0	Not Detected	7.0	Not Detected
2-Hexanone	4.1	Not Detected	17	Not Detected

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Client Sample ID: SG4-5

Lab ID#: 2111530A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112421**	**Date of Collection:**	**11/15/21 9:28:00 AM**
Dil. Factor:	**2.05**	**Date of Analysis:**	**11/25/21 12:41 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.0	Not Detected	8.7	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.9	Not Detected
Chlorobenzene	1.0	Not Detected	4.7	Not Detected
Ethyl Benzene	1.0	Not Detected	4.4	Not Detected
m,p-Xylene	1.0	Not Detected	4.4	Not Detected
o-Xylene	1.0	Not Detected	4.4	Not Detected
Styrene	1.0	Not Detected	4.4	Not Detected
Bromoform	1.0	Not Detected	10	Not Detected
Cumene	1.0	Not Detected	5.0	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	7.0	Not Detected
Propylbenzene	1.0	Not Detected	5.0	Not Detected
4-Ethyltoluene	1.0	Not Detected	5.0	Not Detected
1,3,5-Trimethylbenzene	1.0	Not Detected	5.0	Not Detected
1,2,4-Trimethylbenzene	1.0	Not Detected	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.2	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.2	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.3	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.2	Not Detected
1,2,4-Trichlorobenzene	4.1	Not Detected	30	Not Detected
Hexachlorobutadiene	4.1	Not Detected	44	Not Detected
Naphthalene	2.0	Not Detected	11	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: SG4-10

Lab ID#: 2111530A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112422**	**Date of Collection:**	**11/15/21 10:28:00 A**
Dil. Factor:	**2.01**	**Date of Analysis:**	**11/25/21 01:10 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.0	Not Detected	5.0	Not Detected
Freon 114	1.0	Not Detected	7.0	Not Detected
Chloromethane	10	Not Detected	21	Not Detected
Vinyl Chloride	1.0	Not Detected	2.6	Not Detected
1,3-Butadiene	1.0	Not Detected	2.2	Not Detected
Bromomethane	10	Not Detected	39	Not Detected
Chloroethane	4.0	Not Detected	11	Not Detected
Freon 11	1.0	Not Detected	5.6	Not Detected
Ethanol	10	Not Detected	19	Not Detected
Freon 113	1.0	Not Detected	7.7	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Acetone	10	Not Detected	24	Not Detected
2-Propanol	4.0	Not Detected	9.9	Not Detected
Carbon Disulfide	4.0	Not Detected	12	Not Detected
3-Chloropropene	4.0	Not Detected	12	Not Detected
Methylene Chloride	10	Not Detected	35	Not Detected
Methyl tert-butyl ether	4.0	Not Detected	14	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Hexane	1.0	2.1	3.5	7.4
1,1-Dichloroethane	1.0	Not Detected	4.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.0	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Tetrahydrofuran	1.0	Not Detected	3.0	Not Detected
Chloroform	1.0	Not Detected	4.9	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.5	Not Detected
Cyclohexane	1.0	4.8	3.4	16
Carbon Tetrachloride	1.0	Not Detected	6.3	Not Detected
2,2,4-Trimethylpentane	1.0	4.8	4.7	22
Benzene	1.0	Not Detected	3.2	Not Detected
1,2-Dichloroethane	1.0	Not Detected	4.1	Not Detected
Heptane	1.0	Not Detected	4.1	Not Detected
Trichloroethene	1.0	Not Detected	5.4	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.6	Not Detected
1,4-Dioxane	4.0	Not Detected	14	Not Detected
Bromodichloromethane	1.0	Not Detected	6.7	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.1	Not Detected
Toluene	1.0	2.1	3.8	7.8
trans-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.5	Not Detected
Tetrachloroethene	1.0	Not Detected	6.8	Not Detected
2-Hexanone	4.0	Not Detected	16	Not Detected

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Client Sample ID: SG4-10

Lab ID#: 2111530A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112422**	**Date of Collection:**	**11/15/21 10:28:00 A**
Dil. Factor:	**2.01**	**Date of Analysis:**	**11/25/21 01:10 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.0	Not Detected	8.6	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.7	Not Detected
Chlorobenzene	1.0	Not Detected	4.6	Not Detected
Ethyl Benzene	1.0	Not Detected	4.4	Not Detected
m,p-Xylene	1.0	1.3	4.4	5.5
o-Xylene	1.0	Not Detected	4.4	Not Detected
Styrene	1.0	Not Detected	4.3	Not Detected
Bromoform	1.0	Not Detected	10	Not Detected
Cumene	1.0	Not Detected	4.9	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	6.9	Not Detected
Propylbenzene	1.0	Not Detected	4.9	Not Detected
4-Ethyltoluene	1.0	Not Detected	4.9	Not Detected
1,3,5-Trimethylbenzene	1.0	Not Detected	4.9	Not Detected
1,2,4-Trimethylbenzene	1.0	Not Detected	4.9	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.2	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.0	Not Detected
1,2,4-Trichlorobenzene	4.0	Not Detected	30	Not Detected
Hexachlorobutadiene	4.0	Not Detected	43	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: SG1-5

Lab ID#: 2111530A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112423**	**Date of Collection:**	**11/15/21 11:44:00 A**
Dil. Factor:	**2.08**	**Date of Analysis:**	**11/25/21 01:40 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.0	Not Detected	5.1	Not Detected
Freon 114	1.0	Not Detected	7.3	Not Detected
Chloromethane	10	Not Detected	21	Not Detected
Vinyl Chloride	1.0	Not Detected	2.6	Not Detected
1,3-Butadiene	1.0	Not Detected	2.3	Not Detected
Bromomethane	10	Not Detected	40	Not Detected
Chloroethane	4.2	Not Detected	11	Not Detected
Freon 11	1.0	Not Detected	5.8	Not Detected
Ethanol	10	Not Detected	20	Not Detected
Freon 113	1.0	Not Detected	8.0	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Acetone	10	Not Detected	25	Not Detected
2-Propanol	4.2	Not Detected	10	Not Detected
Carbon Disulfide	4.2	Not Detected	13	Not Detected
3-Chloropropene	4.2	Not Detected	13	Not Detected
Methylene Chloride	10	Not Detected	36	Not Detected
Methyl tert-butyl ether	4.2	Not Detected	15	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Hexane	1.0	Not Detected	3.7	Not Detected
1,1-Dichloroethane	1.0	Not Detected	4.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.2	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Tetrahydrofuran	1.0	Not Detected	3.1	Not Detected
Chloroform	1.0	3.0	5.1	15
1,1,1-Trichloroethane	1.0	Not Detected	5.7	Not Detected
Cyclohexane	1.0	Not Detected	3.6	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.5	Not Detected
2,2,4-Trimethylpentane	1.0	Not Detected	4.8	Not Detected
Benzene	1.0	Not Detected	3.3	Not Detected
1,2-Dichloroethane	1.0	Not Detected	4.2	Not Detected
Heptane	1.0	Not Detected	4.3	Not Detected
Trichloroethene	1.0	Not Detected	5.6	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.8	Not Detected
1,4-Dioxane	4.2	Not Detected	15	Not Detected
Bromodichloromethane	1.0	Not Detected	7.0	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.7	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.3	Not Detected
Toluene	1.0	Not Detected	3.9	Not Detected
trans-1,3-Dichloropropene	1.0	Not Detected	4.7	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.7	Not Detected
Tetrachloroethene	1.0	Not Detected	7.0	Not Detected
2-Hexanone	4.2	Not Detected	17	Not Detected

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Client Sample ID: SG1-5

Lab ID#: 2111530A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112423**	**Date of Collection: 11/15/21 11:44:00 A**	
Dil. Factor:	**2.08**	**Date of Analysis: 11/25/21 01:40 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.0	Not Detected	8.8	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	8.0	Not Detected
Chlorobenzene	1.0	Not Detected	4.8	Not Detected
Ethyl Benzene	1.0	Not Detected	4.5	Not Detected
m,p-Xylene	1.0	Not Detected	4.5	Not Detected
o-Xylene	1.0	Not Detected	4.5	Not Detected
Styrene	1.0	Not Detected	4.4	Not Detected
Bromoform	1.0	Not Detected	11	Not Detected
Cumene	1.0	Not Detected	5.1	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	7.1	Not Detected
Propylbenzene	1.0	Not Detected	5.1	Not Detected
4-Ethyltoluene	1.0	Not Detected	5.1	Not Detected
1,3,5-Trimethylbenzene	1.0	Not Detected	5.1	Not Detected
1,2,4-Trimethylbenzene	1.0	Not Detected	5.1	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.2	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.2	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.4	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.2	Not Detected
1,2,4-Trichlorobenzene	4.2	Not Detected	31	Not Detected
Hexachlorobutadiene	4.2	Not Detected	44	Not Detected
Naphthalene	2.1	Not Detected	11	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: SG1-5 DUP

Lab ID#: 2111530A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112708**	**Date of Collection:**	**11/15/21 11:55:00 A**
Dil. Factor:	**2.07**	**Date of Analysis:**	**11/27/21 02:47 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.0	Not Detected	5.1	Not Detected
Freon 114	1.0	Not Detected	7.2	Not Detected
Chloromethane	10	Not Detected	21	Not Detected
Vinyl Chloride	1.0	Not Detected	2.6	Not Detected
1,3-Butadiene	1.0	Not Detected	2.3	Not Detected
Bromomethane	10	Not Detected	40	Not Detected
Chloroethane	4.1	Not Detected	11	Not Detected
Freon 11	1.0	Not Detected	5.8	Not Detected
Ethanol	10	Not Detected	20	Not Detected
Freon 113	1.0	Not Detected	7.9	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Acetone	10	Not Detected	24	Not Detected
2-Propanol	4.1	9.3	10	23
Carbon Disulfide	4.1	23	13	73
3-Chloropropene	4.1	Not Detected	13	Not Detected
Methylene Chloride	10	Not Detected	36	Not Detected
Methyl tert-butyl ether	4.1	Not Detected	15	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Hexane	1.0	Not Detected	3.6	Not Detected
1,1-Dichloroethane	1.0	Not Detected	4.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.1	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Tetrahydrofuran	1.0	Not Detected	3.0	Not Detected
Chloroform	1.0	2.8	5.0	14
1,1,1-Trichloroethane	1.0	Not Detected	5.6	Not Detected
Cyclohexane	1.0	Not Detected	3.6	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.5	Not Detected
2,2,4-Trimethylpentane	1.0	Not Detected	4.8	Not Detected
Benzene	1.0	Not Detected	3.3	Not Detected
1,2-Dichloroethane	1.0	Not Detected	4.2	Not Detected
Heptane	1.0	Not Detected	4.2	Not Detected
Trichloroethene	1.0	Not Detected	5.6	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.8	Not Detected
1,4-Dioxane	4.1	Not Detected	15	Not Detected
Bromodichloromethane	1.0	Not Detected	6.9	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.7	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.2	Not Detected
Toluene	1.0	Not Detected	3.9	Not Detected
trans-1,3-Dichloropropene	1.0	Not Detected	4.7	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.6	Not Detected
Tetrachloroethene	1.0	Not Detected	7.0	Not Detected
2-Hexanone	4.1	Not Detected	17	Not Detected

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Client Sample ID: SG1-5 DUP

Lab ID#: 2111530A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112708**	**Date of Collection: 11/15/21 11:55:00 A**	
Dil. Factor:	**2.07**	**Date of Analysis: 11/27/21 02:47 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.0	Not Detected	8.8	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	8.0	Not Detected
Chlorobenzene	1.0	Not Detected	4.8	Not Detected
Ethyl Benzene	1.0	Not Detected	4.5	Not Detected
m,p-Xylene	1.0	Not Detected	4.5	Not Detected
o-Xylene	1.0	Not Detected	4.5	Not Detected
Styrene	1.0	Not Detected	4.4	Not Detected
Bromoform	1.0	Not Detected	11	Not Detected
Cumene	1.0	Not Detected	5.1	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	7.1	Not Detected
Propylbenzene	1.0	Not Detected	5.1	Not Detected
4-Ethyltoluene	1.0	Not Detected	5.1	Not Detected
1,3,5-Trimethylbenzene	1.0	Not Detected	5.1	Not Detected
1,2,4-Trimethylbenzene	1.0	Not Detected	5.1	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.2	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.2	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.4	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.2	Not Detected
1,2,4-Trichlorobenzene	4.1	Not Detected	31	Not Detected
Hexachlorobutadiene	4.1	Not Detected	44	Not Detected
Naphthalene	2.1	Not Detected	11	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: SG2-10

Lab ID#: 2111530A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112709**	**Date of Collection:**	**11/16/21 3:00:00 PM**
Dil. Factor:	**2.14**	**Date of Analysis:**	**11/27/21 03:16 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.1	Not Detected	5.3	Not Detected
Freon 114	1.1	Not Detected	7.5	Not Detected
Chloromethane	11	Not Detected	22	Not Detected
Vinyl Chloride	1.1	Not Detected	2.7	Not Detected
1,3-Butadiene	1.1	Not Detected	2.4	Not Detected
Bromomethane	11	Not Detected	42	Not Detected
Chloroethane	4.3	Not Detected	11	Not Detected
Freon 11	1.1	Not Detected	6.0	Not Detected
Ethanol	11	Not Detected	20	Not Detected
Freon 113	1.1	Not Detected	8.2	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Acetone	11	Not Detected	25	Not Detected
2-Propanol	4.3	Not Detected	10	Not Detected
Carbon Disulfide	4.3	Not Detected	13	Not Detected
3-Chloropropene	4.3	Not Detected	13	Not Detected
Methylene Chloride	11	Not Detected	37	Not Detected
Methyl tert-butyl ether	4.3	Not Detected	15	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Hexane	1.1	3.3	3.8	12
1,1-Dichloroethane	1.1	Not Detected	4.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.3	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.2	Not Detected
Chloroform	1.1	3.8	5.2	19
1,1,1-Trichloroethane	1.1	Not Detected	5.8	Not Detected
Cyclohexane	1.1	4.2	3.7	14
Carbon Tetrachloride	1.1	Not Detected	6.7	Not Detected
2,2,4-Trimethylpentane	1.1	1.8	5.0	8.7
Benzene	1.1	Not Detected	3.4	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.3	Not Detected
Heptane	1.1	Not Detected	4.4	Not Detected
Trichloroethene	1.1	Not Detected	5.8	Not Detected
1,2-Dichloropropane	1.1	Not Detected	4.9	Not Detected
1,4-Dioxane	4.3	Not Detected	15	Not Detected
Bromodichloromethane	1.1	Not Detected	7.2	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.4	Not Detected
Toluene	1.1	Not Detected	4.0	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	5.8	Not Detected
Tetrachloroethene	1.1	Not Detected	7.2	Not Detected
2-Hexanone	4.3	Not Detected	18	Not Detected

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Client Sample ID: SG2-10

Lab ID#: 2111530A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112709**	**Date of Collection: 11/16/21 3:00:00 PM**	
Dil. Factor:	**2.14**	**Date of Analysis: 11/27/21 03:16 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.1	Not Detected	9.1	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.2	Not Detected
Chlorobenzene	1.1	Not Detected	4.9	Not Detected
Ethyl Benzene	1.1	Not Detected	4.6	Not Detected
m,p-Xylene	1.1	Not Detected	4.6	Not Detected
o-Xylene	1.1	Not Detected	4.6	Not Detected
Styrene	1.1	Not Detected	4.6	Not Detected
Bromoform	1.1	Not Detected	11	Not Detected
Cumene	1.1	Not Detected	5.2	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.3	Not Detected
Propylbenzene	1.1	Not Detected	5.3	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.3	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.3	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.2	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.5	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,2,4-Trichlorobenzene	4.3	Not Detected	32	Not Detected
Hexachlorobutadiene	4.3	Not Detected	46	Not Detected
Naphthalene	2.1	Not Detected	11	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: SG3-5

Lab ID#: 2111530A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112710**	**Date of Collection:**	**11/16/21 4:02:00 PM**
Dil. Factor:	**1.98**	**Date of Analysis:**	**11/27/21 03:45 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.99	Not Detected	4.9	Not Detected
Freon 114	0.99	Not Detected	6.9	Not Detected
Chloromethane	9.9	Not Detected	20	Not Detected
Vinyl Chloride	0.99	Not Detected	2.5	Not Detected
1,3-Butadiene	0.99	Not Detected	2.2	Not Detected
Bromomethane	9.9	Not Detected	38	Not Detected
Chloroethane	4.0	Not Detected	10	Not Detected
Freon 11	0.99	Not Detected	5.6	Not Detected
Ethanol	9.9	Not Detected	19	Not Detected
Freon 113	0.99	Not Detected	7.6	Not Detected
1,1-Dichloroethene	0.99	Not Detected	3.9	Not Detected
Acetone	9.9	Not Detected	24	Not Detected
2-Propanol	4.0	Not Detected	9.7	Not Detected
Carbon Disulfide	4.0	Not Detected	12	Not Detected
3-Chloropropene	4.0	Not Detected	12	Not Detected
Methylene Chloride	9.9	Not Detected	34	Not Detected
Methyl tert-butyl ether	4.0	Not Detected	14	Not Detected
trans-1,2-Dichloroethene	0.99	Not Detected	3.9	Not Detected
Hexane	0.99	Not Detected	3.5	Not Detected
1,1-Dichloroethane	0.99	Not Detected	4.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.0	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	0.99	Not Detected	3.9	Not Detected
Tetrahydrofuran	0.99	Not Detected	2.9	Not Detected
Chloroform	0.99	Not Detected	4.8	Not Detected
1,1,1-Trichloroethane	0.99	Not Detected	5.4	Not Detected
Cyclohexane	0.99	Not Detected	3.4	Not Detected
Carbon Tetrachloride	0.99	Not Detected	6.2	Not Detected
2,2,4-Trimethylpentane	0.99	Not Detected	4.6	Not Detected
Benzene	0.99	Not Detected	3.2	Not Detected
1,2-Dichloroethane	0.99	Not Detected	4.0	Not Detected
Heptane	0.99	Not Detected	4.0	Not Detected
Trichloroethene	0.99	Not Detected	5.3	Not Detected
1,2-Dichloropropane	0.99	Not Detected	4.6	Not Detected
1,4-Dioxane	4.0	Not Detected	14	Not Detected
Bromodichloromethane	0.99	Not Detected	6.6	Not Detected
cis-1,3-Dichloropropene	0.99	Not Detected	4.5	Not Detected
4-Methyl-2-pentanone	0.99	Not Detected	4.0	Not Detected
Toluene	0.99	0.99	3.7	3.7
trans-1,3-Dichloropropene	0.99	Not Detected	4.5	Not Detected
1,1,2-Trichloroethane	0.99	Not Detected	5.4	Not Detected
Tetrachloroethene	0.99	Not Detected	6.7	Not Detected
2-Hexanone	4.0	Not Detected	16	Not Detected

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Client Sample ID: SG3-5

Lab ID#: 2111530A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112710**	**Date of Collection: 11/16/21 4:02:00 PM**	
Dil. Factor:	**1.98**	**Date of Analysis: 11/27/21 03:45 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.99	Not Detected	8.4	Not Detected
1,2-Dibromoethane (EDB)	0.99	Not Detected	7.6	Not Detected
Chlorobenzene	0.99	Not Detected	4.6	Not Detected
Ethyl Benzene	0.99	Not Detected	4.3	Not Detected
m,p-Xylene	0.99	Not Detected	4.3	Not Detected
o-Xylene	0.99	Not Detected	4.3	Not Detected
Styrene	0.99	Not Detected	4.2	Not Detected
Bromoform	0.99	Not Detected	10	Not Detected
Cumene	0.99	Not Detected	4.9	Not Detected
1,1,2,2-Tetrachloroethane	0.99	Not Detected	6.8	Not Detected
Propylbenzene	0.99	Not Detected	4.9	Not Detected
4-Ethyltoluene	0.99	Not Detected	4.9	Not Detected
1,3,5-Trimethylbenzene	0.99	Not Detected	4.9	Not Detected
1,2,4-Trimethylbenzene	0.99	Not Detected	4.9	Not Detected
1,3-Dichlorobenzene	0.99	Not Detected	6.0	Not Detected
1,4-Dichlorobenzene	0.99	Not Detected	6.0	Not Detected
alpha-Chlorotoluene	0.99	Not Detected	5.1	Not Detected
1,2-Dichlorobenzene	0.99	Not Detected	6.0	Not Detected
1,2,4-Trichlorobenzene	4.0	Not Detected	29	Not Detected
Hexachlorobutadiene	4.0	Not Detected	42	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: SG-1-10

Lab ID#: 2111530A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112711**	**Date of Collection: 11/16/21 4:49:00 PM**	
Dil. Factor:	**1.90**	**Date of Analysis: 11/27/21 04:15 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.95	Not Detected	4.7	Not Detected
Freon 114	0.95	Not Detected	6.6	Not Detected
Chloromethane	9.5	Not Detected	20	Not Detected
Vinyl Chloride	0.95	Not Detected	2.4	Not Detected
1,3-Butadiene	0.95	Not Detected	2.1	Not Detected
Bromomethane	9.5	Not Detected	37	Not Detected
Chloroethane	3.8	Not Detected	10	Not Detected
Freon 11	0.95	Not Detected	5.3	Not Detected
Ethanol	9.5	Not Detected	18	Not Detected
Freon 113	0.95	Not Detected	7.3	Not Detected
1,1-Dichloroethene	0.95	Not Detected	3.8	Not Detected
Acetone	9.5	11	22	25
2-Propanol	3.8	5.1	9.3	12
Carbon Disulfide	3.8	Not Detected	12	Not Detected
3-Chloropropene	3.8	Not Detected	12	Not Detected
Methylene Chloride	9.5	Not Detected	33	Not Detected
Methyl tert-butyl ether	3.8	Not Detected	14	Not Detected
trans-1,2-Dichloroethene	0.95	Not Detected	3.8	Not Detected
Hexane	0.95	Not Detected	3.3	Not Detected
1,1-Dichloroethane	0.95	Not Detected	3.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.8	Not Detected	11	Not Detected
cis-1,2-Dichloroethene	0.95	Not Detected	3.8	Not Detected
Tetrahydrofuran	0.95	Not Detected	2.8	Not Detected
Chloroform	0.95	1.4	4.6	6.9
1,1,1-Trichloroethane	0.95	Not Detected	5.2	Not Detected
Cyclohexane	0.95	Not Detected	3.3	Not Detected
Carbon Tetrachloride	0.95	Not Detected	6.0	Not Detected
2,2,4-Trimethylpentane	0.95	Not Detected	4.4	Not Detected
Benzene	0.95	Not Detected	3.0	Not Detected
1,2-Dichloroethane	0.95	Not Detected	3.8	Not Detected
Heptane	0.95	Not Detected	3.9	Not Detected
Trichloroethene	0.95	Not Detected	5.1	Not Detected
1,2-Dichloropropane	0.95	Not Detected	4.4	Not Detected
1,4-Dioxane	3.8	Not Detected	14	Not Detected
Bromodichloromethane	0.95	Not Detected	6.4	Not Detected
cis-1,3-Dichloropropene	0.95	Not Detected	4.3	Not Detected
4-Methyl-2-pentanone	0.95	Not Detected	3.9	Not Detected
Toluene	0.95	1.3	3.6	4.9
trans-1,3-Dichloropropene	0.95	Not Detected	4.3	Not Detected
1,1,2-Trichloroethane	0.95	Not Detected	5.2	Not Detected
Tetrachloroethene	0.95	Not Detected	6.4	Not Detected
2-Hexanone	3.8	Not Detected	16	Not Detected

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Client Sample ID: SG-1-10

Lab ID#: 2111530A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112711**	**Date of Collection: 11/16/21 4:49:00 PM**	
Dil. Factor:	**1.90**	**Date of Analysis: 11/27/21 04:15 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.95	Not Detected	8.1	Not Detected
1,2-Dibromoethane (EDB)	0.95	Not Detected	7.3	Not Detected
Chlorobenzene	0.95	Not Detected	4.4	Not Detected
Ethyl Benzene	0.95	Not Detected	4.1	Not Detected
m,p-Xylene	0.95	Not Detected	4.1	Not Detected
o-Xylene	0.95	Not Detected	4.1	Not Detected
Styrene	0.95	Not Detected	4.0	Not Detected
Bromoform	0.95	Not Detected	9.8	Not Detected
Cumene	0.95	Not Detected	4.7	Not Detected
1,1,2,2-Tetrachloroethane	0.95	Not Detected	6.5	Not Detected
Propylbenzene	0.95	Not Detected	4.7	Not Detected
4-Ethyltoluene	0.95	Not Detected	4.7	Not Detected
1,3,5-Trimethylbenzene	0.95	Not Detected	4.7	Not Detected
1,2,4-Trimethylbenzene	0.95	Not Detected	4.7	Not Detected
1,3-Dichlorobenzene	0.95	Not Detected	5.7	Not Detected
1,4-Dichlorobenzene	0.95	Not Detected	5.7	Not Detected
alpha-Chlorotoluene	0.95	Not Detected	4.9	Not Detected
1,2-Dichlorobenzene	0.95	Not Detected	5.7	Not Detected
1,2,4-Trichlorobenzene	3.8	Not Detected	28	Not Detected
Hexachlorobutadiene	3.8	Not Detected	40	Not Detected
Naphthalene	1.9	Not Detected	10	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: OA-1

Lab ID#: 2111530A-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112712**	**Date of Collection:**	**11/15/21 4:15:00 PM**
Dil. Factor:	**1.36**	**Date of Analysis:**	**11/27/21 04:44 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.68	Not Detected	3.4	Not Detected
Freon 114	0.68	Not Detected	4.8	Not Detected
Chloromethane	6.8	Not Detected	14	Not Detected
Vinyl Chloride	0.68	Not Detected	1.7	Not Detected
1,3-Butadiene	0.68	Not Detected	1.5	Not Detected
Bromomethane	6.8	Not Detected	26	Not Detected
Chloroethane	2.7	Not Detected	7.2	Not Detected
Freon 11	0.68	Not Detected	3.8	Not Detected
Ethanol	6.8	21	13	39
Freon 113	0.68	Not Detected	5.2	Not Detected
1,1-Dichloroethene	0.68	Not Detected	2.7	Not Detected
Acetone	6.8	59	16	140
2-Propanol	2.7	79	6.7	190
Carbon Disulfide	2.7	Not Detected	8.5	Not Detected
3-Chloropropene	2.7	Not Detected	8.5	Not Detected
Methylene Chloride	6.8	Not Detected	24	Not Detected
Methyl tert-butyl ether	2.7	Not Detected	9.8	Not Detected
trans-1,2-Dichloroethene	0.68	Not Detected	2.7	Not Detected
Hexane	0.68	Not Detected	2.4	Not Detected
1,1-Dichloroethane	0.68	Not Detected	2.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.7	4.2	8.0	12
cis-1,2-Dichloroethene	0.68	2.7	2.7	11
Tetrahydrofuran	0.68	Not Detected	2.0	Not Detected
Chloroform	0.68	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.68	Not Detected	3.7	Not Detected
Cyclohexane	0.68	Not Detected	2.3	Not Detected
Carbon Tetrachloride	0.68	Not Detected	4.3	Not Detected
2,2,4-Trimethylpentane	0.68	Not Detected	3.2	Not Detected
Benzene	0.68	Not Detected	2.2	Not Detected
1,2-Dichloroethane	0.68	Not Detected	2.8	Not Detected
Heptane	0.68	Not Detected	2.8	Not Detected
Trichloroethene	0.68	Not Detected	3.6	Not Detected
1,2-Dichloropropane	0.68	Not Detected	3.1	Not Detected
1,4-Dioxane	2.7	Not Detected	9.8	Not Detected
Bromodichloromethane	0.68	Not Detected	4.6	Not Detected
cis-1,3-Dichloropropene	0.68	Not Detected	3.1	Not Detected
4-Methyl-2-pentanone	0.68	Not Detected	2.8	Not Detected
Toluene	0.68	Not Detected	2.6	Not Detected
trans-1,3-Dichloropropene	0.68	Not Detected	3.1	Not Detected
1,1,2-Trichloroethane	0.68	Not Detected	3.7	Not Detected
Tetrachloroethene	0.68	Not Detected	4.6	Not Detected
2-Hexanone	2.7	Not Detected	11	Not Detected

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Client Sample ID: OA-1

Lab ID#: 2111530A-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112712**	**Date of Collection: 11/15/21 4:15:00 PM**	
Dil. Factor:	**1.36**	**Date of Analysis: 11/27/21 04:44 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.68	Not Detected	5.8	Not Detected
1,2-Dibromoethane (EDB)	0.68	Not Detected	5.2	Not Detected
Chlorobenzene	0.68	Not Detected	3.1	Not Detected
Ethyl Benzene	0.68	Not Detected	3.0	Not Detected
m,p-Xylene	0.68	Not Detected	3.0	Not Detected
o-Xylene	0.68	Not Detected	3.0	Not Detected
Styrene	0.68	Not Detected	2.9	Not Detected
Bromoform	0.68	Not Detected	7.0	Not Detected
Cumene	0.68	Not Detected	3.3	Not Detected
1,1,2,2-Tetrachloroethane	0.68	Not Detected	4.7	Not Detected
Propylbenzene	0.68	Not Detected	3.3	Not Detected
4-Ethyltoluene	0.68	Not Detected	3.3	Not Detected
1,3,5-Trimethylbenzene	0.68	Not Detected	3.3	Not Detected
1,2,4-Trimethylbenzene	0.68	Not Detected	3.3	Not Detected
1,3-Dichlorobenzene	0.68	Not Detected	4.1	Not Detected
1,4-Dichlorobenzene	0.68	Not Detected	4.1	Not Detected
alpha-Chlorotoluene	0.68	Not Detected	3.5	Not Detected
1,2-Dichlorobenzene	0.68	Not Detected	4.1	Not Detected
1,2,4-Trichlorobenzene	2.7	Not Detected	20	Not Detected
Hexachlorobutadiene	2.7	Not Detected	29	Not Detected
Naphthalene	1.4	Not Detected	7.1	Not Detected

Container Type: 6 Liter Summa Canister HL

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2111530A-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112406**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/24/21 02:22 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	5.0	Not Detected	9.4	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 2111530A-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112406**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/24/21 02:22 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Naphthalene	1.0	Not Detected	5.2	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2111530A-09B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112705**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/27/21 11:52 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	5.0	Not Detected	9.4	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 2111530A-09B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112705**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/27/21 11:52 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Naphthalene	1.0	Not Detected	5.2	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: CCV

Lab ID#: 2111530A-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112402**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 11/24/21 12:08 PM**

Compound	%Recovery
Freon 12	99
Freon 114	95
Chloromethane	115
Vinyl Chloride	103
1,3-Butadiene	113
Bromomethane	91
Chloroethane	97
Freon 11	97
Ethanol	101
Freon 113	96
1,1-Dichloroethene	94
Acetone	96
2-Propanol	99
Carbon Disulfide	98
3-Chloropropene	102
Methylene Chloride	101
Methyl tert-butyl ether	94
trans-1,2-Dichloroethene	96
Hexane	99
1,1-Dichloroethane	102
2-Butanone (Methyl Ethyl Ketone)	95
cis-1,2-Dichloroethene	91
Tetrahydrofuran	94
Chloroform	102
1,1,1-Trichloroethane	98
Cyclohexane	90
Carbon Tetrachloride	98
2,2,4-Trimethylpentane	97
Benzene	98
1,2-Dichloroethane	104
Heptane	97
Trichloroethene	97
1,2-Dichloropropane	95
1,4-Dioxane	92
Bromodichloromethane	103
cis-1,3-Dichloropropene	97
4-Methyl-2-pentanone	86
Toluene	97
trans-1,3-Dichloropropene	103
1,1,2-Trichloroethane	101
Tetrachloroethene	103
2-Hexanone	93

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Client Sample ID: CCV

Lab ID#: 2111530A-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112402**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/24/21 12:08 PM**	

Compound	%Recovery
Dibromochloromethane	107
1,2-Dibromoethane (EDB)	104
Chlorobenzene	101
Ethyl Benzene	98
m,p-Xylene	97
o-Xylene	98
Styrene	98
Bromoform	106
Cumene	99
1,1,2,2-Tetrachloroethane	94
Propylbenzene	100
4-Ethyltoluene	100
1,3,5-Trimethylbenzene	99
1,2,4-Trimethylbenzene	98
1,3-Dichlorobenzene	99
1,4-Dichlorobenzene	98
alpha-Chlorotoluene	98
1,2-Dichlorobenzene	98
1,2,4-Trichlorobenzene	86
Hexachlorobutadiene	90
Naphthalene	79

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: CCV

Lab ID#: 2111530A-10B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112702**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 11/27/21 09:41 AM**

Compound	%Recovery
Freon 12	95
Freon 114	94
Chloromethane	112
Vinyl Chloride	98
1,3-Butadiene	110
Bromomethane	92
Chloroethane	100
Freon 11	95
Ethanol	104
Freon 113	94
1,1-Dichloroethene	92
Acetone	94
2-Propanol	97
Carbon Disulfide	97
3-Chloropropene	100
Methylene Chloride	100
Methyl tert-butyl ether	93
trans-1,2-Dichloroethene	96
Hexane	99
1,1-Dichloroethane	101
2-Butanone (Methyl Ethyl Ketone)	96
cis-1,2-Dichloroethene	92
Tetrahydrofuran	96
Chloroform	101
1,1,1-Trichloroethane	98
Cyclohexane	89
Carbon Tetrachloride	100
2,2,4-Trimethylpentane	98
Benzene	99
1,2-Dichloroethane	104
Heptane	97
Trichloroethene	100
1,2-Dichloropropane	96
1,4-Dioxane	92
Bromodichloromethane	104
cis-1,3-Dichloropropene	99
4-Methyl-2-pentanone	87
Toluene	98
trans-1,3-Dichloropropene	104
1,1,2-Trichloroethane	100
Tetrachloroethene	104
2-Hexanone	93

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Client Sample ID: CCV

Lab ID#: 2111530A-10B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/27/21 09:41 AM**	

Compound	%Recovery
Dibromochloromethane	107
1,2-Dibromoethane (EDB)	104
Chlorobenzene	101
Ethyl Benzene	97
m,p-Xylene	98
o-Xylene	98
Styrene	98
Bromoform	107
Cumene	98
1,1,2,2-Tetrachloroethane	93
Propylbenzene	99
4-Ethyltoluene	99
1,3,5-Trimethylbenzene	100
1,2,4-Trimethylbenzene	98
1,3-Dichlorobenzene	98
1,4-Dichlorobenzene	99
alpha-Chlorotoluene	98
1,2-Dichlorobenzene	97
1,2,4-Trichlorobenzene	84
Hexachlorobutadiene	90
Naphthalene	77

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: LCS

Lab ID#: 2111530A-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112403**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/24/21 12:36 PM**	

Compound	%Recovery	Method Limits
Freon 12	97	70-130
Freon 114	96	70-130
Chloromethane	114	70-130
Vinyl Chloride	100	70-130
1,3-Butadiene	110	70-130
Bromomethane	90	70-130
Chloroethane	98	70-130
Freon 11	97	70-130
Ethanol	110	70-130
Freon 113	98	70-130
1,1-Dichloroethene	93	70-130
Acetone	94	70-130
2-Propanol	107	70-130
Carbon Disulfide	98	70-130
3-Chloropropene	99	70-130
Methylene Chloride	98	70-130
Methyl tert-butyl ether	96	70-130
trans-1,2-Dichloroethene	97	70-130
Hexane	100	70-130
1,1-Dichloroethane	102	70-130
2-Butanone (Methyl Ethyl Ketone)	95	70-130
cis-1,2-Dichloroethene	90	70-130
Tetrahydrofuran	96	70-130
Chloroform	99	70-130
1,1,1-Trichloroethane	102	70-130
Cyclohexane	93	70-130
Carbon Tetrachloride	102	70-130
2,2,4-Trimethylpentane	99	70-130
Benzene	99	70-130
1,2-Dichloroethane	106	70-130
Heptane	99	70-130
Trichloroethene	100	70-130
1,2-Dichloropropane	96	70-130
1,4-Dioxane	95	70-130
Bromodichloromethane	103	70-130
cis-1,3-Dichloropropene	100	70-130
4-Methyl-2-pentanone	90	70-130
Toluene	98	70-130
trans-1,3-Dichloropropene	107	70-130
1,1,2-Trichloroethane	107	70-130
Tetrachloroethene	107	70-130
2-Hexanone	98	70-130

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Client Sample ID: LCS

Lab ID#: 2111530A-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112403**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/24/21 12:36 PM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	110	70-130
1,2-Dibromoethane (EDB)	107	70-130
Chlorobenzene	104	70-130
Ethyl Benzene	100	70-130
m,p-Xylene	100	70-130
o-Xylene	101	70-130
Styrene	102	70-130
Bromoform	109	70-130
Cumene	100	70-130
1,1,2,2-Tetrachloroethane	99	70-130
Propylbenzene	103	70-130
4-Ethyltoluene	102	70-130
1,3,5-Trimethylbenzene	103	70-130
1,2,4-Trimethylbenzene	101	70-130
1,3-Dichlorobenzene	102	70-130
1,4-Dichlorobenzene	100	70-130
alpha-Chlorotoluene	100	70-130
1,2-Dichlorobenzene	101	70-130
1,2,4-Trichlorobenzene	79	70-130
Hexachlorobutadiene	83	70-130
Naphthalene	73	60-140

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: LCSD

Lab ID#: 2111530A-11AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112404**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/24/21 01:04 PM**	

Compound	%Recovery	Method Limits
Freon 12	97	70-130
Freon 114	94	70-130
Chloromethane	116	70-130
Vinyl Chloride	97	70-130
1,3-Butadiene	114	70-130
Bromomethane	90	70-130
Chloroethane	97	70-130
Freon 11	96	70-130
Ethanol	106	70-130
Freon 113	97	70-130
1,1-Dichloroethene	91	70-130
Acetone	93	70-130
2-Propanol	108	70-130
Carbon Disulfide	98	70-130
3-Chloropropene	102	70-130
Methylene Chloride	98	70-130
Methyl tert-butyl ether	96	70-130
trans-1,2-Dichloroethene	96	70-130
Hexane	99	70-130
1,1-Dichloroethane	102	70-130
2-Butanone (Methyl Ethyl Ketone)	95	70-130
cis-1,2-Dichloroethene	92	70-130
Tetrahydrofuran	94	70-130
Chloroform	100	70-130
1,1,1-Trichloroethane	101	70-130
Cyclohexane	93	70-130
Carbon Tetrachloride	102	70-130
2,2,4-Trimethylpentane	100	70-130
Benzene	101	70-130
1,2-Dichloroethane	106	70-130
Heptane	99	70-130
Trichloroethene	101	70-130
1,2-Dichloropropane	98	70-130
1,4-Dioxane	94	70-130
Bromodichloromethane	104	70-130
cis-1,3-Dichloropropene	101	70-130
4-Methyl-2-pentanone	89	70-130
Toluene	98	70-130
trans-1,3-Dichloropropene	106	70-130
1,1,2-Trichloroethane	107	70-130
Tetrachloroethene	107	70-130
2-Hexanone	97	70-130

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Client Sample ID: LCSD

Lab ID#: 2111530A-11AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112404**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/24/21 01:04 PM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	110	70-130
1,2-Dibromoethane (EDB)	106	70-130
Chlorobenzene	104	70-130
Ethyl Benzene	102	70-130
m,p-Xylene	100	70-130
o-Xylene	100	70-130
Styrene	101	70-130
Bromoform	108	70-130
Cumene	102	70-130
1,1,2,2-Tetrachloroethane	100	70-130
Propylbenzene	104	70-130
4-Ethyltoluene	104	70-130
1,3,5-Trimethylbenzene	103	70-130
1,2,4-Trimethylbenzene	102	70-130
1,3-Dichlorobenzene	103	70-130
1,4-Dichlorobenzene	101	70-130
alpha-Chlorotoluene	102	70-130
1,2-Dichlorobenzene	102	70-130
1,2,4-Trichlorobenzene	89	70-130
Hexachlorobutadiene	93	70-130
Naphthalene	85	60-140

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: LCS

Lab ID#: 2111530A-11B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/27/21 10:08 AM**	

Compound	%Recovery	Method Limits
Freon 12	95	70-130
Freon 114	94	70-130
Chloromethane	116	70-130
Vinyl Chloride	97	70-130
1,3-Butadiene	111	70-130
Bromomethane	92	70-130
Chloroethane	98	70-130
Freon 11	96	70-130
Ethanol	107	70-130
Freon 113	96	70-130
1,1-Dichloroethene	94	70-130
Acetone	92	70-130
2-Propanol	107	70-130
Carbon Disulfide	98	70-130
3-Chloropropene	102	70-130
Methylene Chloride	98	70-130
Methyl tert-butyl ether	95	70-130
trans-1,2-Dichloroethene	97	70-130
Hexane	100	70-130
1,1-Dichloroethane	102	70-130
2-Butanone (Methyl Ethyl Ketone)	94	70-130
cis-1,2-Dichloroethene	91	70-130
Tetrahydrofuran	94	70-130
Chloroform	99	70-130
1,1,1-Trichloroethane	101	70-130
Cyclohexane	92	70-130
Carbon Tetrachloride	100	70-130
2,2,4-Trimethylpentane	101	70-130
Benzene	100	70-130
1,2-Dichloroethane	105	70-130
Heptane	100	70-130
Trichloroethene	101	70-130
1,2-Dichloropropane	98	70-130
1,4-Dioxane	94	70-130
Bromodichloromethane	104	70-130
cis-1,3-Dichloropropene	100	70-130
4-Methyl-2-pentanone	88	70-130
Toluene	100	70-130
trans-1,3-Dichloropropene	105	70-130
1,1,2-Trichloroethane	107	70-130
Tetrachloroethene	107	70-130
2-Hexanone	96	70-130

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Client Sample ID: LCS

Lab ID#: 2111530A-11B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/27/21 10:08 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	110	70-130
1,2-Dibromoethane (EDB)	107	70-130
Chlorobenzene	103	70-130
Ethyl Benzene	101	70-130
m,p-Xylene	100	70-130
o-Xylene	100	70-130
Styrene	101	70-130
Bromoform	109	70-130
Cumene	101	70-130
1,1,2,2-Tetrachloroethane	99	70-130
Propylbenzene	104	70-130
4-Ethyltoluene	102	70-130
1,3,5-Trimethylbenzene	102	70-130
1,2,4-Trimethylbenzene	101	70-130
1,3-Dichlorobenzene	102	70-130
1,4-Dichlorobenzene	100	70-130
alpha-Chlorotoluene	100	70-130
1,2-Dichlorobenzene	100	70-130
1,2,4-Trichlorobenzene	80	70-130
Hexachlorobutadiene	84	70-130
Naphthalene	74	60-140

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: LCSD

Lab ID#: 2111530A-11BB

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112704**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/27/21 10:36 AM**	

Compound	%Recovery	Method Limits
Freon 12	97	70-130
Freon 114	95	70-130
Chloromethane	113	70-130
Vinyl Chloride	99	70-130
1,3-Butadiene	114	70-130
Bromomethane	90	70-130
Chloroethane	99	70-130
Freon 11	97	70-130
Ethanol	109	70-130
Freon 113	98	70-130
1,1-Dichloroethene	93	70-130
Acetone	95	70-130
2-Propanol	108	70-130
Carbon Disulfide	99	70-130
3-Chloropropene	104	70-130
Methylene Chloride	98	70-130
Methyl tert-butyl ether	97	70-130
trans-1,2-Dichloroethene	97	70-130
Hexane	100	70-130
1,1-Dichloroethane	104	70-130
2-Butanone (Methyl Ethyl Ketone)	95	70-130
cis-1,2-Dichloroethene	92	70-130
Tetrahydrofuran	96	70-130
Chloroform	101	70-130
1,1,1-Trichloroethane	102	70-130
Cyclohexane	93	70-130
Carbon Tetrachloride	104	70-130
2,2,4-Trimethylpentane	102	70-130
Benzene	100	70-130
1,2-Dichloroethane	104	70-130
Heptane	99	70-130
Trichloroethene	100	70-130
1,2-Dichloropropane	95	70-130
1,4-Dioxane	93	70-130
Bromodichloromethane	104	70-130
cis-1,3-Dichloropropene	100	70-130
4-Methyl-2-pentanone	88	70-130
Toluene	98	70-130
trans-1,3-Dichloropropene	106	70-130
1,1,2-Trichloroethane	107	70-130
Tetrachloroethene	108	70-130
2-Hexanone	97	70-130

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Client Sample ID: LCSD

Lab ID#: 2111530A-11BB

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p112704**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/27/21 10:36 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	110	70-130
1,2-Dibromoethane (EDB)	105	70-130
Chlorobenzene	103	70-130
Ethyl Benzene	100	70-130
m,p-Xylene	100	70-130
o-Xylene	99	70-130
Styrene	101	70-130
Bromoform	110	70-130
Cumene	100	70-130
1,1,2,2-Tetrachloroethane	99	70-130
Propylbenzene	103	70-130
4-Ethyltoluene	103	70-130
1,3,5-Trimethylbenzene	102	70-130
1,2,4-Trimethylbenzene	101	70-130
1,3-Dichlorobenzene	102	70-130
1,4-Dichlorobenzene	100	70-130
alpha-Chlorotoluene	101	70-130
1,2-Dichlorobenzene	101	70-130
1,2,4-Trichlorobenzene	91	70-130
Hexachlorobutadiene	94	70-130
Naphthalene	84	60-140

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	102	70-130

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11/30/2021
Mr. Nathan Diem
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda CA 94501

Project Name: Cole Administration Building
Project #: 403668001
Workorder #: 2111530B

Dear Mr. Nathan Diem

The following report includes the data for the above referenced project for sample(s) received on 11/18/2021 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Monica Tran at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Monica Tran

Project Manager

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WORK ORDER #: 2111530B

Work Order Summary

CLIENT:	Mr. Nathan Diem Ninyo & Moore 2020 Challenger Drive Suite 103 Alameda, CA 94501	**BILL TO:**	Accounts Payable - Oakland Ninyo & Moore 2020 Challenger Drive Suite 103 Alameda, CA 94501
PHONE:	510-633-5640	**P.O. #**	
FAX:	(510) 633-5640	**PROJECT #**	403668001 Cole Administration Building
DATE RECEIVED:	11/18/2021	**CONTACT:**	Monica Tran
DATE COMPLETED:	11/30/2021		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SG4-5	Modified ASTM D-1946	5.5 "Hg	9.9 psi
02A	SG4-10	Modified ASTM D-1946	5.3 "Hg	9.6 psi
03A	SG1-5	Modified ASTM D-1946	5.9 "Hg	9.9 psi
04A	SG1-5 DUP	Modified ASTM D-1946	5.9 "Hg	9.7 psi
05A	SG2-10	Modified ASTM D-1946	6.7 "Hg	9.8 psi
06A	SG3-5	Modified ASTM D-1946	4.7 "Hg	9.9 psi
07A	SG-1-10	Modified ASTM D-1946	3.5 "Hg	10 psi
08A	OA-1	Modified ASTM D-1946	5.1 "Hg	1.9 psi
09A	Lab Blank	Modified ASTM D-1946	NA	NA
09B	Lab Blank	Modified ASTM D-1946	NA	NA
10A	CCV	Modified ASTM D-1946	NA	NA
11A	LCS	Modified ASTM D-1946	NA	NA
11AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY: Heidi Mayo DATE: 11/30/21

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
Modified ASTM D-1946
Ninyo & Moore
Workorder# 2111530B

Seven 1 Liter Summa Canister and one 6 Liter Summa Canister HL samples were received on November 18, 2021. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane and fixed gases in air using GC/FID or GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the EATL modifications.

Requirement	***ASTM D-1946***	***ATL Modifications***
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A minimum of 5-point calibration curve is performed. Quantitation is based on average Response Factor.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

The number of samples received did not match the information on the Chain of Custody (COC).

Sample OA-1 was added to the analytical request.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: SG4-5

Lab ID#: 2111530B-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.20	20
Carbon Dioxide	0.020	0.34

Client Sample ID: SG4-10

Lab ID#: 2111530B-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.20	19
Methane	0.00020	0.00083
Carbon Dioxide	0.020	1.5

Client Sample ID: SG1-5

Lab ID#: 2111530B-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	18
Carbon Dioxide	0.021	2.3

Client Sample ID: SG1-5 DUP

Lab ID#: 2111530B-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	18
Carbon Dioxide	0.021	2.3

Client Sample ID: SG2-10

Lab ID#: 2111530B-05A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	3.8
Methane	0.00022	0.00061
Carbon Dioxide	0.022	4.1

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: SG3-5

Lab ID#: 2111530B-06A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.20	19
Carbon Dioxide	0.020	0.47

Client Sample ID: SG-1-10

Lab ID#: 2111530B-07A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.19	16
Carbon Dioxide	0.019	0.26
Helium	0.095	18

Client Sample ID: OA-1

Lab ID#: 2111530B-08A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.14	21
Methane	0.00014	0.00030
Carbon Dioxide	0.014	0.052

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Client Sample ID: SG4-5

Lab ID#: 2111530B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10112928**	**Date of Collection: 11/15/21 9:28:00 AM**	
Dil. Factor:	**2.05**	**Date of Analysis: 11/29/21 04:23 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.20	20
Methane	0.00020	Not Detected
Carbon Dioxide	0.020	0.34
Helium	0.10	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: SG4-10

Lab ID#: 2111530B-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10112929**	**Date of Collection: 11/15/21 10:28:00 A**	
Dil. Factor:	**2.01**	**Date of Analysis: 11/29/21 04:47 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.20	19
Methane	0.00020	0.00083
Carbon Dioxide	0.020	1.5
Helium	0.10	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: SG1-5

Lab ID#: 2111530B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10112930**	**Date of Collection: 11/15/21 11:44:00 A**	
Dil. Factor:	**2.08**	**Date of Analysis: 11/29/21 05:11 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	18
Methane	0.00021	Not Detected
Carbon Dioxide	0.021	2.3
Helium	0.10	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: SG1-5 DUP

Lab ID#: 2111530B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10112931**	**Date of Collection:**	**11/15/21 11:55:00 A**
Dil. Factor:	**2.07**	**Date of Analysis:**	**11/29/21 05:34 PM**

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	18
Methane	0.00021	Not Detected
Carbon Dioxide	0.021	2.3
Helium	0.10	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: SG2-10

Lab ID#: 2111530B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10112932**	**Date of Collection: 11/16/21 3:00:00 PM**	
Dil. Factor:	**2.15**	**Date of Analysis: 11/29/21 06:00 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	3.8
Methane	0.00022	0.00061
Carbon Dioxide	0.022	4.1
Helium	0.11	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: SG3-5

Lab ID#: 2111530B-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10112933**	**Date of Collection: 11/16/21 4:02:00 PM**	
Dil. Factor:	**1.98**	**Date of Analysis: 11/29/21 06:26 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.20	19
Methane	0.00020	Not Detected
Carbon Dioxide	0.020	0.47
Helium	0.099	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: SG-1-10

Lab ID#: 2111530B-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10112934**	**Date of Collection: 11/16/21 4:49:00 PM**	
Dil. Factor:	**1.90**	**Date of Analysis: 11/29/21 06:51 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.19	16
Methane	0.00019	Not Detected
Carbon Dioxide	0.019	0.26
Helium	0.095	18

Container Type: 1 Liter Summa Canister

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Client Sample ID: OA-1

Lab ID#: 2111530B-08A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10112935**	**Date of Collection: 11/15/21 4:15:00 PM**	
Dil. Factor:	**1.36**	**Date of Analysis: 11/29/21 07:16 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.14	21
Methane	0.00014	0.00030
Carbon Dioxide	0.014	0.052
Helium	0.068	Not Detected

Container Type: 6 Liter Summa Canister HL

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Client Sample ID: Lab Blank

Lab ID#: 2111530B-09A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10112926**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/29/21 03:26 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Methane	0.00010	Not Detected
Carbon Dioxide	0.010	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: Lab Blank

Lab ID#: 2111530B-09B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10112927c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/29/21 03:59 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 2111530B-10A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10112924**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 11/29/21 02:33 PM**

Compound	%Recovery
Oxygen	96
Methane	98
Carbon Dioxide	105
Helium	100

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 2111530B-11A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10112925**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/29/21 03:00 PM**	

Compound	%Recovery	Method Limits
Oxygen	96	85-115
Methane	98	85-115
Carbon Dioxide	104	85-115
Helium	111	85-115

Container Type: NA - Not Applicable

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Client Sample ID: LCSD

Lab ID#: 2111530B-11AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10112949**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/30/21 01:38 AM**	

Compound	%Recovery	Method Limits
Oxygen	96	85-115
Methane	100	85-115
Carbon Dioxide	103	85-115
Helium	112	85-115

Container Type: NA - Not Applicable

Ninyo & Moore
2020 Challenger Drive, Suite 103
Alameda, California 94501
Tel: 510-343-3000

RE: Cole Administration Building

Work Order No.: 2112034 Rev: 1

Dear Nathan Diem:

Torrent Laboratory, Inc. received 1 sample(s) on December 03, 2021 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991 If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Kathie Evans
Project Manager

December 08, 2021
Date

Date: 12/8/2021

Client: Ninyo & Moore

Project: Cole Administration Building

Work Order: 2112034

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.

Oxygen, CO2 and methane data is pending.

REVISIONS

Report revised to include Helium data.

Rev. 1 (12/10/21)

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Nathan Diem
Ninyo & Moore

Date Received: 12/03/21
Date Reported: 12/08/21

SG1-10 2112034-001

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Helium	D1946	4.2	0.0094	2.1	0.093%
Carbon Disulfide	ETO15	1	0.37	1.6	2.8
Acetone	ETO15	1	0.40	12	25
Chloroform	ETO15	1	0.97	2.4	6.9
2-Butanone (MEK)	ETO15	1	0.39	1.5	3.9

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 12/03/21, 2:30 pm
Date Reported: 12/08/21

Client Sample ID:	SG1-10	**Lab Sample ID:**	2112034-001A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Air
Project Number:	403668001		
Date/Time Sampled:	12/03/21 / 9:49	**Certified Clean WO # :**	
Canister/Tube ID:	A12261	**Received PSI :**	14.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	FG-P	**Prep Batch Date/Time:**	12/8/21 2:34:00PM
Prep Batch ID:	1137562	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Helium	D1946	4.20	0.0094	2.1	0.093		J	12/08/21	15:00	BA	462044

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/6/21 7:00:00AM
Prep Batch ID:	1137475	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	1.00	1.6	2.5	ND	ND		12/06/21	16:08	BA	461966
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		12/06/21	16:08	BA	461966
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		12/06/21	16:08	BA	461966
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		12/06/21	16:08	BA	461966
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		12/06/21	16:08	BA	461966
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		12/06/21	16:08	BA	461966
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		12/06/21	16:08	BA	461966
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		12/06/21	16:08	BA	461966
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		12/06/21	16:08	BA	461966
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		12/06/21	16:08	BA	461966
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		12/06/21	16:08	BA	461966
Carbon Disulfide	ETO15	1.00	0.37	1.6	2.8	0.90		12/06/21	16:08	BA	461966
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		12/06/21	16:08	BA	461966
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		12/06/21	16:08	BA	461966
Acetone	ETO15	1.00	0.40	12	25	10.50		12/06/21	16:08	BA	461966
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		12/06/21	16:08	BA	461966
Hexane	ETO15	1.00	0.46	1.8	ND	ND		12/06/21	16:08	BA	461966
MTBE	ETO15	1.00	0.44	1.8	ND	ND		12/06/21	16:08	BA	461966
tert-Butanol	ETO15	1.00	0.62	1.5	ND	ND		12/06/21	16:08	BA	461966
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		12/06/21	16:08	BA	461966
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		12/06/21	16:08	BA	461966
ETBE	ETO15	1.00	0.33	2.1	ND	ND		12/06/21	16:08	BA	461966
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		12/06/21	16:08	BA	461966
Chloroform	ETO15	1.00	0.97	2.4	6.9	1.41		12/06/21	16:08	BA	461966

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 12/03/21, 2:30 pm
Date Reported: 12/08/21

Client Sample ID:	SG1-10	**Lab Sample ID:**	2112034-001A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Air
Project Number:	403668001		
Date/Time Sampled:	12/03/21 / 9:49	**Certified Clean WO # :**	
Canister/Tube ID:	A12261	**Received PSI :**	14.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/6/21 7:00:00AM
Prep Batch ID:	1137475	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		12/06/21	16:08	BA	461966
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		12/06/21	16:08	BA	461966
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		12/06/21	16:08	BA	461966
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	3.9	1.32		12/06/21	16:08	BA	461966
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		12/06/21	16:08	BA	461966
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		12/06/21	16:08	BA	461966
Benzene	ETO15	1.00	0.44	1.6	ND	ND		12/06/21	16:08	BA	461966
TAME	ETO15	1.00	0.67	2.1	ND	ND		12/06/21	16:08	BA	461966
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		12/06/21	16:08	BA	461966
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		12/06/21	16:08	BA	461966
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		12/06/21	16:08	BA	461966
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		12/06/21	16:08	BA	461966
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		12/06/21	16:08	BA	461966
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		12/06/21	16:08	BA	461966
Toluene	ETO15	1.00	0.75	1.9	ND	ND		12/06/21	16:08	BA	461966
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		12/06/21	16:08	BA	461966
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		12/06/21	16:08	BA	461966
Tetrachloroethylene	ETO15	1.00	1.5	3.4	ND	ND		12/06/21	16:08	BA	461966
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		12/06/21	16:08	BA	461966
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		12/06/21	16:08	BA	461966
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		12/06/21	16:08	BA	461966
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		12/06/21	16:08	BA	461966
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		12/06/21	16:08	BA	461966
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		12/06/21	16:08	BA	461966
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		12/06/21	16:08	BA	461966
m,p-Xylene	ETO15	1.00	0.98	2.2	ND	ND		12/06/21	16:08	BA	461966
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		12/06/21	16:08	BA	461966
Styrene	ETO15	1.00	0.46	2.1	ND	ND		12/06/21	16:08	BA	461966
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		12/06/21	16:08	BA	461966
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		12/06/21	16:08	BA	461966
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		12/06/21	16:08	BA	461966
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		12/06/21	16:08	BA	461966
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		12/06/21	16:08	BA	461966

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 12/03/21, 2:30 pm
Date Reported: 12/08/21

Client Sample ID:	SG1-10	**Lab Sample ID:**	2112034-001A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Air
Project Number:	403668001		
Date/Time Sampled:	12/03/21 / 9:49	**Certified Clean WO # :**	
Canister/Tube ID:	A12261	**Received PSI :**	14.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/6/21	7:00:00AM
Prep Batch ID:	1137475	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		12/06/21	16:08	BA	461966
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		12/06/21	16:08	BA	461966
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		12/06/21	16:08	BA	461966
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		12/06/21	16:08	BA	461966
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		12/06/21	16:08	BA	461966
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		12/06/21	16:08	BA	461966
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	100 %			12/06/21	16:08	BA	461966

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2112034	**Prep Method:**	TO15-P	**Prep Date:**	12/06/21	**Prep Batch:**	1137475
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	12/6/2021	**Analytical Batch:**	461966
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.32	0.50	ND	
1,1-Difluoroethane	0.13	5.0	ND	
1,2-Dichlorotetrafluoroethane	0.20	0.50	ND	
Chloromethane	0.99	2.0	ND	
Vinyl Chloride	0.088	0.50	ND	
1,3-Butadiene	0.15	0.50	ND	
Bromomethane	0.17	0.50	ND	
Chloroethane	0.31	0.50	ND	
Trichlorofluoromethane	0.099	0.50	ND	
1,1-Dichloroethene	0.21	0.50	ND	
Freon 113	0.13	0.50	ND	
Carbon Disulfide	0.12	0.50	ND	
2-Propanol (Isopropyl Alcohol)	0.52	5.0	ND	
Methylene Chloride	0.20	3.0	ND	
Acetone	0.17	5.0	ND	
trans-1,2-Dichloroethene	0.12	0.50	ND	
Hexane	0.13	0.50	ND	
MTBE	0.12	0.50	ND	
tert-Butanol	0.20	0.50	ND	
Diisopropyl ether (DIPE)	0.18	0.50	ND	
1,1-Dichloroethane	0.13	0.50	ND	
ETBE	0.078	0.50	ND	
cis-1,2-Dichloroethene	0.21	0.50	ND	
Chloroform	0.20	0.50	ND	
Vinyl Acetate	0.22	0.50	ND	
Carbon Tetrachloride	0.18	0.50	ND	
1,1,1-Trichloroethane	0.15	0.50	ND	
2-Butanone (MEK)	0.13	0.50	ND	
Ethyl Acetate	0.13	0.50	0.27	
Tetrahydrofuran	0.15	0.50	ND	
Benzene	0.14	0.50	ND	
TAME	0.16	0.50	ND	
1,2-Dichloroethane (EDC)	0.10	0.50	ND	
Trichloroethylene	0.15	0.50	ND	
1,2-Dichloropropane	0.17	0.50	ND	
Bromodichloromethane	0.11	0.50	ND	
1,4-Dioxane	0.50	1.0	ND	
trans-1,3-Dichloropropene	0.23	0.50	ND	
Toluene	0.20	0.50	ND	
4-Methyl-2-Pentanone (MIBK)	0.18	0.50	ND	
cis-1,3-Dichloropropene	0.093	0.50	ND	
Tetrachloroethylene	0.22	0.50	ND	

MB Summary Report

Work Order:	2112034	**Prep Method:**	TO15-P	**Prep Date:**	12/06/21	**Prep Batch:**	1137475
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	12/6/2021	**Analytical Batch:**	461966
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
1,1,2-Trichloroethane	0.11	0.50	ND	
Dibromochloromethane	0.13	0.50	ND	
1,2-Dibromoethane (EDB)	0.096	0.50	ND	
2-Hexanone	0.16	0.50	ND	
Ethyl Benzene	0.15	0.50	ND	
Chlorobenzene	0.13	0.50	ND	
1,1,1,2-Tetrachloroethane	0.12	0.50	ND	
m,p-Xylene	0.23	0.50	ND	
o-Xylene	0.070	0.50	ND	
Styrene	0.11	0.50	ND	
Bromoform	0.13	0.50	ND	
1,1,2,2-Tetrachloroethane	0.12	0.50	ND	
4-Ethyl Toluene	0.11	0.50	ND	
1,3,5-Trimethylbenzene	0.061	0.50	ND	
1,2,4-Trimethylbenzene	0.12	0.50	ND	
1,4-Dichlorobenzene	0.12	0.50	ND	
1,3-Dichlorobenzene	0.22	0.50	ND	
1,2-Dichlorobenzene	0.18	0.50	ND	
Hexachlorobutadiene	0.17	0.50	ND	
1,2,4-Trichlorobenzene	0.29	0.50	ND	
Naphthalene	0.24	0.50	ND	
Cyclohexane	0.50	0.50	ND	
Benzyl Chloride	0.20	0.50	ND	
Heptane	0.13	0.50	ND	
(S) 4-Bromofluorobenzene			97	

Work Order:	2112034	**Prep Method:**	FG-P	**Prep Date:**	12/07/21	**Prep Batch:**	1137518
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	12/7/2021	**Analytical Batch:**	461999
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Ethene	110	500	ND	
Ethane	130	500	ND	
Hydrogen	180	500	ND	
Oxygen	110	500	ND	
Methane	23	50	ND	
Carbon Monoxide	200	500	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2112034	**Prep Method:**	FG-P	**Prep Date:**	12/08/21	**Prep Batch:**	1137562
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	12/8/2021	**Analytical Batch:**	462044
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Helium	22	5000	ND		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2112034	**Prep Method:**	TO15-P	**Prep Date:**	12/06/21	**Prep Batch:**	1137475
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	12/6/2021	**Analytical Batch:**	461966
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.21	0.50	ND	8.00	121	121	0.310	65 - 135	30	
Benzene	0.14	0.50	ND	8.00	98.2	95.8	2.58	65 - 135	30	
Trichloroethylene	0.15	0.50	ND	8.00	97.8	95.0	2.98	65 - 135	30	
Toluene	0.20	0.50	ND	8.00	92.3	91.0	1.36	65 - 135	30	
Chlorobenzene	0.13	0.50	ND	8.00	96.1	96.7	0.648	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	103	108		50 - 150		

Work Order:	2112034	**Prep Method:**	FG-P	**Prep Date:**	12/07/21	**Prep Batch:**	1137518
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	12/7/2021	**Analytical Batch:**	461999
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Ethene	110	500	ND	2500	75.6	68.7	9.42	65 - 135	30	
Ethane	130	500	ND	2500	77.2	70.6	9.21	65 - 135	30	
Hydrogen	180	500	ND	2500	89.1	86.2	3.19	65 - 135	30	
Oxygen	110	500	ND	2500	110	98.6	11.1	65 - 135	30	
Methane	230	500	ND	2500	113	119	4.81	65 - 135	30	
Carbon Monoxide	200	500	ND	2500	82.5	83.0	0.484	65 - 135	30	

Work Order:	2112034	**Prep Method:**	FG-P	**Prep Date:**	12/08/21	**Prep Batch:**	1137562
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	12/9/2021	**Analytical Batch:**	462044
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Helium	22	100	ND	5000	97.1	84.0	14.4	65 - 135	30	

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Ninyo & Moore

Project Name: Cole Administration Building

Work Order No.: 2112034

Date and Time Received: 12/3/2021 2:30:00PM

Received By: ke

Physically Logged By: Lorna Imbat

Checklist Completed By: Lorna Imbat

Carrier Name: FedEx City

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes
Container/Temp Blank temperature in compliance?	Temperature: °C
Water-VOA vials have zero headspace?	No VOA vials submitted
Water-pH acceptable upon receipt?	N/A

pH Checked by: n/a

pH Adjusted by: n/a

Comments:

Login Summary Report

Client ID: TL5144 Ninyo & Moore
Project Name: Cole Administration Building
Project # : 403668001
Report Due Date: 12/8/2021

QC Level: II
TAT Requested: 3 Day Std:3
Date Received: 12/3/2021
Time Received: 2:30 pm

Comments:

Work Order # : ***2112034***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
2112034-001A	SG1-10	12/03/21 9:49	Air				VOC_A_TO15 VOC_A_FG D1946 VOC_A_FG D1946 EDD	

Sample Note: TO-15,O2,CO2 CH4 and Helium

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.

483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

Reset

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 2112034

Company Name: 2020 Challenger Drive, Suite 103 ☐ ☐ Env. ☐ Special	Project #: 403668001 PO #:
Address: 2020 Challenger Drive, Suite 103	Project Name: Cole Administration Building
City: Alameda State: CA Zip Code: 94501	Comments:
Telephone: 510-343-3000 Cell: 510-584-7217	SAMPLER: Daysi Nemecio Quote #:
REPORT TO: Nathan Diem BILL TO: Nathan Diem	EMAIL: ndiem@ninyoandmoore.com

TURNAROUND TIME: ☐ 2 - 8 Hours ☐ 2 Work Days ☐ 5 Work Days ☐ Noon - Nxt Day ☒ 3 Work Days ☐ 7 Work Days ☐ 1 Work Day ☐ 4 Work Days ☐ 10 Work Days

SAMPLE TYPE: ☐ Indoor Air ☐ Ambient Air ☒ Soil/Gas Vapor ☐ Other

REPORT FORMAT: ☐ Level II - Std. ☒ Excel - EDD ☐ EDF ☐ Std.-EDD ☐ QC Level III ☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initial Vac.	Final Vac.	Flow Controller #	TO 15 VOCs	TO 15 SIM	TO 17	O_2, CO_2, CH_4 ASTM D1946	Helium (tracer gas)		REMARKS
001 A	SGI-10	12/3/21 9:49	Air	1	6L (1L)	A12261	-30"Hg	-3.0"Hg	EoH	☒	☐	☐	X	X		
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Daysi Nemecio	Daysi Nemecio	12/3/21	11:34	Fed Ex			
2	Fed Ex				Karme	Cu@	12-3-21	14:30

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☐ Yes ☐ NO Method of Shipment Fed Ex City Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: ______ Date: ______ Labeled By: ______ Date: ______ Temp ______ °C Page ___ of ___ Rev. 5

QA-F-066, TLICD-960

Summas rec'd @ ambient

Ninyo & Moore
2020 Challenger Drive, Suite 103
Alameda, California 94501
Tel: 510-343-3000

RE: Cole Administration Building

Work Order No.: 2112034 Rev: 2

Dear Nathan Diem:

Torrent Laboratory, Inc. received 1 sample(s) on December 03, 2021 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991 If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Kathie Evans
Project Manager

December 08, 2021
Date

Date: 12/8/2021

Client: Ninyo & Moore

Project: Cole Administration Building

Work Order: 2112034

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.

Oxygen, CO2 and methane data is pending.

REVISIONS

Report revised to include Helium data.

Rev. 1 (12/10/21)

Report revised to include CO2, Oxygen and methane data.

Rev. 2 (12/23/21)

Sample Result Summary

Report prepared for: Nathan Diem
Ninyo & Moore

Date Received: 12/03/21
Date Reported: 12/08/21

SG1-10

2112034-001

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Carbon Dioxide	D1946	7.3	0.073	0.37	1.6%
Oxygen	D1946	7.3	0.077	0.37	16%
Helium	D1946	4.2	0.0094	2.1	0.093%
Carbon Disulfide	ETO15	1	0.37	1.6	2.8
Acetone	ETO15	1	0.40	12	25
Chloroform	ETO15	1	0.97	2.4	6.9
2-Butanone (MEK)	ETO15	1	0.39	1.5	3.9

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 12/03/21, 2:30 pm
Date Reported: 12/08/21

Client Sample ID:	SG1-10	**Lab Sample ID:**	2112034-001A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Air
Project Number:	403668001		
Date/Time Sampled:	12/03/21 / 9:49	**Certified Clean WO # :**	
Canister/Tube ID:	A12261	**Received PSI :**	14.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method: FG-P **Prep Batch Date/Time:** 12/8/21 2:34:00PM
Prep Batch ID: 1137562 **Prep Analyst:** BPATEL

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Helium	D1946	4.20	0.0094	2.1	0.093		J	12/08/21	15:00	BA	462044

Prep Method: FG-P **Prep Batch Date/Time:** 12/7/21 10:27:00AM
Prep Batch ID: 1137518 **Prep Analyst:** BPATEL

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Dioxide	D1946	7.30	0.073	0.37	1.6			12/07/21	17:23	BP	461999
Oxygen	D1946	7.30	0.077	0.37	16			12/07/21	17:23	BP	461999
Methane	D1946	7.30	0.017	0.037	ND			12/07/21	17:23	BP	461999

Prep Method: TO15-P **Prep Batch Date/Time:** 12/6/21 7:00:00AM
Prep Batch ID: 1137475 **Prep Analyst:** BPATEL

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	1.00	1.6	2.5	ND	ND		12/06/21	16:08	BA	461966
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		12/06/21	16:08	BA	461966
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		12/06/21	16:08	BA	461966
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		12/06/21	16:08	BA	461966
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		12/06/21	16:08	BA	461966
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		12/06/21	16:08	BA	461966
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		12/06/21	16:08	BA	461966
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		12/06/21	16:08	BA	461966
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		12/06/21	16:08	BA	461966
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		12/06/21	16:08	BA	461966
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		12/06/21	16:08	BA	461966
Carbon Disulfide	ETO15	1.00	0.37	1.6	2.8	0.90		12/06/21	16:08	BA	461966
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		12/06/21	16:08	BA	461966
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		12/06/21	16:08	BA	461966
Acetone	ETO15	1.00	0.40	12	25	10.50		12/06/21	16:08	BA	461966
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		12/06/21	16:08	BA	461966
Hexane	ETO15	1.00	0.46	1.8	ND	ND		12/06/21	16:08	BA	461966
MTBE	ETO15	1.00	0.44	1.8	ND	ND		12/06/21	16:08	BA	461966

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 12/03/21, 2:30 pm
Date Reported: 12/08/21

Client Sample ID:	SG1-10	**Lab Sample ID:**	2112034-001A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Air
Project Number:	403668001		
Date/Time Sampled:	12/03/21 / 9:49	**Certified Clean WO # :**	
Canister/Tube ID:	A12261	**Received PSI :**	14.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/6/21	7:00:00AM
Prep Batch ID:	1137475	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
tert-Butanol	ETO15	1.00	0.62	1.5	ND	ND		12/06/21	16:08	BA	461966
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		12/06/21	16:08	BA	461966
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		12/06/21	16:08	BA	461966
ETBE	ETO15	1.00	0.33	2.1	ND	ND		12/06/21	16:08	BA	461966
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		12/06/21	16:08	BA	461966
Chloroform	ETO15	1.00	0.97	2.4	6.9	1.41		12/06/21	16:08	BA	461966
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		12/06/21	16:08	BA	461966
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		12/06/21	16:08	BA	461966
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		12/06/21	16:08	BA	461966
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	3.9	1.32		12/06/21	16:08	BA	461966
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		12/06/21	16:08	BA	461966
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		12/06/21	16:08	BA	461966
Benzene	ETO15	1.00	0.44	1.6	ND	ND		12/06/21	16:08	BA	461966
TAME	ETO15	1.00	0.67	2.1	ND	ND		12/06/21	16:08	BA	461966
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		12/06/21	16:08	BA	461966
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		12/06/21	16:08	BA	461966
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		12/06/21	16:08	BA	461966
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		12/06/21	16:08	BA	461966
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		12/06/21	16:08	BA	461966
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		12/06/21	16:08	BA	461966
Toluene	ETO15	1.00	0.75	1.9	ND	ND		12/06/21	16:08	BA	461966
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		12/06/21	16:08	BA	461966
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		12/06/21	16:08	BA	461966
Tetrachloroethylene	ETO15	1.00	1.5	3.4	ND	ND		12/06/21	16:08	BA	461966
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		12/06/21	16:08	BA	461966
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		12/06/21	16:08	BA	461966
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		12/06/21	16:08	BA	461966
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		12/06/21	16:08	BA	461966
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		12/06/21	16:08	BA	461966
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		12/06/21	16:08	BA	461966
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		12/06/21	16:08	BA	461966
m,p-Xylene	ETO15	1.00	0.98	2.2	ND	ND		12/06/21	16:08	BA	461966
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		12/06/21	16:08	BA	461966
Styrene	ETO15	1.00	0.46	2.1	ND	ND		12/06/21	16:08	BA	461966
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		12/06/21	16:08	BA	461966
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		12/06/21	16:08	BA	461966
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		12/06/21	16:08	BA	461966

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Nathan Diem
Ninyo & Moore

Date/Time Received: 12/03/21, 2:30 pm
Date Reported: 12/08/21

Client Sample ID:	SG1-10	**Lab Sample ID:**	2112034-001A
Project Name/Location:	Cole Administration Building	**Sample Matrix:**	Air
Project Number:	403668001		
Date/Time Sampled:	12/03/21 / 9:49	**Certified Clean WO # :**	
Canister/Tube ID:	A12261	**Received PSI :**	14.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/6/21	7:00:00AM
Prep Batch ID:	1137475	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		12/06/21	16:08	BA	461966
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		12/06/21	16:08	BA	461966
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		12/06/21	16:08	BA	461966
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		12/06/21	16:08	BA	461966
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		12/06/21	16:08	BA	461966
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		12/06/21	16:08	BA	461966
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		12/06/21	16:08	BA	461966
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		12/06/21	16:08	BA	461966
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	100 %			12/06/21	16:08	BA	461966

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2112034	**Prep Method:**	TO15-P	**Prep Date:**	12/06/21	**Prep Batch:**	1137475
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	12/6/2021	**Analytical Batch:**	461966
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.32	0.50	ND	
1,1-Difluoroethane	0.13	5.0	ND	
1,2-Dichlorotetrafluoroethane	0.20	0.50	ND	
Chloromethane	0.99	2.0	ND	
Vinyl Chloride	0.088	0.50	ND	
1,3-Butadiene	0.15	0.50	ND	
Bromomethane	0.17	0.50	ND	
Chloroethane	0.31	0.50	ND	
Trichlorofluoromethane	0.099	0.50	ND	
1,1-Dichloroethene	0.21	0.50	ND	
Freon 113	0.13	0.50	ND	
Carbon Disulfide	0.12	0.50	ND	
2-Propanol (Isopropyl Alcohol)	0.52	5.0	ND	
Methylene Chloride	0.20	3.0	ND	
Acetone	0.17	5.0	ND	
trans-1,2-Dichloroethene	0.12	0.50	ND	
Hexane	0.13	0.50	ND	
MTBE	0.12	0.50	ND	
tert-Butanol	0.20	0.50	ND	
Diisopropyl ether (DIPE)	0.18	0.50	ND	
1,1-Dichloroethane	0.13	0.50	ND	
ETBE	0.078	0.50	ND	
cis-1,2-Dichloroethene	0.21	0.50	ND	
Chloroform	0.20	0.50	ND	
Vinyl Acetate	0.22	0.50	ND	
Carbon Tetrachloride	0.18	0.50	ND	
1,1,1-Trichloroethane	0.15	0.50	ND	
2-Butanone (MEK)	0.13	0.50	ND	
Ethyl Acetate	0.13	0.50	0.27	
Tetrahydrofuran	0.15	0.50	ND	
Benzene	0.14	0.50	ND	
TAME	0.16	0.50	ND	
1,2-Dichloroethane (EDC)	0.10	0.50	ND	
Trichloroethylene	0.15	0.50	ND	
1,2-Dichloropropane	0.17	0.50	ND	
Bromodichloromethane	0.11	0.50	ND	
1,4-Dioxane	0.50	1.0	ND	
trans-1,3-Dichloropropene	0.23	0.50	ND	
Toluene	0.20	0.50	ND	
4-Methyl-2-Pentanone (MIBK)	0.18	0.50	ND	
cis-1,3-Dichloropropene	0.093	0.50	ND	
Tetrachloroethylene	0.22	0.50	ND	
1,1,2-Trichloroethane	0.11	0.50	ND	
Dibromochloromethane	0.13	0.50	ND	
1,2-Dibromoethane (EDB)	0.096	0.50	ND	

MB Summary Report

Work Order:	2112034	**Prep Method:**	TO15-P	**Prep Date:**	12/06/21	**Prep Batch:**	1137475
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	12/6/2021	**Analytical Batch:**	461966
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
2-Hexanone	0.16	0.50	ND	
Ethyl Benzene	0.15	0.50	ND	
Chlorobenzene	0.13	0.50	ND	
1,1,1,2-Tetrachloroethane	0.12	0.50	ND	
m,p-Xylene	0.23	0.50	ND	
o-Xylene	0.070	0.50	ND	
Styrene	0.11	0.50	ND	
Bromoform	0.13	0.50	ND	
1,1,2,2-Tetrachloroethane	0.12	0.50	ND	
4-Ethyl Toluene	0.11	0.50	ND	
1,3,5-Trimethylbenzene	0.061	0.50	ND	
1,2,4-Trimethylbenzene	0.12	0.50	ND	
1,4-Dichlorobenzene	0.12	0.50	ND	
1,3-Dichlorobenzene	0.22	0.50	ND	
1,2-Dichlorobenzene	0.18	0.50	ND	
Hexachlorobutadiene	0.17	0.50	ND	
1,2,4-Trichlorobenzene	0.29	0.50	ND	
Naphthalene	0.24	0.50	ND	
Cyclohexane	0.50	0.50	ND	
Benzyl Chloride	0.20	0.50	ND	
Heptane	0.13	0.50	ND	
(S) 4-Bromofluorobenzene			97	

Work Order:	2112034	**Prep Method:**	FG-P	**Prep Date:**	12/07/21	**Prep Batch:**	1137518
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	12/21/2021	**Analytical Batch:**	461999
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Carbon Dioxide	100	500	ND	
Oxygen	110	500	ND	
Methane	23	50	ND	

Work Order:	2112034	**Prep Method:**	FG-P	**Prep Date:**	12/08/21	**Prep Batch:**	1137562
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	12/8/2021	**Analytical Batch:**	462044
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Helium	22	5000	ND	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2112034	**Prep Method:**	TO15-P	**Prep Date:**	12/06/21	**Prep Batch:**	1137475
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	12/6/2021	**Analytical Batch:**	461966
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.21	0.50	ND	8.00	121	121	0.310	65 - 135	30	
Benzene	0.14	0.50	ND	8.00	98.2	95.8	2.58	65 - 135	30	
Trichloroethylene	0.15	0.50	ND	8.00	97.8	95.0	2.98	65 - 135	30	
Toluene	0.20	0.50	ND	8.00	92.3	91.0	1.36	65 - 135	30	
Chlorobenzene	0.13	0.50	ND	8.00	96.1	96.7	0.648	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	103	108		50 - 150		

Work Order:	2112034	**Prep Method:**	FG-P	**Prep Date:**	12/07/21	**Prep Batch:**	1137518
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	12/22/2021	**Analytical Batch:**	461999
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Carbon Dioxide	100	500	ND	2500	90.3	72.4	22.1	65 - 135	30	
Oxygen	110	500	ND	2500	98.5	106	7.81	65 - 135	30	
Methane	230	500	ND	2500	89.0	85.2	4.59	65 - 135	30	

Work Order:	2112034	**Prep Method:**	FG-P	**Prep Date:**	12/08/21	**Prep Batch:**	1137562
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	12/9/2021	**Analytical Batch:**	462044
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Helium	22	100	ND	5000	97.1	84.0	14.4	65 - 135	30	

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Ninyo & Moore

Project Name: Cole Administration Building

Work Order No.: 2112034

Date and Time Received: 12/3/2021 2:30:00PM

Received By: ke

Physically Logged By: Lorna Imbat

Checklist Completed By: Lorna Imbat

Carrier Name: FedEx City

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes
Container/Temp Blank temperature in compliance?	Temperature: °C
Water-VOA vials have zero headspace?	No VOA vials submitted
Water-pH acceptable upon receipt?	N/A

pH Checked by: n/a

pH Adjusted by: n/a

Comments:

Login Summary Report

Client ID:	TL5144 Ninyo & Moore	**QC Level:**	II
Project Name:	Cole Administration Building	**TAT Requested:**	3 Day Std:3
Project # :	403668001	**Date Received:**	12/3/2021
Report Due Date:	12/8/2021	**Time Received:**	2:30 pm

Comments:

Work Order # : ***2112034***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
2112034-001A	SG1-10	12/03/21 9:49	Air				VOC_A_TO15 VOC_A_FG D1946 EDD VOC_A_FG D1946	

Sample Note: TO-15,O2,CO2 CH4 and Helium

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.

483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

Reset

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 2112034

Company Name: 2020 Challenger Drive, Suite 103 ☐	☐ Env. ☐ Special	Project #: 403668001	PO #:
Address: 2020 Challenger Drive, Suite 103		Project Name: Cole Administration Building	
City: Alameda	State: CA Zip Code: 94501	Comments:	
Telephone: 510-343-3000	Cell: 510-584-7217	SAMPLER: Daysi Nemecio	Quote #:
REPORT TO: Nathan Diem	BILL TO: Nathan Diem	EMAIL: ndiem@ninyoandmoore.com	

TURNAROUND TIME: ☐ 2 - 8 Hours ☐ 2 Work Days ☐ 5 Work Days ☐ Noon - Nxt Day ☒ 3 Work Days ☐ 7 Work Days ☐ 1 Work Day ☐ 4 Work Days ☐ 10 Work Days

SAMPLE TYPE: ☐ Indoor Air ☐ Ambient Air ☒ Soil/Gas Vapor ☐ Other

REPORT FORMAT: ☐ Level II - Std. ☒ Excel - EDD ☐ EDF ☐ Std.-EDD ☐ QC Level III ☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initial Vac.	Final Vac.	Flow Controller #	TO 15 VOCs	TO 15 SIM	TO 17	O2, CO2, CH4 ASTM D1946	Helium (+tracer gas)		REMARKS
001A	SGI-10	12/3/21 9:49	Air	1	6L (1L)	A12261	-30"Hg	-3.0"Hg	FEH	☒	☐	☐	X	X		
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Daysi Nemecio	Daysi Nemecio	12/3/21	11:34	Fed Ex			
2	Fed Ex				Karina	Eric B	12-3-21	14:30

Were Samples Received in Good Condition? ☑ Yes ☐ NO Samples on Ice? ☐ Yes ☐ NO Method of Shipment Fed Ex City Sample seals intact? ☐ Yes ☐ NO ☑ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By:________ Date:______ Labeled By:________ Date:______ Temp ______ °C Page___of___ Rev. 5

QA-F-066, TLICD-960

Summas rec'd @ ambient

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-80878-1
Client Project/Site: Cole School PEA
Revision: 1

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Mr. Nathan Diem

Authorized for release by:
12/14/2021 3:13:12 PM

Justinn Gonzales, Project Manager I
(925)484-1919
Justinn.Gonzales@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
P	The %RPD between the primary and confirmation column/detector is >40%. The higher value has been reported
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job ID: 320-80878-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-80878-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 11/18/2021. The report (revision 1) is being revised due to: Report samples to MDL per client request.

Receipt
The samples were received on 10/27/2021 12:54 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.3º C.

GC Semi VOA
Method 8081A: The following samples were diluted due to the nature of the sample matrix: (320-80878-A-25-B MS), (320-80878-A-25-C MSD), (320-80878-A-33-C MS) and (320-80878-A-33-D MSD). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8081A: The following samples were diluted due to the nature of the sample matrix : AOC1/AOC2-S5-0.5 (320-80878-6), AOC1-S6-0.5 (320-80878-8), AOC1/AOC7-S8-0.5 (320-80878-10), AOC1/AOC8-S10-0.5 (320-80878-13), AOC2-S12-0.5 (320-80878-17), AOC3/AOC8-S1A-0.5 (320-80878-25), AOC3-S1B-0.5 (320-80878-27), AOC3-S1C-0.5 (320-80878-29), AOC3-S2B-0.5 (320-80878-31) and AOC3-S2C-0.5 (320-80878-33). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8081A: The %RPD between the primary and confirmation column exceeded 40% for 4,4'-DDD and Endrin ketone for the following samples: (320-80878-A-25-B MS) and (320-80878-A-25-C MSD). The primary column values have been reported and qualified in accordance with the laboratory's SOP.

Method 8081A: The %RPD between the primary and confirmation column exceeded 40% for cis-Chlordane and 4,4'-DDE for the following samples: AOC1-S3-0.5 (320-80878-1), AOC1/AOC8-S4-0.5 (320-80878-3) and AOC1/AOC8-S4-0.5DUP (320-80878-4). The primary column values have been reported and qualified in accordance with the laboratory's SOP.

Method 8081A: The DCB Decachlorobiphenyl surrogate recovery for the following samples was outside acceptance limits (low biased) on the primary column: (LCS 320-537878/3-A). The recovery is within acceptance limits on the other column therefore, the data have been reported from confirmation column.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: AOC1-S3-0.5 (320-80878-1), AOC1/AOC8-S4-0.5 (320-80878-3), AOC1/AOC8-S4-0.5DUP (320-80878-4), AOC1/AOC7-S8-2 (320-80878-11), AOC1/AOC7-S8-2DUP (320-80878-12) and AOC1-S11-0.5 (320-80878-15), AOC2-S12-0.5DUP (320-80878-18), AOC2/AOC3-S13/S3I-0.5 (320-80878-21), AOC2-S14-0.5 (320-80878-23), AOC3-S1B-2 (320-80878-28), AOC3-S1C-2 (320-80878-30) and AOC3-S2B-2 (320-80878-32). Elevated reporting limits (RLs) are provided.

Method 8081A: Surrogate recovery for the following samples were outside control limits: AOC1-S3-0.5 (320-80878-1), AOC1/AOC8-S4-0.5 (320-80878-3), AOC1/AOC8-S4-2 (320-80878-5), AOC1/AOC7-S8-2DUP (320-80878-12), AOC1/AOC8-S10-2 (320-80878-14), AOC2-S12-0.5DUP (320-80878-18), AOC2/AOC3-S13/S3I-0.5 (320-80878-21), AOC2-S14-2 (320-80878-24), AOC3/AOC8-S1A-2 (320-80878-26) and AOC3-S2B-2 (320-80878-32). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8082: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 320-539070 and analytical batch 320-543265 was outside control limits. Sample non-homogeneity is suspected.

Method 8082: Surrogate recovery for the following samples were outside control limits: AOC1-S3-0.5 (320-80878-1), AOC1/AOC7-S8-0.5 (320-80878-10), AOC1/AOC8-S10-0.5 (320-80878-13), AOC1-S11-0.5 (320-80878-15) and AOC2-S12-0.5 (320-80878-17). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Job ID: 320-80878-1 (Continued)

Laboratory: Eurofins TestAmerica, Sacramento (Continued)

Method 8082: The continuing calibration verification (CCV) associated with batch 320-543551 recovered above the upper control limit for PCB-1254. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: AOC1-S3-0.5 (320-80878-1), AOC1/AOC8-S4-0.5 (320-80878-3), AOC1/AOC8-S4-0.5DUP (320-80878-4), AOC1/AOC2-S5-0.5 (320-80878-6), AOC1-S6-0.5 (320-80878-8), AOC1/AOC7-S8-0.5 (320-80878-10), AOC1/AOC8-S10-0.5 (320-80878-13), AOC1-S11-0.5 (320-80878-15), AOC2-S12-0.5 (320-80878-17), (CCV 320-543551/4), (LCS 320-539050/2-A), (MB 320-539050/1-A), (320-80878-A-17-D MS) and (320-80878-A-17-E MSD).

Method 8082: EPA Method 8082/8082A requires a minimum of 3 peaks to be used for PCB quantitation. Due to the presence of matrix interferences in the following sample(s), only four peaks were used for quantitation.

Method 8082: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 320-539050 and analytical batch 320-543551 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Metals

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 320-538884 and analytical batch 320-539464 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Organic Prep

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-191082. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

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

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC1-S3-0.5 — Lab Sample ID: 320-80878-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	1.3	J p	3.4	0.45	ug/Kg	2		8081A	Total/NA
4,4'-DDE	3.6	p	3.4	0.41	ug/Kg	2		8081A	Total/NA
4,4'-DDT	0.51	J p	3.4	0.49	ug/Kg	2		8081A	Total/NA
cis-Chlordane	5.5	P	3.4	0.36	ug/Kg	2		8081A	Total/NA
Dieldrin	2.3	J	3.4	0.39	ug/Kg	2		8081A	Total/NA
trans-Chlordane	1.5	J	3.4	1.2	ug/Kg	2		8081A	Total/NA
PCB-1260	6.0	J	33	2.7	ug/Kg	1		8082	Total/NA
Lead	250		0.50	0.13	mg/Kg	1		6010B	Total/NA
Arsenic	3.3		1.0	0.65	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC1-S3-2 — Lab Sample ID: 320-80878-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.29	J	1.7	0.21	ug/Kg	1		8081A	Total/NA
4,4'-DDT	1.0	J	1.7	0.25	ug/Kg	1		8081A	Total/NA
cis-Chlordane	0.70	J P	1.7	0.18	ug/Kg	1		8081A	Total/NA
Dieldrin	0.24	J	1.7	0.20	ug/Kg	1		8081A	Total/NA

Client Sample ID: AOC1/AOC8-S4-0.5 — Lab Sample ID: 320-80878-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	15		8.2	1.0	ug/Kg	5		8081A	Total/NA
4,4'-DDT	31		8.2	1.2	ug/Kg	5		8081A	Total/NA
cis-Chlordane	62	P	8.2	0.86	ug/Kg	5		8081A	Total/NA
Dieldrin	45		8.2	0.96	ug/Kg	5		8081A	Total/NA
trans-Chlordane	23		8.2	2.9	ug/Kg	5		8081A	Total/NA
Heptachlor epoxide	5.6	J	8.2	0.86	ug/Kg	5		8081A	Total/NA
PCB-1260	43		32	2.6	ug/Kg	1		8082	Total/NA
Lead	730		0.97	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	7.4		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC1/AOC8-S4-0.5DUP — Lab Sample ID: 320-80878-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	13		8.0	0.98	ug/Kg	5		8081A	Total/NA
4,4'-DDT	27		8.0	1.2	ug/Kg	5		8081A	Total/NA
cis-Chlordane	70	P	8.0	0.84	ug/Kg	5		8081A	Total/NA
Dieldrin	18		8.0	0.94	ug/Kg	5		8081A	Total/NA
trans-Chlordane	25		8.0	2.8	ug/Kg	5		8081A	Total/NA
Heptachlor epoxide	4.8	J	8.0	0.84	ug/Kg	5		8081A	Total/NA
PCB-1260	37		31	2.5	ug/Kg	1		8082	Total/NA
Lead	620		0.99	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	9.2		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC1/AOC8-S4-2 — Lab Sample ID: 320-80878-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-Chlordane	0.51	J P	1.7	0.18	ug/Kg	1		8081A	Total/NA
Dieldrin	0.28	J	1.7	0.20	ug/Kg	1		8081A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC1/AOC2-S5-0.5 — Lab Sample ID: 320-80878-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	9.1		1.0	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	3.4		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC1/AOC2-S5-2 — Lab Sample ID: 320-80878-7

No Detections.

Client Sample ID: AOC1-S6-0.5 — Lab Sample ID: 320-80878-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	4.0	J	17	2.5	ug/Kg	10		8081A	Total/NA
Lead	140		0.98	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	3.8		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC1-S6-2 — Lab Sample ID: 320-80878-9

No Detections.

Client Sample ID: AOC1/AOC7-S8-0.5 — Lab Sample ID: 320-80878-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	56		0.99	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	1.9	J	2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC1/AOC7-S8-2 — Lab Sample ID: 320-80878-11

No Detections.

Client Sample ID: AOC1/AOC7-S8-2DUP — Lab Sample ID: 320-80878-12

No Detections.

Client Sample ID: AOC1/AOC8-S10-0.5 — Lab Sample ID: 320-80878-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	2.6	J	17	2.3	ug/Kg	10		8081A	Total/NA
4,4'-DDE	3.9	J P	17	2.1	ug/Kg	10		8081A	Total/NA
4,4'-DDT	2.7	J	17	2.5	ug/Kg	10		8081A	Total/NA
PCB-1254	4.3	J	33	3.8	ug/Kg	1		8082	Total/NA
Lead	70		0.97	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	2.7		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC1/AOC8-S10-2 — Lab Sample ID: 320-80878-14

No Detections.

Client Sample ID: AOC1-S11-0.5 — Lab Sample ID: 320-80878-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	3.2	J	8.2	1.0	ug/Kg	5		8081A	Total/NA
4,4'-DDT	4.7	J	8.2	1.2	ug/Kg	5		8081A	Total/NA
cis-Chlordane	4.8	J P	8.2	0.87	ug/Kg	5		8081A	Total/NA
Dieldrin	2.9	J	8.2	0.97	ug/Kg	5		8081A	Total/NA
PCB-1260	27	J p	32	2.6	ug/Kg	1		8082	Total/NA
Lead	450		0.98	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	4.1		2.0	1.3	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC1-S11-2 — Lab Sample ID: 320-80878-16

No Detections.

Client Sample ID: AOC2-S12-0.5 — Lab Sample ID: 320-80878-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	54		0.98	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	3.4		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC2-S12-0.5DUP — Lab Sample ID: 320-80878-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	52		1.0	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	3.1		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC2-S12-2 — Lab Sample ID: 320-80878-19

No Detections.

Client Sample ID: AOC2-S12-2DUP — Lab Sample ID: 320-80878-20

No Detections.

Client Sample ID: AOC2/AOC3-S13/S3I-0.5 — Lab Sample ID: 320-80878-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	14		1.0	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	18		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC2/AOC3-S13/S3I-2 — Lab Sample ID: 320-80878-22

No Detections.

Client Sample ID: AOC2-S14-0.5 — Lab Sample ID: 320-80878-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	69		0.95	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	2.9		1.9	1.2	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC2-S14-2 — Lab Sample ID: 320-80878-24

No Detections.

Client Sample ID: AOC3/AOC8-S1A-0.5 — Lab Sample ID: 320-80878-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12		2.5	2.3	mg/Kg	1		6010B	Total/NA
Barium	78		0.50	0.22	mg/Kg	1		6010B	Total/NA
Cadmium	0.45	J	0.50	0.20	mg/Kg	1		6010B	Total/NA
Cobalt	7.6		1.0	0.23	mg/Kg	1		6010B	Total/NA
Chromium	16		1.0	0.18	mg/Kg	1		6010B	Total/NA
Copper	26		1.0	0.51	mg/Kg	1		6010B	Total/NA
Molybdenum	0.46	J	0.50	0.45	mg/Kg	1		6010B	Total/NA
Nickel	15		0.50	0.43	mg/Kg	1		6010B	Total/NA
Selenium	2.4	J	5.0	1.9	mg/Kg	1		6010B	Total/NA
Vanadium	25		1.0	0.17	mg/Kg	1		6010B	Total/NA
Zinc	84		10	5.1	mg/Kg	1		6010B	Total/NA
Lead	60		5.0	0.97	mg/Kg	1		6010B	Total/NA
Mercury	0.14		0.079	0.013	mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC3/AOC8-S1A-2 — Lab Sample ID: 320-80878-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor	0.17	J	1.7	0.15	ug/Kg	1		8081A	Total/NA

Client Sample ID: AOC3-S1B-0.5 — Lab Sample ID: 320-80878-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	18	J	32	4.0	ug/Kg	20		8081A	Total/NA
Lead	120	F2 B	1.0	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	5.6		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S1B-2 — Lab Sample ID: 320-80878-28

No Detections.

Client Sample ID: AOC3-S1C-0.5 — Lab Sample ID: 320-80878-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	180	B	0.99	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	4.0		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S1C-2 — Lab Sample ID: 320-80878-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	1.7	J	8.0	1.2	ug/Kg	5		8081A	Total/NA

Client Sample ID: AOC3-S2B-0.5 — Lab Sample ID: 320-80878-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	160	B	0.96	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	2.7		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S2B-2 — Lab Sample ID: 320-80878-32

No Detections.

Client Sample ID: AOC3-S2C-0.5 — Lab Sample ID: 320-80878-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	640	B	0.95	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	5.2		1.9	1.2	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S2C-2 — Lab Sample ID: 320-80878-34

No Detections.

Client Sample ID: EB10262021 — Lab Sample ID: 320-80878-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.0017	J	0.010	0.0012	mg/L	1		6010B	Total/NA
Vanadium	0.0021	J	0.010	0.0017	mg/L	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: AOC1-S3-0.5

Date Collected: 10/26/21 08:43
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-1

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**1.3**	**J p**	3.4	0.45	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
4,4'-DDE	**3.6**	**p**	3.4	0.41	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
4,4'-DDT	**0.51**	**J p**	3.4	0.49	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
Aldrin	ND		3.4	0.28	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
alpha-BHC	ND		3.4	0.32	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
cis-Chlordane	**5.5**	**P**	3.4	0.36	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
beta-BHC	ND		3.4	0.43	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
Chlordane (technical)	ND		39	19	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
delta-BHC	ND		3.4	0.69	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
Dieldrin	**2.3**	**J**	3.4	0.39	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
Endosulfan I	ND		3.4	0.36	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
Endosulfan II	ND		3.4	0.36	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
Endosulfan sulfate	ND		3.4	0.69	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
Endrin	ND		3.4	0.39	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
Endrin aldehyde	ND		3.4	1.1	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
Endrin ketone	ND		3.4	0.53	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
trans-Chlordane	**1.5**	**J**	3.4	1.2	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
gamma-BHC (Lindane)	ND		3.4	0.28	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
Heptachlor	ND		3.4	0.30	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
Heptachlor epoxide	ND		3.4	0.36	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
Methoxychlor	ND		6.7	1.1	ug/Kg		11/02/21 04:39	11/09/21 15:36	2
Toxaphene	ND		130	44	ug/Kg		11/02/21 04:39	11/09/21 15:36	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*21*	*S1-*	*46 - 109*	*11/02/21 04:39*	*11/09/21 15:36*	*2*
DCB Decachlorobiphenyl	*32*	*S1-*	*46 - 109*	*11/02/21 04:39*	*11/09/21 15:36*	*2*
Tetrachloro-m-xylene	*63*		*47 - 107*	*11/02/21 04:39*	*11/09/21 15:36*	*2*
Tetrachloro-m-xylene	*62*		*47 - 107*	*11/02/21 04:39*	*11/09/21 15:36*	*2*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/02/21 04:41	11/17/21 15:01	1
PCB-1221	ND		33	3.6	ug/Kg		11/02/21 04:41	11/17/21 15:01	1
PCB-1232	ND		33	4.7	ug/Kg		11/02/21 04:41	11/17/21 15:01	1
PCB-1242	ND		33	5.8	ug/Kg		11/02/21 04:41	11/17/21 15:01	1
PCB-1248	ND		33	2.4	ug/Kg		11/02/21 04:41	11/17/21 15:01	1
PCB-1254	ND		33	3.8	ug/Kg		11/02/21 04:41	11/17/21 15:01	1
PCB-1260	**6.0**	**J**	33	2.7	ug/Kg		11/02/21 04:41	11/17/21 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*25*	*S1-*	*52 - 138*	*11/02/21 04:41*	*11/17/21 15:01*	*1*
Tetrachloro-m-xylene	*66*		*56 - 114*	*11/02/21 04:41*	*11/17/21 15:01*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**250**		0.50	0.13	mg/Kg		10/29/21 13:31	11/02/21 09:37	1
Arsenic	**3.3**		1.0	0.65	mg/Kg		10/29/21 13:31	11/02/21 09:37	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC1-S3-2

Date Collected: 10/26/21 08:45
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-2

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
4,4'-DDE	**0.29**	**J**	1.7	0.21	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
4,4'-DDT	**1.0**	**J**	1.7	0.25	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
Aldrin	ND		1.7	0.14	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
cis-Chlordane	**0.70**	**J P**	1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
Chlordane (technical)	ND		20	9.4	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
Dieldrin	**0.24**	**J**	1.7	0.20	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
Endrin	ND		1.7	0.20	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/02/21 04:39	11/09/21 15:55	1
Toxaphene	ND		67	22	ug/Kg		11/02/21 04:39	11/09/21 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*46 - 109*	*11/02/21 04:39*	*11/09/21 15:55*	*1*
DCB Decachlorobiphenyl	*57*		*46 - 109*	*11/02/21 04:39*	*11/09/21 15:55*	*1*
Tetrachloro-m-xylene	*62*		*47 - 107*	*11/02/21 04:39*	*11/09/21 15:55*	*1*
Tetrachloro-m-xylene	*65*		*47 - 107*	*11/02/21 04:39*	*11/09/21 15:55*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC1/AOC8-S4-0.5

Date Collected: 10/26/21 08:52
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-3

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.2	1.1	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
4,4'-DDE	**15**		8.2	1.0	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
4,4'-DDT	**31**		8.2	1.2	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
Aldrin	ND		8.2	0.67	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
alpha-BHC	ND		8.2	0.77	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
cis-Chlordane	**62**	**P**	8.2	0.86	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
beta-BHC	ND		8.2	1.1	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
Chlordane (technical)	ND		96	45	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
delta-BHC	ND		8.2	1.7	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
Dieldrin	**45**		8.2	0.96	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
Endosulfan I	ND		8.2	0.86	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
Endosulfan II	ND		8.2	0.86	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
Endosulfan sulfate	ND		8.2	1.7	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
Endrin	ND		8.2	0.96	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
Endrin aldehyde	ND		8.2	2.7	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
Endrin ketone	ND		8.2	1.3	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
trans-Chlordane	**23**		8.2	2.9	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
gamma-BHC (Lindane)	ND		8.2	0.67	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
Heptachlor	ND		8.2	0.72	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
Heptachlor epoxide	**5.6**	**J**	8.2	0.86	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
Methoxychlor	ND		16	2.7	ug/Kg		11/02/21 04:39	11/09/21 16:14	5
Toxaphene	ND		320	110	ug/Kg		11/02/21 04:39	11/09/21 16:14	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*46 - 109*	*11/02/21 04:39*	*11/09/21 16:14*	*5*
DCB Decachlorobiphenyl	*124*	*S1+*	*46 - 109*	*11/02/21 04:39*	*11/09/21 16:14*	*5*
Tetrachloro-m-xylene	*81*		*47 - 107*	*11/02/21 04:39*	*11/09/21 16:14*	*5*
Tetrachloro-m-xylene	*79*		*47 - 107*	*11/02/21 04:39*	*11/09/21 16:14*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.4	ug/Kg		11/02/21 04:41	11/17/21 15:21	1
PCB-1221	ND		32	3.5	ug/Kg		11/02/21 04:41	11/17/21 15:21	1
PCB-1232	ND		32	4.6	ug/Kg		11/02/21 04:41	11/17/21 15:21	1
PCB-1242	ND		32	5.7	ug/Kg		11/02/21 04:41	11/17/21 15:21	1
PCB-1248	ND		32	2.3	ug/Kg		11/02/21 04:41	11/17/21 15:21	1
PCB-1254	ND		32	3.7	ug/Kg		11/02/21 04:41	11/17/21 15:21	1
PCB-1260	**43**		32	2.6	ug/Kg		11/02/21 04:41	11/17/21 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*52 - 138*	*11/02/21 04:41*	*11/17/21 15:21*	*1*
Tetrachloro-m-xylene	*81*		*56 - 114*	*11/02/21 04:41*	*11/17/21 15:21*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**730**		0.97	0.25	mg/Kg		10/29/21 13:31	11/02/21 09:56	1
Arsenic	**7.4**		1.9	1.3	mg/Kg		10/29/21 13:31	11/02/21 09:56	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC1/AOC8-S4-0.5DUP

Date Collected: 10/26/21 08:52
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-4

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.0	1.1	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
4,4'-DDE	**13**		8.0	0.98	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
4,4'-DDT	**27**		8.0	1.2	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
Aldrin	ND		8.0	0.66	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
alpha-BHC	ND		8.0	0.75	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
cis-Chlordane	**70**	**P**	8.0	0.84	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
beta-BHC	ND		8.0	1.0	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
Chlordane (technical)	ND		94	44	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
delta-BHC	ND		8.0	1.6	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
Dieldrin	**18**		8.0	0.94	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
Endosulfan I	ND		8.0	0.84	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
Endosulfan II	ND		8.0	0.84	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
Endosulfan sulfate	ND		8.0	1.6	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
Endrin	ND		8.0	0.94	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
Endrin aldehyde	ND		8.0	2.7	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
Endrin ketone	ND		8.0	1.3	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
trans-Chlordane	**25**		8.0	2.8	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
gamma-BHC (Lindane)	ND		8.0	0.66	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
Heptachlor	ND		8.0	0.70	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
Heptachlor epoxide	**4.8**	**J**	8.0	0.84	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
Methoxychlor	ND		16	2.6	ug/Kg		11/02/21 04:39	11/09/21 16:33	5
Toxaphene	ND		310	110	ug/Kg		11/02/21 04:39	11/09/21 16:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*46 - 109*	*11/02/21 04:39*	*11/09/21 16:33*	*5*
DCB Decachlorobiphenyl	*106*		*46 - 109*	*11/02/21 04:39*	*11/09/21 16:33*	*5*
Tetrachloro-m-xylene	*85*		*47 - 107*	*11/02/21 04:39*	*11/09/21 16:33*	*5*
Tetrachloro-m-xylene	*81*		*47 - 107*	*11/02/21 04:39*	*11/09/21 16:33*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		31	2.4	ug/Kg		11/02/21 04:41	11/17/21 15:42	1
PCB-1221	ND		31	3.4	ug/Kg		11/02/21 04:41	11/17/21 15:42	1
PCB-1232	ND		31	4.5	ug/Kg		11/02/21 04:41	11/17/21 15:42	1
PCB-1242	ND		31	5.5	ug/Kg		11/02/21 04:41	11/17/21 15:42	1
PCB-1248	ND		31	2.3	ug/Kg		11/02/21 04:41	11/17/21 15:42	1
PCB-1254	ND		31	3.6	ug/Kg		11/02/21 04:41	11/17/21 15:42	1
PCB-1260	**37**		31	2.5	ug/Kg		11/02/21 04:41	11/17/21 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*52 - 138*	*11/02/21 04:41*	*11/17/21 15:42*	*1*
Tetrachloro-m-xylene	*78*		*56 - 114*	*11/02/21 04:41*	*11/17/21 15:42*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**620**		0.99	0.26	mg/Kg		10/29/21 13:31	11/02/21 10:00	1
Arsenic	**9.2**		2.0	1.3	mg/Kg		10/29/21 13:31	11/02/21 10:00	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC1/AOC8-S4-2
Date Collected: 10/26/21 08:54
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-5
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
Aldrin	ND		1.7	0.14	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
cis-Chlordane	**0.51**	**J P**	1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
Chlordane (technical)	ND		20	9.2	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
delta-BHC	ND		1.7	0.34	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
Dieldrin	**0.28**	**J**	1.7	0.20	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
Endosulfan sulfate	ND		1.7	0.34	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
Endrin	ND		1.7	0.20	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
trans-Chlordane	ND		1.7	0.59	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
Methoxychlor	ND		3.3	0.55	ug/Kg		11/02/21 04:39	11/09/21 16:52	1
Toxaphene	ND		66	22	ug/Kg		11/02/21 04:39	11/09/21 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*29*	*S1-*	*46 - 109*	*11/02/21 04:39*	*11/09/21 16:52*	*1*
DCB Decachlorobiphenyl	*36*	*S1-*	*46 - 109*	*11/02/21 04:39*	*11/09/21 16:52*	*1*
Tetrachloro-m-xylene	*45*	*S1-*	*47 - 107*	*11/02/21 04:39*	*11/09/21 16:52*	*1*
Tetrachloro-m-xylene	*47*		*47 - 107*	*11/02/21 04:39*	*11/09/21 16:52*	*1*

Client Sample ID: AOC1/AOC2-S5-0.5

Date Collected: 10/26/21 10:50
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-6

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
Aldrin	ND		16	1.3	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
alpha-BHC	ND		16	1.5	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
beta-BHC	ND		16	2.1	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
Chlordane (technical)	ND		190	90	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
delta-BHC	ND		16	3.4	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
Dieldrin	ND		16	1.9	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
Endosulfan I	ND		16	1.7	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
Endosulfan II	ND		16	1.7	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
Endosulfan sulfate	ND		16	3.4	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
Endrin	ND		16	1.9	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
Endrin aldehyde	ND		16	5.5	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
Endrin ketone	ND		16	2.6	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
trans-Chlordane	ND		16	5.8	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
gamma-BHC (Lindane)	ND		16	1.3	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
Heptachlor	ND		16	1.4	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
Methoxychlor	ND		33	5.4	ug/Kg		11/02/21 04:39	11/09/21 17:11	10
Toxaphene	ND		640	220	ug/Kg		11/02/21 04:39	11/09/21 17:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*46 - 109*	*11/02/21 04:39*	*11/09/21 17:11*	*10*
DCB Decachlorobiphenyl	*74*		*46 - 109*	*11/02/21 04:39*	*11/09/21 17:11*	*10*
Tetrachloro-m-xylene	*104*		*47 - 107*	*11/02/21 04:39*	*11/09/21 17:11*	*10*
Tetrachloro-m-xylene	*93*		*47 - 107*	*11/02/21 04:39*	*11/09/21 17:11*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/02/21 04:41	11/17/21 16:02	1
PCB-1221	ND		32	3.5	ug/Kg		11/02/21 04:41	11/17/21 16:02	1
PCB-1232	ND		32	4.6	ug/Kg		11/02/21 04:41	11/17/21 16:02	1
PCB-1242	ND		32	5.7	ug/Kg		11/02/21 04:41	11/17/21 16:02	1
PCB-1248	ND		32	2.3	ug/Kg		11/02/21 04:41	11/17/21 16:02	1
PCB-1254	ND		32	3.7	ug/Kg		11/02/21 04:41	11/17/21 16:02	1
PCB-1260	ND		32	2.6	ug/Kg		11/02/21 04:41	11/17/21 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*63*		*52 - 138*	*11/02/21 04:41*	*11/17/21 16:02*	*1*
Tetrachloro-m-xylene	*71*		*56 - 114*	*11/02/21 04:41*	*11/17/21 16:02*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**9.1**		1.0	0.26	mg/Kg		10/29/21 13:31	11/02/21 10:04	1
Arsenic	**3.4**		2.0	1.3	mg/Kg		10/29/21 13:31	11/02/21 10:04	1

Client Sample ID: AOC1/AOC2-S5-2

Date Collected: 10/26/21 11:00
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-7

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
Aldrin	ND		1.6	0.13	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
Chlordane (technical)	ND		19	9.0	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
delta-BHC	ND		1.6	0.34	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
Endosulfan sulfate	ND		1.6	0.34	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
Endrin	ND		1.6	0.19	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
Endrin aldehyde	ND		1.6	0.55	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
trans-Chlordane	ND		1.6	0.58	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
Methoxychlor	ND		3.3	0.54	ug/Kg		11/02/21 04:39	11/09/21 17:29	1
Toxaphene	ND		64	22	ug/Kg		11/02/21 04:39	11/09/21 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*67*		*46 - 109*	*11/02/21 04:39*	*11/09/21 17:29*	*1*
DCB Decachlorobiphenyl	*54*		*46 - 109*	*11/02/21 04:39*	*11/09/21 17:29*	*1*
Tetrachloro-m-xylene	*69*		*47 - 107*	*11/02/21 04:39*	*11/09/21 17:29*	*1*
Tetrachloro-m-xylene	*75*		*47 - 107*	*11/02/21 04:39*	*11/09/21 17:29*	*1*

Client Sample ID: AOC1-S6-0.5

Date Collected: 10/26/21 11:32
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-8

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		17	2.3	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
4,4'-DDE	ND		17	2.1	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
4,4'-DDT	**4.0**	**J**	17	2.5	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
Aldrin	ND		17	1.4	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
alpha-BHC	ND		17	1.6	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
cis-Chlordane	ND		17	1.8	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
beta-BHC	ND		17	2.2	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
Chlordane (technical)	ND		200	94	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
delta-BHC	ND		17	3.5	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
Dieldrin	ND		17	2.0	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
Endosulfan I	ND		17	1.8	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
Endosulfan II	ND		17	1.8	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
Endosulfan sulfate	ND		17	3.5	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
Endrin	ND		17	2.0	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
Endrin aldehyde	ND		17	5.7	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
Endrin ketone	ND		17	2.7	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
trans-Chlordane	ND		17	6.0	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
gamma-BHC (Lindane)	ND		17	1.4	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
Heptachlor	ND		17	1.5	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
Heptachlor epoxide	ND		17	1.8	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
Methoxychlor	ND		34	5.6	ug/Kg		11/02/21 04:39	11/09/21 17:48	10
Toxaphene	ND		670	220	ug/Kg		11/02/21 04:39	11/09/21 17:48	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*103*		*46 - 109*	*11/02/21 04:39*	*11/09/21 17:48*	*10*
DCB Decachlorobiphenyl	*98*		*46 - 109*	*11/02/21 04:39*	*11/09/21 17:48*	*10*
Tetrachloro-m-xylene	*94*		*47 - 107*	*11/02/21 04:39*	*11/09/21 17:48*	*10*
Tetrachloro-m-xylene	*94*		*47 - 107*	*11/02/21 04:39*	*11/09/21 17:48*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/02/21 04:41	11/17/21 16:23	1
PCB-1221	ND		33	3.6	ug/Kg		11/02/21 04:41	11/17/21 16:23	1
PCB-1232	ND		33	4.8	ug/Kg		11/02/21 04:41	11/17/21 16:23	1
PCB-1242	ND		33	5.9	ug/Kg		11/02/21 04:41	11/17/21 16:23	1
PCB-1248	ND		33	2.4	ug/Kg		11/02/21 04:41	11/17/21 16:23	1
PCB-1254	ND		33	3.8	ug/Kg		11/02/21 04:41	11/17/21 16:23	1
PCB-1260	ND		33	2.7	ug/Kg		11/02/21 04:41	11/17/21 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*52 - 138*	*11/02/21 04:41*	*11/17/21 16:23*	*1*
Tetrachloro-m-xylene	*64*		*56 - 114*	*11/02/21 04:41*	*11/17/21 16:23*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**140**		0.98	0.25	mg/Kg		10/29/21 13:31	11/02/21 14:42	1
Arsenic	**3.8**		2.0	1.3	mg/Kg		10/29/21 13:31	11/01/21 12:32	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC1-S6-2
Date Collected: 10/26/21 11:35
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-9
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
Aldrin	ND		1.7	0.14	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
Chlordane (technical)	ND		20	9.4	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
Endrin	ND		1.7	0.20	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/02/21 04:39	11/09/21 18:07	1
Toxaphene	ND		67	22	ug/Kg		11/02/21 04:39	11/09/21 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*46 - 109*	*11/02/21 04:39*	*11/09/21 18:07*	*1*
DCB Decachlorobiphenyl	*46*		*46 - 109*	*11/02/21 04:39*	*11/09/21 18:07*	*1*
Tetrachloro-m-xylene	*52*		*47 - 107*	*11/02/21 04:39*	*11/09/21 18:07*	*1*
Tetrachloro-m-xylene	*67*		*47 - 107*	*11/02/21 04:39*	*11/09/21 18:07*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC1/AOC7-S8-0.5

Date Collected: 10/26/21 11:53
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-10

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		17	2.3	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
4,4'-DDE	ND		17	2.1	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
4,4'-DDT	ND		17	2.5	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
Aldrin	ND		17	1.4	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
alpha-BHC	ND		17	1.6	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
cis-Chlordane	ND		17	1.8	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
beta-BHC	ND		17	2.2	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
Chlordane (technical)	ND		200	92	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
delta-BHC	ND		17	3.4	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
Dieldrin	ND		17	2.0	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
Endosulfan I	ND		17	1.8	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
Endosulfan II	ND		17	1.8	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
Endosulfan sulfate	ND		17	3.4	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
Endrin	ND		17	2.0	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
Endrin aldehyde	ND		17	5.6	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
Endrin ketone	ND		17	2.7	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
trans-Chlordane	ND		17	5.9	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
gamma-BHC (Lindane)	ND		17	1.4	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
Heptachlor	ND		17	1.5	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
Heptachlor epoxide	ND		17	1.8	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
Methoxychlor	ND		33	5.5	ug/Kg		11/02/21 04:39	11/09/21 18:26	10
Toxaphene	ND		660	220	ug/Kg		11/02/21 04:39	11/09/21 18:26	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*46 - 109*	*11/02/21 04:39*	*11/09/21 18:26*	*10*
DCB Decachlorobiphenyl	*55*		*46 - 109*	*11/02/21 04:39*	*11/09/21 18:26*	*10*
Tetrachloro-m-xylene	*66*		*47 - 107*	*11/02/21 04:39*	*11/09/21 18:26*	*10*
Tetrachloro-m-xylene	*63*		*47 - 107*	*11/02/21 04:39*	*11/09/21 18:26*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/02/21 04:41	11/17/21 16:43	1
PCB-1221	ND		32	3.6	ug/Kg		11/02/21 04:41	11/17/21 16:43	1
PCB-1232	ND		32	4.7	ug/Kg		11/02/21 04:41	11/17/21 16:43	1
PCB-1242	ND		32	5.8	ug/Kg		11/02/21 04:41	11/17/21 16:43	1
PCB-1248	ND		32	2.4	ug/Kg		11/02/21 04:41	11/17/21 16:43	1
PCB-1254	ND		32	3.7	ug/Kg		11/02/21 04:41	11/17/21 16:43	1
PCB-1260	ND		32	2.7	ug/Kg		11/02/21 04:41	11/17/21 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*52 - 138*	*11/02/21 04:41*	*11/17/21 16:43*	*1*
Tetrachloro-m-xylene	*46*	*S1-*	*56 - 114*	*11/02/21 04:41*	*11/17/21 16:43*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**56**		0.99	0.26	mg/Kg		10/29/21 13:31	11/02/21 15:00	1
Arsenic	**1.9**	**J**	2.0	1.3	mg/Kg		10/29/21 13:31	11/01/21 12:59	1

Client Sample ID: AOC1/AOC7-S8-2

Date Collected: 10/26/21 11:58
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-11

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.2	0.44	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
4,4'-DDE	ND		3.2	0.40	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
4,4'-DDT	ND		3.2	0.48	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
Aldrin	ND		3.2	0.27	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
alpha-BHC	ND		3.2	0.31	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
cis-Chlordane	ND		3.2	0.34	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
beta-BHC	ND		3.2	0.42	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
Chlordane (technical)	ND		38	18	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
delta-BHC	ND		3.2	0.67	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
Dieldrin	ND		3.2	0.38	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
Endosulfan I	ND		3.2	0.34	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
Endosulfan II	ND		3.2	0.34	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
Endosulfan sulfate	ND		3.2	0.67	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
Endrin	ND		3.2	0.38	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
Endrin aldehyde	ND		3.2	1.1	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
Endrin ketone	ND		3.2	0.52	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
trans-Chlordane	ND		3.2	1.1	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
gamma-BHC (Lindane)	ND		3.2	0.27	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
Heptachlor	ND		3.2	0.29	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
Heptachlor epoxide	ND		3.2	0.34	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
Methoxychlor	ND		6.5	1.1	ug/Kg		11/02/21 04:39	11/09/21 18:45	2
Toxaphene	ND		130	43	ug/Kg		11/02/21 04:39	11/09/21 18:45	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*52*		*46 - 109*	*11/02/21 04:39*	*11/09/21 18:45*	*2*
DCB Decachlorobiphenyl	*54*		*46 - 109*	*11/02/21 04:39*	*11/09/21 18:45*	*2*
Tetrachloro-m-xylene	*65*		*47 - 107*	*11/02/21 04:39*	*11/09/21 18:45*	*2*
Tetrachloro-m-xylene	*67*		*47 - 107*	*11/02/21 04:39*	*11/09/21 18:45*	*2*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC1/AOC7-S8-2DUP

Date Collected: 10/26/21 11:58
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-12

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.4	0.45	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
4,4'-DDE	ND		3.4	0.41	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
4,4'-DDT	ND		3.4	0.49	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
Aldrin	ND		3.4	0.28	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
alpha-BHC	ND		3.4	0.32	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
cis-Chlordane	ND		3.4	0.35	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
beta-BHC	ND		3.4	0.43	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
Chlordane (technical)	ND		39	19	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
delta-BHC	ND		3.4	0.69	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
Dieldrin	ND		3.4	0.39	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
Endosulfan I	ND		3.4	0.35	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
Endosulfan II	ND		3.4	0.35	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
Endosulfan sulfate	ND		3.4	0.69	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
Endrin	ND		3.4	0.39	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
Endrin aldehyde	ND		3.4	1.1	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
Endrin ketone	ND		3.4	0.53	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
trans-Chlordane	ND		3.4	1.2	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
gamma-BHC (Lindane)	ND		3.4	0.28	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
Heptachlor	ND		3.4	0.30	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
Heptachlor epoxide	ND		3.4	0.35	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
Methoxychlor	ND		6.7	1.1	ug/Kg		11/02/21 04:39	11/09/21 19:04	2
Toxaphene	ND		130	44	ug/Kg		11/02/21 04:39	11/09/21 19:04	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*43*	*S1-*	*46 - 109*	*11/02/21 04:39*	*11/09/21 19:04*	*2*
DCB Decachlorobiphenyl	*49*		*46 - 109*	*11/02/21 04:39*	*11/09/21 19:04*	*2*
Tetrachloro-m-xylene	*52*		*47 - 107*	*11/02/21 04:39*	*11/09/21 19:04*	*2*
Tetrachloro-m-xylene	*54*		*47 - 107*	*11/02/21 04:39*	*11/09/21 19:04*	*2*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC1/AOC8-S10-0.5

Date Collected: 10/26/21 12:57
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-13

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**2.6**	**J**	17	2.3	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
4,4'-DDE	**3.9**	**J P**	17	2.1	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
4,4'-DDT	**2.7**	**J**	17	2.5	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
Aldrin	ND		17	1.4	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
alpha-BHC	ND		17	1.6	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
cis-Chlordane	ND		17	1.8	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
beta-BHC	ND		17	2.2	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
Chlordane (technical)	ND		200	93	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
delta-BHC	ND		17	3.5	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
Dieldrin	ND		17	2.0	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
Endosulfan I	ND		17	1.8	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
Endosulfan II	ND		17	1.8	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
Endosulfan sulfate	ND		17	3.5	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
Endrin	ND		17	2.0	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
Endrin aldehyde	ND		17	5.6	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
Endrin ketone	ND		17	2.7	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
trans-Chlordane	ND		17	5.9	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
gamma-BHC (Lindane)	ND		17	1.4	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
Heptachlor	ND		17	1.5	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
Heptachlor epoxide	ND		17	1.8	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
Methoxychlor	ND		34	5.5	ug/Kg		11/02/21 04:39	11/09/21 19:23	10
Toxaphene	ND		660	220	ug/Kg		11/02/21 04:39	11/09/21 19:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*46 - 109*	*11/02/21 04:39*	*11/09/21 19:23*	*10*
DCB Decachlorobiphenyl	*50*		*46 - 109*	*11/02/21 04:39*	*11/09/21 19:23*	*10*
Tetrachloro-m-xylene	*68*		*47 - 107*	*11/02/21 04:39*	*11/09/21 19:23*	*10*
Tetrachloro-m-xylene	*70*		*47 - 107*	*11/02/21 04:39*	*11/09/21 19:23*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/02/21 04:41	11/17/21 17:04	1
PCB-1221	ND		33	3.6	ug/Kg		11/02/21 04:41	11/17/21 17:04	1
PCB-1232	ND		33	4.7	ug/Kg		11/02/21 04:41	11/17/21 17:04	1
PCB-1242	ND		33	5.8	ug/Kg		11/02/21 04:41	11/17/21 17:04	1
PCB-1248	ND		33	2.4	ug/Kg		11/02/21 04:41	11/17/21 17:04	1
PCB-1254	**4.3**	**J**	33	3.8	ug/Kg		11/02/21 04:41	11/17/21 17:04	1
PCB-1260	ND		33	2.7	ug/Kg		11/02/21 04:41	11/17/21 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*52 - 138*	*11/02/21 04:41*	*11/17/21 17:04*	*1*
Tetrachloro-m-xylene	*52*	*S1-*	*56 - 114*	*11/02/21 04:41*	*11/17/21 17:04*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**70**		0.97	0.25	mg/Kg		10/29/21 13:31	11/02/21 15:12	1
Arsenic	**2.7**		1.9	1.3	mg/Kg		10/29/21 13:31	11/01/21 13:02	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC1/AOC8-S10-2
Date Collected: 10/26/21 13:01
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-14
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
Aldrin	ND		1.7	0.14	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
Chlordane (technical)	ND		20	9.3	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
Endrin	ND		1.7	0.20	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/02/21 04:39	11/09/21 19:41	1
Toxaphene	ND		67	22	ug/Kg		11/02/21 04:39	11/09/21 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*45*	*S1-*	*46 - 109*	*11/02/21 04:39*	*11/09/21 19:41*	*1*
DCB Decachlorobiphenyl	*41*	*S1-*	*46 - 109*	*11/02/21 04:39*	*11/09/21 19:41*	*1*
Tetrachloro-m-xylene	*67*		*47 - 107*	*11/02/21 04:39*	*11/09/21 19:41*	*1*
Tetrachloro-m-xylene	*64*		*47 - 107*	*11/02/21 04:39*	*11/09/21 19:41*	*1*

Client Sample ID: AOC1-S11-0.5

Date Collected: 10/26/21 09:16
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-15

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.2	1.1	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
4,4'-DDE	**3.2**	**J**	8.2	1.0	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
4,4'-DDT	**4.7**	**J**	8.2	1.2	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
Aldrin	ND		8.2	0.68	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
alpha-BHC	ND		8.2	0.77	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
cis-Chlordane	**4.8**	**J P**	8.2	0.87	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
beta-BHC	ND		8.2	1.1	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
Chlordane (technical)	ND		97	45	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
delta-BHC	ND		8.2	1.7	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
Dieldrin	**2.9**	**J**	8.2	0.97	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
Endosulfan I	ND		8.2	0.87	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
Endosulfan II	ND		8.2	0.87	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
Endosulfan sulfate	ND		8.2	1.7	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
Endrin	ND		8.2	0.97	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
Endrin aldehyde	ND		8.2	2.8	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
Endrin ketone	ND		8.2	1.3	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
trans-Chlordane	ND		8.2	2.9	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
gamma-BHC (Lindane)	ND		8.2	0.68	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
Heptachlor	ND		8.2	0.72	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
Heptachlor epoxide	ND		8.2	0.87	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
Methoxychlor	ND		16	2.7	ug/Kg		11/02/21 04:39	11/09/21 20:00	5
Toxaphene	ND		320	110	ug/Kg		11/02/21 04:39	11/09/21 20:00	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*46 - 109*	*11/02/21 04:39*	*11/09/21 20:00*	*5*
DCB Decachlorobiphenyl	*57*		*46 - 109*	*11/02/21 04:39*	*11/09/21 20:00*	*5*
Tetrachloro-m-xylene	*69*		*47 - 107*	*11/02/21 04:39*	*11/09/21 20:00*	*5*
Tetrachloro-m-xylene	*71*		*47 - 107*	*11/02/21 04:39*	*11/09/21 20:00*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/02/21 04:41	11/17/21 17:24	1
PCB-1221	ND		32	3.5	ug/Kg		11/02/21 04:41	11/17/21 17:24	1
PCB-1232	ND		32	4.6	ug/Kg		11/02/21 04:41	11/17/21 17:24	1
PCB-1242	ND		32	5.7	ug/Kg		11/02/21 04:41	11/17/21 17:24	1
PCB-1248	ND		32	2.4	ug/Kg		11/02/21 04:41	11/17/21 17:24	1
PCB-1254	ND		32	3.7	ug/Kg		11/02/21 04:41	11/17/21 17:24	1
PCB-1260	**27**	**J p**	32	2.6	ug/Kg		11/02/21 04:41	11/17/21 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*52 - 138*	*11/02/21 04:41*	*11/17/21 17:24*	*1*
Tetrachloro-m-xylene	*54*	*S1-*	*56 - 114*	*11/02/21 04:41*	*11/17/21 17:24*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**450**		0.98	0.25	mg/Kg		10/29/21 13:31	11/02/21 15:16	1
Arsenic	**4.1**		2.0	1.3	mg/Kg		10/29/21 13:31	11/01/21 13:06	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC1-S11-2
Date Collected: 10/26/21 09:18
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-16
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
4,4'-DDT	ND		1.7	0.24	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
Aldrin	ND		1.7	0.14	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
Chlordane (technical)	ND		20	9.2	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
delta-BHC	ND		1.7	0.34	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
Endosulfan sulfate	ND		1.7	0.34	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
Endrin	ND		1.7	0.20	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
Endrin ketone	ND		1.7	0.26	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
trans-Chlordane	ND		1.7	0.59	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
Methoxychlor	ND		3.3	0.55	ug/Kg		11/02/21 04:39	11/09/21 20:19	1
Toxaphene	ND		66	22	ug/Kg		11/02/21 04:39	11/09/21 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*46 - 109*	*11/02/21 04:39*	*11/09/21 20:19*	*1*
DCB Decachlorobiphenyl	*62*		*46 - 109*	*11/02/21 04:39*	*11/09/21 20:19*	*1*
Tetrachloro-m-xylene	*63*		*47 - 107*	*11/02/21 04:39*	*11/09/21 20:19*	*1*
Tetrachloro-m-xylene	*70*		*47 - 107*	*11/02/21 04:39*	*11/09/21 20:19*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC2-S12-0.5

Date Collected: 10/26/21 09:36
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-17

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
Aldrin	ND		16	1.3	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
alpha-BHC	ND		16	1.5	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
beta-BHC	ND		16	2.1	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
Chlordane (technical)	ND		190	91	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
delta-BHC	ND		16	3.4	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
Dieldrin	ND		16	1.9	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
Endosulfan I	ND		16	1.7	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
Endosulfan II	ND		16	1.7	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
Endosulfan sulfate	ND		16	3.4	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
Endrin	ND		16	1.9	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
Endrin aldehyde	ND		16	5.5	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
Endrin ketone	ND		16	2.6	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
trans-Chlordane	ND		16	5.8	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
gamma-BHC (Lindane)	ND		16	1.3	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
Heptachlor	ND		16	1.4	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
Methoxychlor	ND		33	5.4	ug/Kg		11/02/21 04:39	11/09/21 21:16	10
Toxaphene	ND		650	220	ug/Kg		11/02/21 04:39	11/09/21 21:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*584*	*S1+*	*46 - 109*	*11/02/21 04:39*	*11/09/21 21:16*	*10*
DCB Decachlorobiphenyl	*47*		*46 - 109*	*11/02/21 04:39*	*11/09/21 21:16*	*10*
Tetrachloro-m-xylene	*71*		*47 - 107*	*11/02/21 04:39*	*11/09/21 21:16*	*10*
Tetrachloro-m-xylene	*69*		*47 - 107*	*11/02/21 04:39*	*11/09/21 21:16*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/02/21 04:41	11/17/21 17:45	1
PCB-1221	ND		32	3.5	ug/Kg		11/02/21 04:41	11/17/21 17:45	1
PCB-1232	ND		32	4.6	ug/Kg		11/02/21 04:41	11/17/21 17:45	1
PCB-1242	ND		32	5.7	ug/Kg		11/02/21 04:41	11/17/21 17:45	1
PCB-1248	ND		32	2.4	ug/Kg		11/02/21 04:41	11/17/21 17:45	1
PCB-1254	ND		32	3.7	ug/Kg		11/02/21 04:41	11/17/21 17:45	1
PCB-1260	ND	F1	32	2.6	ug/Kg		11/02/21 04:41	11/17/21 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*52 - 138*	*11/02/21 04:41*	*11/17/21 17:45*	*1*
Tetrachloro-m-xylene	*52*	*S1-*	*56 - 114*	*11/02/21 04:41*	*11/17/21 17:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**54**		0.98	0.25	mg/Kg		10/29/21 13:31	11/02/21 15:19	1
Arsenic	**3.4**		2.0	1.3	mg/Kg		10/29/21 13:31	11/01/21 13:10	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC2-S12-0.5DUP

Date Collected: 10/26/21 09:36
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-18

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.1	1.1	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
4,4'-DDE	ND		8.1	1.0	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
4,4'-DDT	ND		8.1	1.2	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
Aldrin	ND		8.1	0.66	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
alpha-BHC	ND		8.1	0.76	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
cis-Chlordane	ND		8.1	0.85	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
beta-BHC	ND		8.1	1.0	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
Chlordane (technical)	ND		95	45	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
delta-BHC	ND		8.1	1.7	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
Dieldrin	ND		8.1	0.95	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
Endosulfan I	ND		8.1	0.85	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
Endosulfan II	ND		8.1	0.85	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
Endosulfan sulfate	ND		8.1	1.7	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
Endrin	ND		8.1	0.95	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
Endrin aldehyde	ND		8.1	2.7	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
Endrin ketone	ND		8.1	1.3	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
trans-Chlordane	ND		8.1	2.8	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
gamma-BHC (Lindane)	ND		8.1	0.66	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
Heptachlor	ND		8.1	0.71	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
Heptachlor epoxide	ND		8.1	0.85	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
Methoxychlor	ND		16	2.7	ug/Kg		11/02/21 06:18	11/08/21 13:52	5
Toxaphene	ND		320	110	ug/Kg		11/02/21 06:18	11/08/21 13:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*192*	*S1+*	*46 - 109*	*11/02/21 06:18*	*11/08/21 13:52*	*5*
DCB Decachlorobiphenyl	*50*		*46 - 109*	*11/02/21 06:18*	*11/08/21 13:52*	*5*
Tetrachloro-m-xylene	*70*		*47 - 107*	*11/02/21 06:18*	*11/08/21 13:52*	*5*
Tetrachloro-m-xylene	*75*		*47 - 107*	*11/02/21 06:18*	*11/08/21 13:52*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		31	2.4	ug/Kg		11/02/21 06:48	11/16/21 17:58	1
PCB-1221	ND		31	3.4	ug/Kg		11/02/21 06:48	11/16/21 17:58	1
PCB-1232	ND		31	4.5	ug/Kg		11/02/21 06:48	11/16/21 17:58	1
PCB-1242	ND		31	5.6	ug/Kg		11/02/21 06:48	11/16/21 17:58	1
PCB-1248	ND		31	2.3	ug/Kg		11/02/21 06:48	11/16/21 17:58	1
PCB-1254	ND		31	3.6	ug/Kg		11/02/21 06:48	11/16/21 17:58	1
PCB-1260	ND		31	2.6	ug/Kg		11/02/21 06:48	11/16/21 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*52 - 138*	*11/02/21 06:48*	*11/16/21 17:58*	*1*
Tetrachloro-m-xylene	*74*		*56 - 114*	*11/02/21 06:48*	*11/16/21 17:58*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**52**		1.0	0.26	mg/Kg		10/29/21 13:31	11/02/21 15:23	1
Arsenic	**3.1**		2.0	1.3	mg/Kg		10/29/21 13:31	11/01/21 13:14	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC2-S12-2
Date Collected: 10/26/21 09:41
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-19
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
Aldrin	ND		1.7	0.14	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
Chlordane (technical)	ND		20	9.3	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
Endrin	ND		1.7	0.20	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
trans-Chlordane	ND		1.7	0.59	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
Methoxychlor	ND		3.4	0.55	ug/Kg		11/02/21 06:18	11/08/21 14:11	1
Toxaphene	ND		66	22	ug/Kg		11/02/21 06:18	11/08/21 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*46 - 109*	*11/02/21 06:18*	*11/08/21 14:11*	*1*
DCB Decachlorobiphenyl	*47*		*46 - 109*	*11/02/21 06:18*	*11/08/21 14:11*	*1*
Tetrachloro-m-xylene	*68*		*47 - 107*	*11/02/21 06:18*	*11/08/21 14:11*	*1*
Tetrachloro-m-xylene	*67*		*47 - 107*	*11/02/21 06:18*	*11/08/21 14:11*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC2-S12-2DUP

Date Collected: 10/26/21 09:41
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-20

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
Aldrin	ND		1.7	0.14	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
Chlordane (technical)	ND		20	9.2	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
delta-BHC	ND		1.7	0.34	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
Endosulfan sulfate	ND		1.7	0.34	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
Endrin	ND		1.7	0.20	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
Endrin ketone	ND		1.7	0.26	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
trans-Chlordane	ND		1.7	0.59	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
Methoxychlor	ND		3.3	0.55	ug/Kg		11/02/21 06:18	11/08/21 14:30	1
Toxaphene	ND		66	22	ug/Kg		11/02/21 06:18	11/08/21 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*63*		*46 - 109*	*11/02/21 06:18*	*11/08/21 14:30*	*1*
DCB Decachlorobiphenyl	*67*		*46 - 109*	*11/02/21 06:18*	*11/08/21 14:30*	*1*
Tetrachloro-m-xylene	*71*		*47 - 107*	*11/02/21 06:18*	*11/08/21 14:30*	*1*
Tetrachloro-m-xylene	*68*		*47 - 107*	*11/02/21 06:18*	*11/08/21 14:30*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC2/AOC3-S13/S3I-0.5

Date Collected: 10/26/21 10:02
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-21

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.3	0.45	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
4,4'-DDE	ND		3.3	0.41	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
4,4'-DDT	ND		3.3	0.49	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
Aldrin	ND		3.3	0.27	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
alpha-BHC	ND		3.3	0.31	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
cis-Chlordane	ND		3.3	0.35	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
beta-BHC	ND		3.3	0.43	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
Chlordane (technical)	ND		39	18	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
delta-BHC	ND		3.3	0.68	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
Dieldrin	ND		3.3	0.39	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
Endosulfan I	ND		3.3	0.35	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
Endosulfan II	ND		3.3	0.35	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
Endosulfan sulfate	ND		3.3	0.68	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
Endrin	ND		3.3	0.39	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
Endrin aldehyde	ND		3.3	1.1	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
Endrin ketone	ND		3.3	0.53	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
trans-Chlordane	ND		3.3	1.2	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
gamma-BHC (Lindane)	ND		3.3	0.27	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
Heptachlor	ND		3.3	0.29	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
Heptachlor epoxide	ND		3.3	0.35	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
Methoxychlor	ND		6.6	1.1	ug/Kg		11/02/21 06:18	11/08/21 14:49	2
Toxaphene	ND		130	44	ug/Kg		11/02/21 06:18	11/08/21 14:49	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*46 - 109*	*11/02/21 06:18*	*11/08/21 14:49*	*2*
DCB Decachlorobiphenyl	*40*	*S1-*	*46 - 109*	*11/02/21 06:18*	*11/08/21 14:49*	*2*
Tetrachloro-m-xylene	*76*		*47 - 107*	*11/02/21 06:18*	*11/08/21 14:49*	*2*
Tetrachloro-m-xylene	*74*		*47 - 107*	*11/02/21 06:18*	*11/08/21 14:49*	*2*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/02/21 06:48	11/16/21 18:19	1
PCB-1221	ND		32	3.5	ug/Kg		11/02/21 06:48	11/16/21 18:19	1
PCB-1232	ND		32	4.7	ug/Kg		11/02/21 06:48	11/16/21 18:19	1
PCB-1242	ND		32	5.7	ug/Kg		11/02/21 06:48	11/16/21 18:19	1
PCB-1248	ND		32	2.4	ug/Kg		11/02/21 06:48	11/16/21 18:19	1
PCB-1254	ND		32	3.7	ug/Kg		11/02/21 06:48	11/16/21 18:19	1
PCB-1260	ND		32	2.6	ug/Kg		11/02/21 06:48	11/16/21 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*52 - 138*	*11/02/21 06:48*	*11/16/21 18:19*	*1*
Tetrachloro-m-xylene	*81*		*56 - 114*	*11/02/21 06:48*	*11/16/21 18:19*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**14**		1.0	0.26	mg/Kg		10/29/21 13:31	11/02/21 15:27	1
Arsenic	**18**		2.0	1.3	mg/Kg		10/29/21 13:31	11/01/21 13:18	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC2/AOC3-S13/S3I-2
Date Collected: 10/26/21 10:04
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-22
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.22	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
4,4'-DDE	ND		1.7	0.20	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
4,4'-DDT	ND		1.7	0.24	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
Aldrin	ND		1.7	0.14	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
cis-Chlordane	ND		1.7	0.17	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
beta-BHC	ND		1.7	0.21	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
Chlordane (technical)	ND		19	9.1	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
delta-BHC	ND		1.7	0.34	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
Dieldrin	ND		1.7	0.19	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
Endosulfan I	ND		1.7	0.17	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
Endosulfan II	ND		1.7	0.17	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
Endosulfan sulfate	ND		1.7	0.34	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
Endrin	ND		1.7	0.19	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
Endrin aldehyde	ND		1.7	0.55	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
Endrin ketone	ND		1.7	0.26	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
trans-Chlordane	ND		1.7	0.58	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
Heptachlor epoxide	ND		1.7	0.17	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
Methoxychlor	ND		3.3	0.54	ug/Kg		11/02/21 06:18	11/08/21 15:08	1
Toxaphene	ND		65	22	ug/Kg		11/02/21 06:18	11/08/21 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*46 - 109*	*11/02/21 06:18*	*11/08/21 15:08*	*1*
DCB Decachlorobiphenyl	*46*		*46 - 109*	*11/02/21 06:18*	*11/08/21 15:08*	*1*
Tetrachloro-m-xylene	*61*		*47 - 107*	*11/02/21 06:18*	*11/08/21 15:08*	*1*
Tetrachloro-m-xylene	*59*		*47 - 107*	*11/02/21 06:18*	*11/08/21 15:08*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC2-S14-0.5

Date Collected: 10/26/21 10:27
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-23

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.1	1.1	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
4,4'-DDE	ND		8.1	1.0	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
4,4'-DDT	ND		8.1	1.2	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
Aldrin	ND		8.1	0.67	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
alpha-BHC	ND		8.1	0.76	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
cis-Chlordane	ND		8.1	0.86	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
beta-BHC	ND		8.1	1.0	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
Chlordane (technical)	ND		95	45	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
delta-BHC	ND		8.1	1.7	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
Dieldrin	ND		8.1	0.95	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
Endosulfan I	ND		8.1	0.86	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
Endosulfan II	ND		8.1	0.86	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
Endosulfan sulfate	ND		8.1	1.7	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
Endrin	ND		8.1	0.95	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
Endrin aldehyde	ND		8.1	2.7	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
Endrin ketone	ND		8.1	1.3	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
trans-Chlordane	ND		8.1	2.9	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
gamma-BHC (Lindane)	ND		8.1	0.67	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
Heptachlor	ND		8.1	0.71	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
Heptachlor epoxide	ND		8.1	0.86	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
Methoxychlor	ND		16	2.7	ug/Kg		11/02/21 06:18	11/08/21 15:27	5
Toxaphene	ND		320	110	ug/Kg		11/02/21 06:18	11/08/21 15:27	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*46 - 109*	*11/02/21 06:18*	*11/08/21 15:27*	*5*
DCB Decachlorobiphenyl	*48*		*46 - 109*	*11/02/21 06:18*	*11/08/21 15:27*	*5*
Tetrachloro-m-xylene	*81*		*47 - 107*	*11/02/21 06:18*	*11/08/21 15:27*	*5*
Tetrachloro-m-xylene	*80*		*47 - 107*	*11/02/21 06:18*	*11/08/21 15:27*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		31	2.4	ug/Kg		11/02/21 06:48	11/16/21 18:39	1
PCB-1221	ND		31	3.4	ug/Kg		11/02/21 06:48	11/16/21 18:39	1
PCB-1232	ND		31	4.6	ug/Kg		11/02/21 06:48	11/16/21 18:39	1
PCB-1242	ND		31	5.6	ug/Kg		11/02/21 06:48	11/16/21 18:39	1
PCB-1248	ND		31	2.3	ug/Kg		11/02/21 06:48	11/16/21 18:39	1
PCB-1254	ND		31	3.6	ug/Kg		11/02/21 06:48	11/16/21 18:39	1
PCB-1260	ND		31	2.6	ug/Kg		11/02/21 06:48	11/16/21 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*52 - 138*	*11/02/21 06:48*	*11/16/21 18:39*	*1*
Tetrachloro-m-xylene	*70*		*56 - 114*	*11/02/21 06:48*	*11/16/21 18:39*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**69**		0.95	0.25	mg/Kg		10/29/21 13:31	11/02/21 15:31	1
Arsenic	**2.9**		1.9	1.2	mg/Kg		10/29/21 13:31	11/01/21 13:21	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC2-S14-2
Date Collected: 10/26/21 10:29
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-24
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
4,4'-DDT	ND		1.6	0.23	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
Aldrin	ND		1.6	0.13	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
Chlordane (technical)	ND		19	8.8	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
delta-BHC	ND		1.6	0.33	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
Endosulfan sulfate	ND		1.6	0.33	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
Endrin	ND		1.6	0.19	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
Endrin aldehyde	ND		1.6	0.53	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
Endrin ketone	ND		1.6	0.25	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
trans-Chlordane	ND		1.6	0.56	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
Methoxychlor	ND		3.2	0.53	ug/Kg		11/02/21 06:18	11/08/21 15:46	1
Toxaphene	ND		63	21	ug/Kg		11/02/21 06:18	11/08/21 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*40*	*S1-*	*46 - 109*	*11/02/21 06:18*	*11/08/21 15:46*	*1*
DCB Decachlorobiphenyl	*45*	*S1-*	*46 - 109*	*11/02/21 06:18*	*11/08/21 15:46*	*1*
Tetrachloro-m-xylene	*57*		*47 - 107*	*11/02/21 06:18*	*11/08/21 15:46*	*1*
Tetrachloro-m-xylene	*58*		*47 - 107*	*11/02/21 06:18*	*11/08/21 15:46*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC3/AOC8-S1A-0.5

Date Collected: 10/26/21 14:11
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-25

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	4.4	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
4,4'-DDE	ND	F1	33	4.1	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
4,4'-DDT	ND	F1	33	4.8	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
Aldrin	ND		33	2.7	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
alpha-BHC	ND		33	3.1	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
cis-Chlordane	ND	F1	33	3.5	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
beta-BHC	ND		33	4.3	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
Chlordane (technical)	ND		390	180	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
delta-BHC	ND		33	6.8	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
Dieldrin	ND	F1	33	3.9	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
Endosulfan I	ND	F1	33	3.5	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
Endosulfan II	ND	F1	33	3.5	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
Endosulfan sulfate	ND	F1	33	6.8	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
Endrin	ND	F1	33	3.9	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
Endrin aldehyde	ND	F1	33	11	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
Endrin ketone	ND	F1	33	5.2	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
trans-Chlordane	ND	F1	33	12	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
gamma-BHC (Lindane)	ND		33	2.7	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
Heptachlor	ND		33	2.9	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
Heptachlor epoxide	ND	F1	33	3.5	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
Methoxychlor	ND	F1	66	11	ug/Kg		10/28/21 10:38	10/29/21 23:14	20
Toxaphene	ND		1300	430	ug/Kg		10/28/21 10:38	10/29/21 23:14	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*209*	*S1+*	*46 - 109*	*10/28/21 10:38*	*10/29/21 23:14*	*20*
DCB Decachlorobiphenyl	*31*	*S1- p*	*46 - 109*	*10/28/21 10:38*	*10/29/21 23:14*	*20*
Tetrachloro-m-xylene	*81*		*47 - 107*	*10/28/21 10:38*	*10/29/21 23:14*	*20*
Tetrachloro-m-xylene	*72*		*47 - 107*	*10/28/21 10:38*	*10/29/21 23:14*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		31	2.4	ug/Kg		11/02/21 06:48	11/16/21 19:00	1
PCB-1221	ND		31	3.4	ug/Kg		11/02/21 06:48	11/16/21 19:00	1
PCB-1232	ND		31	4.5	ug/Kg		11/02/21 06:48	11/16/21 19:00	1
PCB-1242	ND		31	5.6	ug/Kg		11/02/21 06:48	11/16/21 19:00	1
PCB-1248	ND		31	2.3	ug/Kg		11/02/21 06:48	11/16/21 19:00	1
PCB-1254	ND		31	3.6	ug/Kg		11/02/21 06:48	11/16/21 19:00	1
PCB-1260	ND		31	2.5	ug/Kg		11/02/21 06:48	11/16/21 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*52 - 138*	*11/02/21 06:48*	*11/16/21 19:00*	*1*
Tetrachloro-m-xylene	*69*		*56 - 114*	*11/02/21 06:48*	*11/16/21 19:00*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.23	mg/Kg		11/08/21 15:30	11/09/21 12:48	1
Arsenic	**12**		2.5	2.3	mg/Kg		11/08/21 15:30	11/09/21 12:48	1
Barium	**78**		0.50	0.22	mg/Kg		11/08/21 15:30	11/09/21 12:48	1
Beryllium	ND		0.25	0.17	mg/Kg		11/08/21 15:30	11/09/21 12:48	1
Cadmium	**0.45**	**J**	0.50	0.20	mg/Kg		11/08/21 15:30	11/09/21 12:48	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC3/AOC8-S1A-0.5

Date Collected: 10/26/21 14:11
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-25

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	7.6		1.0	0.23	mg/Kg		11/08/21 15:30	11/09/21 12:48	1
Chromium	16		1.0	0.18	mg/Kg		11/08/21 15:30	11/09/21 12:48	1
Copper	26		1.0	0.51	mg/Kg		11/08/21 15:30	11/09/21 12:48	1
Molybdenum	0.46	J	0.50	0.45	mg/Kg		11/08/21 15:30	11/09/21 12:48	1
Nickel	15		0.50	0.43	mg/Kg		11/08/21 15:30	11/09/21 12:48	1
Antimony	ND		3.0	1.4	mg/Kg		11/08/21 15:30	11/09/21 12:48	1
Selenium	2.4	J	5.0	1.9	mg/Kg		11/08/21 15:30	11/09/21 12:48	1
Thallium	ND		5.0	1.5	mg/Kg		11/08/21 15:30	11/09/21 12:48	1
Vanadium	25		1.0	0.17	mg/Kg		11/08/21 15:30	11/09/21 12:48	1
Zinc	84		10	5.1	mg/Kg		11/08/21 15:30	11/09/21 12:48	1
Lead	60		5.0	0.97	mg/Kg		11/08/21 15:30	11/09/21 12:48	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.14		0.079	0.013	mg/Kg		11/08/21 11:07	11/08/21 18:20	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC3/AOC8-S1A-2
Date Collected: 10/26/21 14:18
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-26
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
Aldrin	ND		1.7	0.14	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
Chlordane (technical)	ND		20	9.3	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
delta-BHC	ND		1.7	0.34	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
Endosulfan sulfate	ND		1.7	0.34	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
Endrin	ND		1.7	0.20	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
trans-Chlordane	ND		1.7	0.59	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
Heptachlor	**0.17**	**J**	1.7	0.15	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
Methoxychlor	ND		3.4	0.55	ug/Kg		11/02/21 06:18	11/08/21 16:24	1
Toxaphene	ND		66	22	ug/Kg		11/02/21 06:18	11/08/21 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*42*	*S1-*	*46 - 109*	*11/02/21 06:18*	*11/08/21 16:24*	*1*
DCB Decachlorobiphenyl	*45*	*S1-*	*46 - 109*	*11/02/21 06:18*	*11/08/21 16:24*	*1*
Tetrachloro-m-xylene	*60*		*47 - 107*	*11/02/21 06:18*	*11/08/21 16:24*	*1*
Tetrachloro-m-xylene	*62*		*47 - 107*	*11/02/21 06:18*	*11/08/21 16:24*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC3-S1B-0.5

Date Collected: 10/26/21 14:24
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-27

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		32	4.4	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
4,4'-DDE	**18**	**J**	32	4.0	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
4,4'-DDT	ND		32	4.8	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
Aldrin	ND		32	2.7	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
alpha-BHC	ND		32	3.0	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
cis-Chlordane	ND		32	3.4	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
beta-BHC	ND		32	4.2	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
Chlordane (technical)	ND		380	180	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
delta-BHC	ND		32	6.7	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
Dieldrin	ND		32	3.8	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
Endosulfan I	ND		32	3.4	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
Endosulfan II	ND		32	3.4	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
Endosulfan sulfate	ND		32	6.7	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
Endrin	ND		32	3.8	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
Endrin aldehyde	ND		32	11	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
Endrin ketone	ND		32	5.1	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
trans-Chlordane	ND		32	11	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
gamma-BHC (Lindane)	ND		32	2.7	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
Heptachlor	ND		32	2.9	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
Heptachlor epoxide	ND		32	3.4	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
Methoxychlor	ND		65	11	ug/Kg		11/02/21 06:18	11/08/21 16:42	20
Toxaphene	ND		1300	430	ug/Kg		11/02/21 06:18	11/08/21 16:42	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*46 - 109*	*11/02/21 06:18*	*11/08/21 16:42*	*20*
DCB Decachlorobiphenyl	*47*		*46 - 109*	*11/02/21 06:18*	*11/08/21 16:42*	*20*
Tetrachloro-m-xylene	*70*		*47 - 107*	*11/02/21 06:18*	*11/08/21 16:42*	*20*
Tetrachloro-m-xylene	*64*		*47 - 107*	*11/02/21 06:18*	*11/08/21 16:42*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		31	2.4	ug/Kg		11/02/21 06:48	11/16/21 19:20	1
PCB-1221	ND		31	3.4	ug/Kg		11/02/21 06:48	11/16/21 19:20	1
PCB-1232	ND		31	4.6	ug/Kg		11/02/21 06:48	11/16/21 19:20	1
PCB-1242	ND		31	5.6	ug/Kg		11/02/21 06:48	11/16/21 19:20	1
PCB-1248	ND		31	2.3	ug/Kg		11/02/21 06:48	11/16/21 19:20	1
PCB-1254	ND		31	3.6	ug/Kg		11/02/21 06:48	11/16/21 19:20	1
PCB-1260	ND		31	2.6	ug/Kg		11/02/21 06:48	11/16/21 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*52 - 138*	*11/02/21 06:48*	*11/16/21 19:20*	*1*
Tetrachloro-m-xylene	*71*		*56 - 114*	*11/02/21 06:48*	*11/16/21 19:20*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**120**	**F2 B**	1.0	0.26	mg/Kg		11/01/21 13:39	11/02/21 12:21	1
Arsenic	**5.6**		2.0	1.3	mg/Kg		11/01/21 13:39	11/02/21 12:21	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC3-S1B-2
Date Collected: 10/26/21 14:26
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-28
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.2	0.44	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
4,4'-DDE	ND		3.2	0.40	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
4,4'-DDT	ND		3.2	0.47	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
Aldrin	ND		3.2	0.27	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
alpha-BHC	ND		3.2	0.30	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
cis-Chlordane	ND		3.2	0.34	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
beta-BHC	ND		3.2	0.42	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
Chlordane (technical)	ND		38	18	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
delta-BHC	ND		3.2	0.66	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
Dieldrin	ND		3.2	0.38	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
Endosulfan I	ND		3.2	0.34	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
Endosulfan II	ND		3.2	0.34	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
Endosulfan sulfate	ND		3.2	0.66	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
Endrin	ND		3.2	0.38	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
Endrin aldehyde	ND		3.2	1.1	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
Endrin ketone	ND		3.2	0.51	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
trans-Chlordane	ND		3.2	1.1	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
gamma-BHC (Lindane)	ND		3.2	0.27	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
Heptachlor	ND		3.2	0.28	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
Heptachlor epoxide	ND		3.2	0.34	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
Methoxychlor	ND		6.5	1.1	ug/Kg		11/02/21 06:18	11/08/21 17:01	2
Toxaphene	ND		130	43	ug/Kg		11/02/21 06:18	11/08/21 17:01	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*46 - 109*	*11/02/21 06:18*	*11/08/21 17:01*	*2*
DCB Decachlorobiphenyl	*50*		*46 - 109*	*11/02/21 06:18*	*11/08/21 17:01*	*2*
Tetrachloro-m-xylene	*64*		*47 - 107*	*11/02/21 06:18*	*11/08/21 17:01*	*2*
Tetrachloro-m-xylene	*69*		*47 - 107*	*11/02/21 06:18*	*11/08/21 17:01*	*2*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC3-S1C-0.5

Date Collected: 10/26/21 14:30
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-29

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		17	2.3	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
4,4'-DDE	ND		17	2.1	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
4,4'-DDT	ND		17	2.5	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
Aldrin	ND		17	1.4	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
alpha-BHC	ND		17	1.6	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
cis-Chlordane	ND		17	1.8	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
beta-BHC	ND		17	2.2	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
Chlordane (technical)	ND		200	93	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
delta-BHC	ND		17	3.5	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
Dieldrin	ND		17	2.0	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
Endosulfan I	ND		17	1.8	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
Endosulfan II	ND		17	1.8	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
Endosulfan sulfate	ND		17	3.5	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
Endrin	ND		17	2.0	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
Endrin aldehyde	ND		17	5.6	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
Endrin ketone	ND		17	2.7	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
trans-Chlordane	ND		17	5.9	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
gamma-BHC (Lindane)	ND		17	1.4	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
Heptachlor	ND		17	1.5	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
Heptachlor epoxide	ND		17	1.8	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
Methoxychlor	ND		34	5.5	ug/Kg		11/02/21 06:18	11/08/21 17:20	10
Toxaphene	ND		660	220	ug/Kg		11/02/21 06:18	11/08/21 17:20	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*46 - 109*	*11/02/21 06:18*	*11/08/21 17:20*	*10*
DCB Decachlorobiphenyl	*50*		*46 - 109*	*11/02/21 06:18*	*11/08/21 17:20*	*10*
Tetrachloro-m-xylene	*81*		*47 - 107*	*11/02/21 06:18*	*11/08/21 17:20*	*10*
Tetrachloro-m-xylene	*86*		*47 - 107*	*11/02/21 06:18*	*11/08/21 17:20*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/02/21 06:48	11/16/21 19:41	1
PCB-1221	ND		33	3.6	ug/Kg		11/02/21 06:48	11/16/21 19:41	1
PCB-1232	ND		33	4.7	ug/Kg		11/02/21 06:48	11/16/21 19:41	1
PCB-1242	ND		33	5.8	ug/Kg		11/02/21 06:48	11/16/21 19:41	1
PCB-1248	ND		33	2.4	ug/Kg		11/02/21 06:48	11/16/21 19:41	1
PCB-1254	ND		33	3.8	ug/Kg		11/02/21 06:48	11/16/21 19:41	1
PCB-1260	ND		33	2.7	ug/Kg		11/02/21 06:48	11/16/21 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*52 - 138*	*11/02/21 06:48*	*11/16/21 19:41*	*1*
Tetrachloro-m-xylene	*70*		*56 - 114*	*11/02/21 06:48*	*11/16/21 19:41*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**180**	**B**	0.99	0.26	mg/Kg		11/01/21 13:39	11/02/21 12:39	1
Arsenic	**4.0**		2.0	1.3	mg/Kg		11/01/21 13:39	11/02/21 12:39	1

Client Sample ID: AOC3-S1C-2

Date Collected: 10/26/21 15:09
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-30

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.0	1.1	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
4,4'-DDE	ND		8.0	0.98	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
4,4'-DDT	**1.7**	**J**	8.0	1.2	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
Aldrin	ND		8.0	0.66	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
alpha-BHC	ND		8.0	0.75	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
cis-Chlordane	ND		8.0	0.84	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
beta-BHC	ND		8.0	1.0	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
Chlordane (technical)	ND		94	44	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
delta-BHC	ND		8.0	1.6	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
Dieldrin	ND		8.0	0.94	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
Endosulfan I	ND		8.0	0.84	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
Endosulfan II	ND		8.0	0.84	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
Endosulfan sulfate	ND		8.0	1.6	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
Endrin	ND		8.0	0.94	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
Endrin aldehyde	ND		8.0	2.7	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
Endrin ketone	ND		8.0	1.3	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
trans-Chlordane	ND		8.0	2.8	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
gamma-BHC (Lindane)	ND		8.0	0.66	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
Heptachlor	ND		8.0	0.70	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
Heptachlor epoxide	ND		8.0	0.84	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
Methoxychlor	ND		16	2.6	ug/Kg		11/02/21 06:18	11/08/21 17:39	5
Toxaphene	ND		310	110	ug/Kg		11/02/21 06:18	11/08/21 17:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*46 - 109*	*11/02/21 06:18*	*11/08/21 17:39*	*5*
DCB Decachlorobiphenyl	*70*		*46 - 109*	*11/02/21 06:18*	*11/08/21 17:39*	*5*
Tetrachloro-m-xylene	*82*		*47 - 107*	*11/02/21 06:18*	*11/08/21 17:39*	*5*
Tetrachloro-m-xylene	*79*		*47 - 107*	*11/02/21 06:18*	*11/08/21 17:39*	*5*

Client Sample ID: AOC3-S2B-0.5

Date Collected: 10/26/21 14:51
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-31

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
4,4'-DDT	ND		16	2.3	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
Aldrin	ND		16	1.3	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
alpha-BHC	ND		16	1.5	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
beta-BHC	ND		16	2.1	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
Chlordane (technical)	ND		190	88	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
delta-BHC	ND		16	3.3	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
Dieldrin	ND		16	1.9	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
Endosulfan I	ND		16	1.7	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
Endosulfan II	ND		16	1.7	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
Endosulfan sulfate	ND		16	3.3	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
Endrin	ND		16	1.9	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
Endrin aldehyde	ND		16	5.4	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
Endrin ketone	ND		16	2.5	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
trans-Chlordane	ND		16	5.6	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
gamma-BHC (Lindane)	ND		16	1.3	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
Heptachlor	ND		16	1.4	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
Methoxychlor	ND		32	5.3	ug/Kg		11/02/21 06:18	11/08/21 17:58	10
Toxaphene	ND		630	210	ug/Kg		11/02/21 06:18	11/08/21 17:58	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*46 - 109*	*11/02/21 06:18*	*11/08/21 17:58*	*10*
DCB Decachlorobiphenyl	*107*		*46 - 109*	*11/02/21 06:18*	*11/08/21 17:58*	*10*
Tetrachloro-m-xylene	*93*		*47 - 107*	*11/02/21 06:18*	*11/08/21 17:58*	*10*
Tetrachloro-m-xylene	*89*		*47 - 107*	*11/02/21 06:18*	*11/08/21 17:58*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	F2	31	2.4	ug/Kg		11/02/21 06:48	11/16/21 20:01	1
PCB-1221	ND		31	3.4	ug/Kg		11/02/21 06:48	11/16/21 20:01	1
PCB-1232	ND		31	4.5	ug/Kg		11/02/21 06:48	11/16/21 20:01	1
PCB-1242	ND		31	5.5	ug/Kg		11/02/21 06:48	11/16/21 20:01	1
PCB-1248	ND		31	2.3	ug/Kg		11/02/21 06:48	11/16/21 20:01	1
PCB-1254	ND		31	3.6	ug/Kg		11/02/21 06:48	11/16/21 20:01	1
PCB-1260	ND		31	2.5	ug/Kg		11/02/21 06:48	11/16/21 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*52 - 138*	*11/02/21 06:48*	*11/16/21 20:01*	*1*
Tetrachloro-m-xylene	*92*		*56 - 114*	*11/02/21 06:48*	*11/16/21 20:01*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**160**	**B**	0.96	0.25	mg/Kg		11/01/21 13:39	11/02/21 12:43	1
Arsenic	**2.7**		1.9	1.3	mg/Kg		11/01/21 13:39	11/02/21 12:43	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC3-S2B-2
Date Collected: 10/26/21 14:54
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-32
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.2	0.43	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
4,4'-DDE	ND		3.2	0.40	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
4,4'-DDT	ND		3.2	0.47	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
Aldrin	ND		3.2	0.26	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
alpha-BHC	ND		3.2	0.30	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
cis-Chlordane	ND		3.2	0.34	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
beta-BHC	ND		3.2	0.41	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
Chlordane (technical)	ND		38	18	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
delta-BHC	ND		3.2	0.66	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
Dieldrin	ND		3.2	0.38	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
Endosulfan I	ND		3.2	0.34	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
Endosulfan II	ND		3.2	0.34	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
Endosulfan sulfate	ND		3.2	0.66	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
Endrin	ND		3.2	0.38	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
Endrin aldehyde	ND		3.2	1.1	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
Endrin ketone	ND		3.2	0.51	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
trans-Chlordane	ND		3.2	1.1	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
gamma-BHC (Lindane)	ND		3.2	0.26	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
Heptachlor	ND		3.2	0.28	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
Heptachlor epoxide	ND		3.2	0.34	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
Methoxychlor	ND		6.4	1.1	ug/Kg		11/02/21 06:18	11/08/21 18:17	2
Toxaphene	ND		130	42	ug/Kg		11/02/21 06:18	11/08/21 18:17	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*		*46 - 109*	*11/02/21 06:18*	*11/08/21 18:17*	*2*
DCB Decachlorobiphenyl	*44*	*S1-*	*46 - 109*	*11/02/21 06:18*	*11/08/21 18:17*	*2*
Tetrachloro-m-xylene	*71*		*47 - 107*	*11/02/21 06:18*	*11/08/21 18:17*	*2*
Tetrachloro-m-xylene	*69*		*47 - 107*	*11/02/21 06:18*	*11/08/21 18:17*	*2*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC3-S2C-0.5

Date Collected: 10/26/21 14:43
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-33

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
4,4'-DDT	ND	F1	16	2.4	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
Aldrin	ND		16	1.3	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
alpha-BHC	ND		16	1.5	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
beta-BHC	ND		16	2.1	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
Chlordane (technical)	ND		190	89	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
delta-BHC	ND		16	3.3	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
Dieldrin	ND	F1	16	1.9	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
Endosulfan I	ND		16	1.7	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
Endosulfan II	ND	F1	16	1.7	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
Endosulfan sulfate	ND	F1	16	3.3	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
Endrin	ND	F1	16	1.9	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
Endrin aldehyde	ND		16	5.4	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
Endrin ketone	ND	F1	16	2.6	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
trans-Chlordane	ND		16	5.7	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
gamma-BHC (Lindane)	ND		16	1.3	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
Heptachlor	ND		16	1.4	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
Methoxychlor	ND		32	5.3	ug/Kg		11/02/21 06:18	11/08/21 18:36	10
Toxaphene	ND		640	210	ug/Kg		11/02/21 06:18	11/08/21 18:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*46 - 109*	*11/02/21 06:18*	*11/08/21 18:36*	*10*
DCB Decachlorobiphenyl	*60*		*46 - 109*	*11/02/21 06:18*	*11/08/21 18:36*	*10*
Tetrachloro-m-xylene	*92*		*47 - 107*	*11/02/21 06:18*	*11/08/21 18:36*	*10*
Tetrachloro-m-xylene	*94*		*47 - 107*	*11/02/21 06:18*	*11/08/21 18:36*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		31	2.4	ug/Kg		11/02/21 06:48	11/16/21 21:03	1
PCB-1221	ND		31	3.4	ug/Kg		11/02/21 06:48	11/16/21 21:03	1
PCB-1232	ND		31	4.5	ug/Kg		11/02/21 06:48	11/16/21 21:03	1
PCB-1242	ND		31	5.6	ug/Kg		11/02/21 06:48	11/16/21 21:03	1
PCB-1248	ND		31	2.3	ug/Kg		11/02/21 06:48	11/16/21 21:03	1
PCB-1254	ND		31	3.6	ug/Kg		11/02/21 06:48	11/16/21 21:03	1
PCB-1260	ND		31	2.6	ug/Kg		11/02/21 06:48	11/16/21 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*52 - 138*	*11/02/21 06:48*	*11/16/21 21:03*	*1*
Tetrachloro-m-xylene	*64*		*56 - 114*	*11/02/21 06:48*	*11/16/21 21:03*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**640**	**B**	0.95	0.25	mg/Kg		11/01/21 13:39	11/02/21 12:55	1
Arsenic	**5.2**		1.9	1.2	mg/Kg		11/01/21 13:39	11/02/21 12:55	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC3-S2C-2
Date Collected: 10/26/21 14:46
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-34
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
Aldrin	ND		1.7	0.14	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
Chlordane (technical)	ND		20	9.3	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
Endrin	ND		1.7	0.20	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
trans-Chlordane	ND		1.7	0.59	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
Methoxychlor	ND		3.4	0.55	ug/Kg		11/02/21 06:18	11/08/21 19:32	1
Toxaphene	ND		66	22	ug/Kg		11/02/21 06:18	11/08/21 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*63*		*46 - 109*	*11/02/21 06:18*	*11/08/21 19:32*	*1*
DCB Decachlorobiphenyl	*46*		*46 - 109*	*11/02/21 06:18*	*11/08/21 19:32*	*1*
Tetrachloro-m-xylene	*64*		*47 - 107*	*11/02/21 06:18*	*11/08/21 19:32*	*1*
Tetrachloro-m-xylene	*71*		*47 - 107*	*11/02/21 06:18*	*11/08/21 19:32*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: EB10262021

Date Collected: 10/26/21 16:30
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-35

Matrix: Water

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.048	0.013	ug/L		11/02/21 10:26	11/03/21 15:34	1
4,4'-DDE	ND		0.019	0.0081	ug/L		11/02/21 10:26	11/03/21 15:34	1
4,4'-DDT	ND		0.048	0.025	ug/L		11/02/21 10:26	11/03/21 15:34	1
Aldrin	ND		0.048	0.011	ug/L		11/02/21 10:26	11/03/21 15:34	1
alpha-BHC	ND		0.019	0.0091	ug/L		11/02/21 10:26	11/03/21 15:34	1
cis-Chlordane	ND		0.019	0.0072	ug/L		11/02/21 10:26	11/03/21 15:34	1
beta-BHC	ND		0.019	0.0072	ug/L		11/02/21 10:26	11/03/21 15:34	1
Chlordane (technical)	ND		0.096	0.035	ug/L		11/02/21 10:26	11/03/21 15:34	1
delta-BHC	ND		0.019	0.0072	ug/L		11/02/21 10:26	11/03/21 15:34	1
Dieldrin	ND		0.048	0.011	ug/L		11/02/21 10:26	11/03/21 15:34	1
Endosulfan I	ND		0.048	0.011	ug/L		11/02/21 10:26	11/03/21 15:34	1
Endosulfan II	ND		0.048	0.010	ug/L		11/02/21 10:26	11/03/21 15:34	1
Endosulfan sulfate	ND		0.048	0.013	ug/L		11/02/21 10:26	11/03/21 15:34	1
Endrin	ND		0.019	0.0096	ug/L		11/02/21 10:26	11/03/21 15:34	1
Endrin aldehyde	ND		0.096	0.031	ug/L		11/02/21 10:26	11/03/21 15:34	1
Endrin ketone	ND		0.048	0.012	ug/L		11/02/21 10:26	11/03/21 15:34	1
trans-Chlordane	ND		0.048	0.013	ug/L		11/02/21 10:26	11/03/21 15:34	1
gamma-BHC (Lindane)	ND		0.019	0.0067	ug/L		11/02/21 10:26	11/03/21 15:34	1
Heptachlor	ND		0.019	0.0072	ug/L		11/02/21 10:26	11/03/21 15:34	1
Heptachlor epoxide	ND		0.019	0.0076	ug/L		11/02/21 10:26	11/03/21 15:34	1
Methoxychlor	ND		0.048	0.019	ug/L		11/02/21 10:26	11/03/21 15:34	1
Toxaphene	ND		0.29	0.14	ug/L		11/02/21 10:26	11/03/21 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*72*		*49 - 132*	*11/02/21 10:26*	*11/03/21 15:34*	*1*
DCB Decachlorobiphenyl (Surr)	*41*		*10 - 142*	*11/02/21 10:26*	*11/03/21 15:34*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48	0.31	ug/L		11/02/21 10:26	11/03/21 13:07	1
PCB-1221	ND		0.48	0.31	ug/L		11/02/21 10:26	11/03/21 13:07	1
PCB-1232	ND		0.48	0.31	ug/L		11/02/21 10:26	11/03/21 13:07	1
PCB-1242	ND		0.48	0.31	ug/L		11/02/21 10:26	11/03/21 13:07	1
PCB-1248	ND		0.48	0.31	ug/L		11/02/21 10:26	11/03/21 13:07	1
PCB-1254	ND		0.48	0.37	ug/L		11/02/21 10:26	11/03/21 13:07	1
PCB-1260	ND		0.48	0.37	ug/L		11/02/21 10:26	11/03/21 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*48*		*20 - 122*	*11/02/21 10:26*	*11/03/21 13:07*	*1*
Tetrachloro-m-xylene	*66*		*20 - 144*	*11/02/21 10:26*	*11/03/21 13:07*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.010	0.0058	mg/L		11/04/21 10:32	11/09/21 12:32	1
Arsenic	ND		0.10	0.022	mg/L		11/04/21 10:32	11/09/21 12:32	1
Barium	ND		0.010	0.0016	mg/L		11/04/21 10:32	11/09/21 12:32	1
Beryllium	ND		0.010	0.0026	mg/L		11/04/21 10:32	11/09/21 12:32	1
Cadmium	**0.0017**	**J**	0.010	0.0012	mg/L		11/04/21 10:32	11/09/21 12:32	1
Cobalt	ND		0.050	0.0023	mg/L		11/04/21 10:32	11/09/21 12:32	1
Chromium	ND		0.050	0.0086	mg/L		11/04/21 10:32	11/09/21 12:32	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: EB10262021
Date Collected: 10/26/21 16:30
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-35
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		0.050	0.0085	mg/L		11/04/21 10:32	11/09/21 12:32	1
Molybdenum	ND		0.050	0.024	mg/L		11/04/21 10:32	11/09/21 12:32	1
Nickel	ND		0.050	0.0045	mg/L		11/04/21 10:32	11/09/21 12:32	1
Antimony	ND		0.10	0.021	mg/L		11/04/21 10:32	11/09/21 12:32	1
Selenium	ND		0.10	0.034	mg/L		11/04/21 10:32	11/09/21 12:32	1
Thallium	ND		0.050	0.019	mg/L		11/04/21 10:32	11/09/21 12:32	1
Vanadium	**0.0021**	**J**	0.010	0.0017	mg/L		11/04/21 10:32	11/09/21 12:32	1
Zinc	ND		0.25	0.014	mg/L		11/04/21 10:32	11/09/21 12:32	1
Lead	ND		0.050	0.0080	mg/L		11/04/21 10:32	11/09/21 12:32	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00050	0.00014	mg/L		11/08/21 15:39	11/09/21 11:48	1

Default Detection Limits

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Method: 8081A - Organochlorine Pesticides (GC)
Prep: 3510C

Analyte	RL	MDL	Units
4,4'-DDD	0.050	0.014	ug/L
4,4'-DDE	0.020	0.0085	ug/L
4,4'-DDT	0.050	0.026	ug/L
Aldrin	0.050	0.011	ug/L
alpha-BHC	0.020	0.0095	ug/L
beta-BHC	0.020	0.0075	ug/L
Chlordane (technical)	0.10	0.037	ug/L
cis-Chlordane	0.020	0.0075	ug/L
delta-BHC	0.020	0.0075	ug/L
Dieldrin	0.050	0.012	ug/L
Endosulfan I	0.050	0.012	ug/L
Endosulfan II	0.050	0.011	ug/L
Endosulfan sulfate	0.050	0.014	ug/L
Endrin	0.020	0.010	ug/L
Endrin aldehyde	0.10	0.032	ug/L
Endrin ketone	0.050	0.013	ug/L
gamma-BHC (Lindane)	0.020	0.0070	ug/L
Heptachlor	0.020	0.0075	ug/L
Heptachlor epoxide	0.020	0.0080	ug/L
Methoxychlor	0.050	0.020	ug/L
Toxaphene	0.30	0.15	ug/L
trans-Chlordane	0.050	0.014	ug/L

Method: 8081A - Organochlorine Pesticides (GC)
Prep: 3546

Analyte	RL	MDL	Units
4,4'-DDD	1.7	0.23	ug/Kg
4,4'-DDE	1.7	0.21	ug/Kg
4,4'-DDT	1.7	0.25	ug/Kg
Aldrin	1.7	0.14	ug/Kg
alpha-BHC	1.7	0.16	ug/Kg
beta-BHC	1.7	0.22	ug/Kg
Chlordane (technical)	20	9.4	ug/Kg
cis-Chlordane	1.7	0.18	ug/Kg
delta-BHC	1.7	0.35	ug/Kg
Dieldrin	1.7	0.20	ug/Kg
Endosulfan I	1.7	0.18	ug/Kg
Endosulfan II	1.7	0.18	ug/Kg
Endosulfan sulfate	1.7	0.35	ug/Kg
Endrin	1.7	0.20	ug/Kg
Endrin aldehyde	1.7	0.57	ug/Kg
Endrin ketone	1.7	0.27	ug/Kg
gamma-BHC (Lindane)	1.7	0.14	ug/Kg
Heptachlor	1.7	0.15	ug/Kg
Heptachlor epoxide	1.7	0.18	ug/Kg
Methoxychlor	3.4	0.56	ug/Kg
Toxaphene	67	22	ug/Kg
trans-Chlordane	1.7	0.60	ug/Kg

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Prep: 3510C

Default Detection Limits

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Prep: 3510C

Analyte	RL	MDL	Units
PCB-1016	0.50	0.33	ug/L
PCB-1221	0.50	0.33	ug/L
PCB-1232	0.50	0.33	ug/L
PCB-1242	0.50	0.33	ug/L
PCB-1248	0.50	0.33	ug/L
PCB-1254	0.50	0.39	ug/L
PCB-1260	0.50	0.39	ug/L

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Prep: 3546

Analyte	RL	MDL	Units
PCB-1016	33	2.6	ug/Kg
PCB-1221	33	3.6	ug/Kg
PCB-1232	33	4.8	ug/Kg
PCB-1242	33	5.9	ug/Kg
PCB-1248	33	2.4	ug/Kg
PCB-1254	33	3.8	ug/Kg
PCB-1260	33	2.7	ug/Kg

Method: 6010B - Metals (ICP)
Prep: 3010A

Analyte	RL	MDL	Units
Antimony	0.10	0.021	mg/L
Arsenic	0.10	0.022	mg/L
Barium	0.010	0.0016	mg/L
Beryllium	0.010	0.0026	mg/L
Cadmium	0.010	0.0012	mg/L
Chromium	0.050	0.0086	mg/L
Cobalt	0.050	0.0023	mg/L
Copper	0.050	0.0085	mg/L
Lead	0.050	0.0080	mg/L
Molybdenum	0.050	0.024	mg/L
Nickel	0.050	0.0045	mg/L
Selenium	0.10	0.034	mg/L
Silver	0.010	0.0058	mg/L
Thallium	0.050	0.019	mg/L
Vanadium	0.010	0.0017	mg/L
Zinc	0.25	0.014	mg/L

Method: 6010B - Metals (ICP)
Prep: 3050B

Analyte	RL	MDL	Units
Antimony	3.0	1.4	mg/Kg
Arsenic	2.0	1.3	mg/Kg
Arsenic	2.5	2.3	mg/Kg
Barium	0.50	0.22	mg/Kg
Beryllium	0.25	0.17	mg/Kg
Cadmium	0.50	0.20	mg/Kg
Chromium	1.0	0.18	mg/Kg
Cobalt	1.0	0.23	mg/Kg
Copper	1.0	0.51	mg/Kg

Default Detection Limits

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

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

Prep: 3050B

Analyte	RL	MDL	Units
Lead	1.0	0.26	mg/Kg
Lead	5.0	0.97	mg/Kg
Molybdenum	0.50	0.45	mg/Kg
Nickel	0.50	0.43	mg/Kg
Selenium	5.0	1.9	mg/Kg
Silver	1.0	0.23	mg/Kg
Thallium	5.0	1.5	mg/Kg
Vanadium	1.0	0.17	mg/Kg
Zinc	10	5.1	mg/Kg

Method: 7470A - Mercury (CVAA)

Prep: 7470A

Analyte	RL	MDL	Units
Mercury	0.00050	0.00014	mg/L

Method: 7471A - Mercury (CVAA)

Prep: 7471A

Analyte	RL	MDL	Units
Mercury	0.083	0.014	mg/Kg

Surrogate Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(46-109)	(46-109)	(47-107)	(47-107)
320-80878-1	AOC1-S3-0.5	21 S1-	32 S1-	63	62
320-80878-2	AOC1-S3-2	54	57	62	65
320-80878-3	AOC1/AOC8-S4-0.5	86	124 S1+	81	79
320-80878-4	AOC1/AOC8-S4-0.5DUP	92	106	85	81
320-80878-5	AOC1/AOC8-S4-2	29 S1-	36 S1-	45 S1-	47
320-80878-6	AOC1/AOC2-S5-0.5	68	74	104	93
320-80878-7	AOC1/AOC2-S5-2	67	54	69	75
320-80878-8	AOC1-S6-0.5	103	98	94	94
320-80878-9	AOC1-S6-2	69	46	52	67
320-80878-10	AOC1/AOC7-S8-0.5	58	55	66	63
320-80878-11	AOC1/AOC7-S8-2	52	54	65	67
320-80878-12	AOC1/AOC7-S8-2DUP	43 S1-	49	52	54
320-80878-13	AOC1/AOC8-S10-0.5	57	50	68	70
320-80878-14	AOC1/AOC8-S10-2	45 S1-	41 S1-	67	64
320-80878-15	AOC1-S11-0.5	74	57	69	71
320-80878-16	AOC1-S11-2	60	62	63	70
320-80878-16 MS	AOC1-S11-2	63		63	
320-80878-16 MSD	AOC1-S11-2	52		57	
320-80878-17	AOC2-S12-0.5	584 S1+	47	71	69
320-80878-18	AOC2-S12-0.5DUP	192 S1+	50	70	75
320-80878-19	AOC2-S12-2	70	47	68	67
320-80878-20	AOC2-S12-2DUP	63	67	71	68
320-80878-21	AOC2/AOC3-S13/S3I-0.5	53	40 S1-	76	74
320-80878-22	AOC2/AOC3-S13/S3I-2	61	46	61	59
320-80878-23	AOC2-S14-0.5	73	48	81	80
320-80878-24	AOC2-S14-2	40 S1-	45 S1-	57	58
320-80878-25	AOC3/AOC8-S1A-0.5	209 S1+	31 S1- p	81	72
320-80878-25 MS	AOC3/AOC8-S1A-0.5		31 p S1-		59
320-80878-25 MSD	AOC3/AOC8-S1A-0.5		28 p S1-		63
320-80878-26	AOC3/AOC8-S1A-2	42 S1-	45 S1-	60	62
320-80878-27	AOC3-S1B-0.5	66	47	70	64
320-80878-28	AOC3-S1B-2	46	50	64	69
320-80878-29	AOC3-S1C-0.5	73	50	81	86
320-80878-30	AOC3-S1C-2	77	70	82	79
320-80878-31	AOC3-S2B-0.5	78	107	93	89
320-80878-32	AOC3-S2B-2	48	44 S1-	71	69
320-80878-33	AOC3-S2C-0.5	99	60	92	94
320-80878-33 MS	AOC3-S2C-0.5	72		87	
320-80878-33 MSD	AOC3-S2C-0.5	98		91	
320-80878-34	AOC3-S2C-2	63	46	64	71
LCS 320-537878/2-A	Lab Control Sample		57		68
LCS 320-539048/2-A	Lab Control Sample	48		68	
LCS 320-539069/2-A	Lab Control Sample	61		71	
MB 320-537878/1-A	Method Blank	53	53	68	70
MB 320-539048/1-A	Method Blank	47	68	62	64
MB 320-539069/1-A	Method Blank	64	78	67	68

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Water — **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) TCX1 (49-132)	DCB1 (10-142)
320-80878-35	EB10262021	72	41
LCS 570-191082/2-A	Lab Control Sample	83	66
LCSD 570-191082/3-A	Lab Control Sample Dup	84	70
MB 570-191082/1-A	Method Blank	73	44

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid — **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) DCBP1 (52-138)	TCX1 (56-114)
320-80878-1	AOC1-S3-0.5	25 S1-	66
320-80878-3	AOC1/AOC8-S4-0.5	77	81
320-80878-4	AOC1/AOC8-S4-0.5DUP	77	78
320-80878-6	AOC1/AOC2-S5-0.5	63	71
320-80878-8	AOC1-S6-0.5	66	64
320-80878-10	AOC1/AOC7-S8-0.5	53	46 S1-
320-80878-13	AOC1/AOC8-S10-0.5	56	52 S1-
320-80878-15	AOC1-S11-0.5	75	54 S1-
320-80878-17	AOC2-S12-0.5	56	52 S1-
320-80878-17 MS	AOC2-S12-0.5	64	61
320-80878-17 MSD	AOC2-S12-0.5	54	56
LCS 320-539050/2-A	Lab Control Sample	70	73
MB 320-539050/1-A	Method Blank	76	80

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid — **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) DCBP2 (52-138)	TCX2 (56-114)
320-80878-18	AOC2-S12-0.5DUP	66	74
320-80878-21	AOC2/AOC3-S13/S3I-0.5	69	81
320-80878-23	AOC2-S14-0.5	62	70
320-80878-25	AOC3/AOC8-S1A-0.5	61	69
320-80878-27	AOC3-S1B-0.5	73	71
320-80878-29	AOC3-S1C-0.5	77	70
320-80878-31	AOC3-S2B-0.5	88	92
320-80878-31 MS	AOC3-S2B-0.5	94	89
320-80878-31 MSD	AOC3-S2B-0.5	68	67
320-80878-33	AOC3-S2C-0.5	59	64
LCS 320-539070/2-A	Lab Control Sample	87	89
MB 320-539070/1-A	Method Blank	91	92

Surrogate Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCB1 (20-122)	TCX1 (20-144)								
320-80878-35	EB10262021	48	66								
LCS 570-191082/4-A	Lab Control Sample	65	68								
LCSD 570-191082/5-A	Lab Control Sample Dup	65	69								
MB 570-191082/1-A	Method Blank	50	65								

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 570-191082/1-A
Matrix: Water
Analysis Batch: 191324

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191082

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.014	ug/L		11/02/21 10:26	11/03/21 12:40	1
4,4'-DDE	ND		0.020	0.0085	ug/L		11/02/21 10:26	11/03/21 12:40	1
4,4'-DDT	ND		0.050	0.026	ug/L		11/02/21 10:26	11/03/21 12:40	1
Aldrin	ND		0.050	0.011	ug/L		11/02/21 10:26	11/03/21 12:40	1
alpha-BHC	ND		0.020	0.0095	ug/L		11/02/21 10:26	11/03/21 12:40	1
cis-Chlordane	ND		0.020	0.0075	ug/L		11/02/21 10:26	11/03/21 12:40	1
beta-BHC	ND		0.020	0.0075	ug/L		11/02/21 10:26	11/03/21 12:40	1
Chlordane (technical)	ND		0.10	0.037	ug/L		11/02/21 10:26	11/03/21 12:40	1
delta-BHC	ND		0.020	0.0075	ug/L		11/02/21 10:26	11/03/21 12:40	1
Dieldrin	ND		0.050	0.012	ug/L		11/02/21 10:26	11/03/21 12:40	1
Endosulfan I	ND		0.050	0.012	ug/L		11/02/21 10:26	11/03/21 12:40	1
Endosulfan II	ND		0.050	0.011	ug/L		11/02/21 10:26	11/03/21 12:40	1
Endosulfan sulfate	ND		0.050	0.014	ug/L		11/02/21 10:26	11/03/21 12:40	1
Endrin	ND		0.020	0.010	ug/L		11/02/21 10:26	11/03/21 12:40	1
Endrin aldehyde	ND		0.10	0.032	ug/L		11/02/21 10:26	11/03/21 12:40	1
Endrin ketone	ND		0.050	0.013	ug/L		11/02/21 10:26	11/03/21 12:40	1
trans-Chlordane	ND		0.050	0.014	ug/L		11/02/21 10:26	11/03/21 12:40	1
gamma-BHC (Lindane)	ND		0.020	0.0070	ug/L		11/02/21 10:26	11/03/21 12:40	1
Heptachlor	ND		0.020	0.0075	ug/L		11/02/21 10:26	11/03/21 12:40	1
Heptachlor epoxide	ND		0.020	0.0080	ug/L		11/02/21 10:26	11/03/21 12:40	1
Methoxychlor	ND		0.050	0.020	ug/L		11/02/21 10:26	11/03/21 12:40	1
Toxaphene	ND		0.30	0.15	ug/L		11/02/21 10:26	11/03/21 12:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*49 - 132*	*11/02/21 10:26*	*11/03/21 12:40*	*1*
DCB Decachlorobiphenyl (Surr)	*44*		*10 - 142*	*11/02/21 10:26*	*11/03/21 12:40*	*1*

Lab Sample ID: LCS 570-191082/2-A
Matrix: Water
Analysis Batch: 191324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191082

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.250	0.233		ug/L		93	27 - 162
4,4'-DDE	0.250	0.222		ug/L		89	23 - 160
4,4'-DDT	0.250	0.237		ug/L		95	11 - 173
Aldrin	0.250	0.190		ug/L		76	31 - 135
alpha-BHC	0.250	0.218		ug/L		87	28 - 147
cis-Chlordane	0.250	0.227		ug/L		91	26 - 151
beta-BHC	0.250	0.198		ug/L		79	26 - 151
delta-BHC	0.250	0.241		ug/L		96	10 - 140
Dieldrin	0.250	0.240		ug/L		96	24 - 157
Endosulfan I	0.250	0.219		ug/L		87	26 - 150
Endosulfan II	0.250	0.218		ug/L		87	27 - 160
Endosulfan sulfate	0.250	0.219		ug/L		88	25 - 146
Endrin	0.250	0.238		ug/L		95	24 - 170
Endrin aldehyde	0.250	0.225		ug/L		90	23 - 153
Endrin ketone	0.250	0.217		ug/L		87	32 - 154
trans-Chlordane	0.250	0.201		ug/L		80	22 - 159

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 570-191082/2-A
Matrix: Water
Analysis Batch: 191324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191082

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-BHC (Lindane)	0.250	0.219		ug/L		88	28 - 151
Heptachlor	0.250	0.206		ug/L		83	26 - 145
Heptachlor epoxide	0.250	0.222		ug/L		89	26 - 157
Methoxychlor	0.250	0.217		ug/L		87	31 - 155

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*83*		*49 - 132*
DCB Decachlorobiphenyl (Surr)	*66*		*10 - 142*

Lab Sample ID: LCSD 570-191082/3-A
Matrix: Water
Analysis Batch: 191324

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 191082

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.250	0.232		ug/L		93	27 - 162	0	30
4,4'-DDE	0.250	0.222		ug/L		89	23 - 160	0	28
4,4'-DDT	0.250	0.239		ug/L		96	11 - 173	1	40
Aldrin	0.250	0.197		ug/L		79	31 - 135	3	26
alpha-BHC	0.250	0.221		ug/L		88	28 - 147	1	26
cis-Chlordane	0.250	0.216		ug/L		86	26 - 151	5	29
beta-BHC	0.250	0.201		ug/L		80	26 - 151	2	26
delta-BHC	0.250	0.244		ug/L		97	10 - 140	1	36
Dieldrin	0.250	0.222		ug/L		89	24 - 157	8	27
Endosulfan I	0.250	0.218		ug/L		87	26 - 150	0	25
Endosulfan II	0.250	0.220		ug/L		88	27 - 160	1	27
Endosulfan sulfate	0.250	0.222		ug/L		89	25 - 146	1	27
Endrin	0.250	0.233		ug/L		93	24 - 170	2	40
Endrin aldehyde	0.250	0.224		ug/L		90	23 - 153	0	25
Endrin ketone	0.250	0.219		ug/L		88	32 - 154	1	27
trans-Chlordane	0.250	0.201		ug/L		81	22 - 159	0	30
gamma-BHC (Lindane)	0.250	0.221		ug/L		88	28 - 151	1	26
Heptachlor	0.250	0.211		ug/L		85	26 - 145	2	26
Heptachlor epoxide	0.250	0.219		ug/L		88	26 - 157	1	30
Methoxychlor	0.250	0.219		ug/L		88	31 - 155	1	26

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*84*		*49 - 132*
DCB Decachlorobiphenyl (Surr)	*70*		*10 - 142*

Lab Sample ID: MB 320-537878/1-A
Matrix: Solid
Analysis Batch: 538396

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 537878

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
Aldrin	ND		1.7	0.14	ug/Kg		10/28/21 10:38	10/29/21 21:20	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 320-537878/1-A
Matrix: Solid
Analysis Batch: 538396

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 537878

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		1.7	0.16	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
beta-BHC	ND		1.7	0.22	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
Chlordane (technical)	ND		20	9.4	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
delta-BHC	ND		1.7	0.35	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
Dieldrin	ND		1.7	0.20	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
Endosulfan I	ND		1.7	0.18	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
Endosulfan II	ND		1.7	0.18	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
Endrin	ND		1.7	0.20	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
Endrin ketone	ND		1.7	0.27	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
Heptachlor	ND		1.7	0.15	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
Methoxychlor	ND		3.4	0.56	ug/Kg		10/28/21 10:38	10/29/21 21:20	1
Toxaphene	ND		67	22	ug/Kg		10/28/21 10:38	10/29/21 21:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*46 - 109*	*10/28/21 10:38*	*10/29/21 21:20*	*1*
DCB Decachlorobiphenyl	*53*		*46 - 109*	*10/28/21 10:38*	*10/29/21 21:20*	*1*
Tetrachloro-m-xylene	*68*		*47 - 107*	*10/28/21 10:38*	*10/29/21 21:20*	*1*
Tetrachloro-m-xylene	*70*		*47 - 107*	*10/28/21 10:38*	*10/29/21 21:20*	*1*

Lab Sample ID: LCS 320-537878/2-A
Matrix: Solid
Analysis Batch: 538396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 537878

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	14.8		ug/Kg		89	53 - 117
4,4'-DDE	16.7	13.3		ug/Kg		80	58 - 115
4,4'-DDT	16.7	15.1		ug/Kg		90	53 - 128
Aldrin	16.7	12.7		ug/Kg		76	55 - 109
alpha-BHC	16.7	12.8		ug/Kg		77	54 - 111
cis-Chlordane	16.7	12.8		ug/Kg		77	54 - 113
beta-BHC	16.7	12.7		ug/Kg		76	53 - 115
delta-BHC	16.7	12.5		ug/Kg		75	39 - 124
Dieldrin	16.7	13.7		ug/Kg		82	54 - 117
Endosulfan I	16.7	11.7		ug/Kg		70	42 - 118
Endosulfan II	16.7	12.7		ug/Kg		76	48 - 118
Endosulfan sulfate	16.7	12.5		ug/Kg		75	51 - 113
Endrin	16.7	13.8		ug/Kg		83	58 - 115
Endrin aldehyde	16.7	11.3		ug/Kg		68	40 - 100
Endrin ketone	16.7	11.8		ug/Kg		71	51 - 118
trans-Chlordane	16.7	12.6		ug/Kg		75	55 - 114
gamma-BHC (Lindane)	16.7	12.5		ug/Kg		75	54 - 112
Heptachlor	16.7	13.0		ug/Kg		78	50 - 118

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 320-537878/2-A
Matrix: Solid
Analysis Batch: 538396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 537878

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptachlor epoxide	16.7	12.9		ug/Kg		77	56 - 113
Methoxychlor	16.7	12.8		ug/Kg		77	52 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*57*		*46 - 109*
Tetrachloro-m-xylene	*68*		*47 - 107*

Lab Sample ID: 320-80878-25 MS
Matrix: Solid
Analysis Batch: 538396

Client Sample ID: AOC3/AOC8-S1A-0.5
Prep Type: Total/NA
Prep Batch: 537878

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		15.8	11.1	J P	ug/Kg		70	53 - 117
4,4'-DDE	ND	F1	15.8	6.35	J F1	ug/Kg		40	58 - 115
4,4'-DDT	ND	F1	15.8	7.24	J F1	ug/Kg		46	53 - 128
Aldrin	ND		15.8	9.09	J	ug/Kg		58	55 - 109
alpha-BHC	ND		15.8	9.00	J	ug/Kg		57	54 - 111
cis-Chlordane	ND	F1	15.8	6.63	J F1	ug/Kg		42	54 - 113
beta-BHC	ND		15.8	9.52	J	ug/Kg		60	53 - 115
delta-BHC	ND		15.8	8.30	J	ug/Kg		53	39 - 124
Dieldrin	ND	F1	15.8	6.38	J F1	ug/Kg		40	54 - 117
Endosulfan I	ND	F1	15.8	6.33	J F1	ug/Kg		40	42 - 118
Endosulfan II	ND	F1	15.8	7.21	J F1	ug/Kg		46	48 - 118
Endosulfan sulfate	ND	F1	15.8	7.55	J F1	ug/Kg		48	51 - 113
Endrin	ND	F1	15.8	6.66	J F1	ug/Kg		42	58 - 115
Endrin aldehyde	ND	F1	15.8	ND	F1	ug/Kg		0	40 - 100
Endrin ketone	ND	F1	15.8	7.30	J F1 P	ug/Kg		46	51 - 118
trans-Chlordane	ND	F1	15.8	ND	F1	ug/Kg		0	55 - 114
gamma-BHC (Lindane)	ND		15.8	10.8	J	ug/Kg		69	54 - 112
Heptachlor	ND		15.8	9.26	J	ug/Kg		59	50 - 118
Heptachlor epoxide	ND	F1	15.8	7.53	J F1	ug/Kg		48	56 - 113
Methoxychlor	ND	F1	15.8	ND	F1	ug/Kg		0	52 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*31*	*p S1-*	*46 - 109*
Tetrachloro-m-xylene	*59*		*47 - 107*

Lab Sample ID: 320-80878-25 MSD
Matrix: Solid
Analysis Batch: 538396

Client Sample ID: AOC3/AOC8-S1A-0.5
Prep Type: Total/NA
Prep Batch: 537878

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		15.8	11.0	J P	ug/Kg		70	53 - 117	1	30
4,4'-DDE	ND	F1	15.8	7.74	J F1	ug/Kg		49	58 - 115	20	30
4,4'-DDT	ND	F1	15.8	6.81	J F1	ug/Kg		43	53 - 128	6	30
Aldrin	ND		15.8	9.15	J	ug/Kg		58	55 - 109	1	30
alpha-BHC	ND		15.8	9.40	J	ug/Kg		59	54 - 111	4	30
cis-Chlordane	ND	F1	15.8	6.80	J F1	ug/Kg		43	54 - 113	3	30

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 320-80878-25 MSD
Matrix: Solid
Analysis Batch: 538396

Client Sample ID: AOC3/AOC8-S1A-0.5
Prep Type: Total/NA
Prep Batch: 537878

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
beta-BHC	ND		15.8	9.44	J	ug/Kg		60	53 - 115	1	30
delta-BHC	ND		15.8	8.03	J	ug/Kg		51	39 - 124	3	30
Dieldrin	ND	F1	15.8	8.00	J F1	ug/Kg		51	54 - 117	23	30
Endosulfan I	ND	F1	15.8	6.44	J F1	ug/Kg		41	42 - 118	2	30
Endosulfan II	ND	F1	15.8	8.09	J	ug/Kg		51	48 - 118	11	30
Endosulfan sulfate	ND	F1	15.8	7.17	J F1	ug/Kg		45	51 - 113	5	30
Endrin	ND	F1	15.8	6.84	J F1	ug/Kg		43	58 - 115	3	30
Endrin aldehyde	ND	F1	15.8	ND	F1	ug/Kg		0	40 - 100	NC	30
Endrin ketone	ND	F1	15.8	7.60	J F1 P	ug/Kg		48	51 - 118	4	30
trans-Chlordane	ND	F1	15.8	ND	F1	ug/Kg		0	55 - 114	NC	30
gamma-BHC (Lindane)	ND		15.8	10.9	J	ug/Kg		69	54 - 112	0	30
Heptachlor	ND		15.8	9.46	J	ug/Kg		60	50 - 118	2	30
Heptachlor epoxide	ND	F1	15.8	7.96	J F1	ug/Kg		50	56 - 113	6	30
Methoxychlor	ND	F1	15.8	ND	F1	ug/Kg		0	52 - 123	NC	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*28*	*p S1-*	*46 - 109*
Tetrachloro-m-xylene	*63*		*47 - 107*

Lab Sample ID: MB 320-539048/1-A
Matrix: Solid
Analysis Batch: 541246

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539048

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
Aldrin	ND		1.7	0.14	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
Chlordane (technical)	ND		20	9.4	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
Endrin	ND		1.7	0.20	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/02/21 04:39	11/09/21 14:59	1
Toxaphene	ND		67	22	ug/Kg		11/02/21 04:39	11/09/21 14:59	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 320-539048/1-A
Matrix: Solid
Analysis Batch: 541246

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539048

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	47		46 - 109	11/02/21 04:39	11/09/21 14:59	1
DCB Decachlorobiphenyl	68		46 - 109	11/02/21 04:39	11/09/21 14:59	1
Tetrachloro-m-xylene	62		47 - 107	11/02/21 04:39	11/09/21 14:59	1
Tetrachloro-m-xylene	64		47 - 107	11/02/21 04:39	11/09/21 14:59	1

Lab Sample ID: LCS 320-539048/2-A
Matrix: Solid
Analysis Batch: 541246

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539048

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	10.4		ug/Kg		63	53 - 117
4,4'-DDE	16.7	10.2		ug/Kg		61	58 - 115
4,4'-DDT	16.7	9.84		ug/Kg		59	53 - 128
Aldrin	16.7	9.77		ug/Kg		59	55 - 109
alpha-BHC	16.7	11.5		ug/Kg		69	54 - 111
cis-Chlordane	16.7	10.3		ug/Kg		62	54 - 113
beta-BHC	16.7	11.3		ug/Kg		68	53 - 115
delta-BHC	16.7	10.6		ug/Kg		63	39 - 124
Dieldrin	16.7	9.93		ug/Kg		60	54 - 117
Endosulfan I	16.7	8.55		ug/Kg		51	42 - 118
Endosulfan II	16.7	9.42		ug/Kg		57	48 - 118
Endosulfan sulfate	16.7	9.61		ug/Kg		58	51 - 113
Endrin	16.7	10.2		ug/Kg		61	58 - 115
Endrin aldehyde	16.7	6.62		ug/Kg		40	40 - 100
Endrin ketone	16.7	8.65		ug/Kg		52	51 - 118
trans-Chlordane	16.7	10.7		ug/Kg		64	55 - 114
gamma-BHC (Lindane)	16.7	11.5		ug/Kg		69	54 - 112
Heptachlor	16.7	9.85		ug/Kg		59	50 - 118
Heptachlor epoxide	16.7	10.1		ug/Kg		61	56 - 113
Methoxychlor	16.7	10.2		ug/Kg		61	52 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	48		46 - 109
Tetrachloro-m-xylene	68		47 - 107

Lab Sample ID: 320-80878-16 MS
Matrix: Solid
Analysis Batch: 541246

Client Sample ID: AOC1-S11-2
Prep Type: Total/NA
Prep Batch: 539048

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		15.7	10.7		ug/Kg		68	53 - 117
4,4'-DDE	ND		15.7	9.98		ug/Kg		64	58 - 115
4,4'-DDT	ND		15.7	10.2		ug/Kg		65	53 - 128
Aldrin	ND		15.7	10.6		ug/Kg		67	55 - 109
alpha-BHC	ND		15.7	10.3		ug/Kg		66	54 - 111
cis-Chlordane	ND		15.7	10.4		ug/Kg		67	54 - 113
beta-BHC	ND		15.7	10.7		ug/Kg		68	53 - 115
delta-BHC	ND		15.7	10.5		ug/Kg		67	39 - 124

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 320-80878-16 MS
Matrix: Solid
Analysis Batch: 541246

Client Sample ID: AOC1-S11-2
Prep Type: Total/NA
Prep Batch: 539048

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dieldrin	ND		15.7	10.3		ug/Kg		66	54 - 117
Endosulfan I	ND		15.7	8.66		ug/Kg		55	42 - 118
Endosulfan II	ND		15.7	9.53		ug/Kg		61	48 - 118
Endosulfan sulfate	ND		15.7	10.5		ug/Kg		67	51 - 113
Endrin	ND		15.7	10.2		ug/Kg		65	58 - 115
Endrin aldehyde	ND		15.7	7.84		ug/Kg		50	40 - 100
Endrin ketone	ND		15.7	10.0		ug/Kg		64	51 - 118
trans-Chlordane	ND		15.7	9.71		ug/Kg		62	55 - 114
gamma-BHC (Lindane)	ND		15.7	10.5		ug/Kg		67	54 - 112
Heptachlor	ND		15.7	9.86		ug/Kg		63	50 - 118
Heptachlor epoxide	ND		15.7	10.4		ug/Kg		66	56 - 113
Methoxychlor	ND		15.7	10.3		ug/Kg		66	52 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*63*		*46 - 109*
Tetrachloro-m-xylene	*63*		*47 - 107*

Lab Sample ID: 320-80878-16 MSD
Matrix: Solid
Analysis Batch: 541246

Client Sample ID: AOC1-S11-2
Prep Type: Total/NA
Prep Batch: 539048

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		15.6	11.6		ug/Kg		74	53 - 117	8	30
4,4'-DDE	ND		15.6	10.9		ug/Kg		70	58 - 115	9	30
4,4'-DDT	ND		15.6	10.9		ug/Kg		70	53 - 128	6	30
Aldrin	ND		15.6	11.2		ug/Kg		71	55 - 109	6	30
alpha-BHC	ND		15.6	11.1		ug/Kg		71	54 - 111	7	30
cis-Chlordane	ND		15.6	11.1		ug/Kg		71	54 - 113	6	30
beta-BHC	ND		15.6	11.2		ug/Kg		72	53 - 115	5	30
delta-BHC	ND		15.6	11.1		ug/Kg		71	39 - 124	6	30
Dieldrin	ND		15.6	11.1		ug/Kg		71	54 - 117	7	30
Endosulfan I	ND		15.6	9.26		ug/Kg		59	42 - 118	7	30
Endosulfan II	ND		15.6	10.3		ug/Kg		66	48 - 118	7	30
Endosulfan sulfate	ND		15.6	11.2		ug/Kg		71	51 - 113	6	30
Endrin	ND		15.6	11.2		ug/Kg		71	58 - 115	9	30
Endrin aldehyde	ND		15.6	8.90		ug/Kg		57	40 - 100	13	30
Endrin ketone	ND		15.6	10.6		ug/Kg		68	51 - 118	5	30
trans-Chlordane	ND		15.6	10.3		ug/Kg		66	55 - 114	6	30
gamma-BHC (Lindane)	ND		15.6	11.2		ug/Kg		72	54 - 112	6	30
Heptachlor	ND		15.6	10.7		ug/Kg		68	50 - 118	8	30
Heptachlor epoxide	ND		15.6	10.9		ug/Kg		70	56 - 113	5	30
Methoxychlor	ND		15.6	11.0		ug/Kg		70	52 - 123	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*52*		*46 - 109*
Tetrachloro-m-xylene	*57*		*47 - 107*

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 320-539069/1-A
Matrix: Solid
Analysis Batch: 541246

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539069

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
Aldrin	ND		1.7	0.14	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
Chlordane (technical)	ND		20	9.4	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
Endrin	ND		1.7	0.20	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/02/21 06:18	11/09/21 14:40	1
Toxaphene	ND		67	22	ug/Kg		11/02/21 06:18	11/09/21 14:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*46 - 109*	*11/02/21 06:18*	*11/09/21 14:40*	*1*
DCB Decachlorobiphenyl	*78*		*46 - 109*	*11/02/21 06:18*	*11/09/21 14:40*	*1*
Tetrachloro-m-xylene	*67*		*47 - 107*	*11/02/21 06:18*	*11/09/21 14:40*	*1*
Tetrachloro-m-xylene	*68*		*47 - 107*	*11/02/21 06:18*	*11/09/21 14:40*	*1*

Lab Sample ID: LCS 320-539069/2-A
Matrix: Solid
Analysis Batch: 540922

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539069

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	11.4		ug/Kg		68	53 - 117
4,4'-DDE	16.7	11.5		ug/Kg		69	58 - 115
4,4'-DDT	16.7	12.5		ug/Kg		75	53 - 128
Aldrin	16.7	11.2		ug/Kg		67	55 - 109
alpha-BHC	16.7	11.3		ug/Kg		68	54 - 111
cis-Chlordane	16.7	11.0		ug/Kg		66	54 - 113
beta-BHC	16.7	10.9		ug/Kg		66	53 - 115
delta-BHC	16.7	11.0		ug/Kg		66	39 - 124
Dieldrin	16.7	11.5		ug/Kg		69	54 - 117
Endosulfan I	16.7	9.43		ug/Kg		57	42 - 118
Endosulfan II	16.7	10.9		ug/Kg		65	48 - 118
Endosulfan sulfate	16.7	11.7		ug/Kg		70	51 - 113
Endrin	16.7	11.5		ug/Kg		69	58 - 115
Endrin aldehyde	16.7	10.6		ug/Kg		64	40 - 100

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 320-539069/2-A
Matrix: Solid
Analysis Batch: 540922

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539069

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin ketone	16.7	11.2		ug/Kg		67	51 - 118
trans-Chlordane	16.7	10.7		ug/Kg		64	55 - 114
gamma-BHC (Lindane)	16.7	11.2		ug/Kg		67	54 - 112
Heptachlor	16.7	10.7		ug/Kg		64	50 - 118
Heptachlor epoxide	16.7	10.8		ug/Kg		65	56 - 113
Methoxychlor	16.7	12.2		ug/Kg		73	52 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*61*		*46 - 109*
Tetrachloro-m-xylene	*71*		*47 - 107*

Lab Sample ID: 320-80878-33 MS
Matrix: Solid
Analysis Batch: 540922

Client Sample ID: AOC3-S2C-0.5
Prep Type: Total/NA
Prep Batch: 539069

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		15.9	12.7	J	ug/Kg		80	53 - 117
4,4'-DDE	ND		15.9	9.82	J	ug/Kg		62	58 - 115
4,4'-DDT	ND	F1	15.9	8.76	J	ug/Kg		55	53 - 128
Aldrin	ND		15.9	11.2	J	ug/Kg		70	55 - 109
alpha-BHC	ND		15.9	12.5	J	ug/Kg		79	54 - 111
cis-Chlordane	ND		15.9	9.86	J	ug/Kg		62	54 - 113
beta-BHC	ND		15.9	12.2	J	ug/Kg		77	53 - 115
delta-BHC	ND		15.9	10.9	J	ug/Kg		69	39 - 124
Dieldrin	ND	F1	15.9	8.95	J	ug/Kg		56	54 - 117
Endosulfan I	ND		15.9	7.85	J	ug/Kg		49	42 - 118
Endosulfan II	ND	F1	15.9	7.35	J F1	ug/Kg		46	48 - 118
Endosulfan sulfate	ND	F1	15.9	7.59	J F1	ug/Kg		48	51 - 113
Endrin	ND	F1	15.9	9.08	J F1	ug/Kg		57	58 - 115
Endrin aldehyde	ND		15.9	7.05	J	ug/Kg		44	40 - 100
Endrin ketone	ND	F1	15.9	7.54	J F1	ug/Kg		47	51 - 118
trans-Chlordane	ND		15.9	9.65	J	ug/Kg		61	55 - 114
gamma-BHC (Lindane)	ND		15.9	12.1	J	ug/Kg		76	54 - 112
Heptachlor	ND		15.9	11.6	J	ug/Kg		73	50 - 118
Heptachlor epoxide	ND		15.9	9.83	J	ug/Kg		62	56 - 113
Methoxychlor	ND		15.9	5.50	J p F1	ug/Kg		35	52 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*72*		*46 - 109*
Tetrachloro-m-xylene	*87*		*47 - 107*

Lab Sample ID: 320-80878-33 MSD
Matrix: Solid
Analysis Batch: 540922

Client Sample ID: AOC3-S2C-0.5
Prep Type: Total/NA
Prep Batch: 539069

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		15.8	12.1	J	ug/Kg		77	53 - 117	5	30
4,4'-DDE	ND		15.8	9.45	J	ug/Kg		60	58 - 115	4	30

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 320-80878-33 MSD
Matrix: Solid
Analysis Batch: 540922

Client Sample ID: AOC3-S2C-0.5
Prep Type: Total/NA
Prep Batch: 539069

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDT	ND	F1	15.8	6.93	J F1	ug/Kg		44	53 - 128	23	30
Aldrin	ND		15.8	11.4	J	ug/Kg		73	55 - 109	2	30
alpha-BHC	ND		15.8	11.4	J	ug/Kg		73	54 - 111	9	30
cis-Chlordane	ND		15.8	9.28	J	ug/Kg		59	54 - 113	6	30
beta-BHC	ND		15.8	12.1	J	ug/Kg		77	53 - 115	1	30
delta-BHC	ND		15.8	10.1	J	ug/Kg		64	39 - 124	8	30
Dieldrin	ND	F1	15.8	8.34	J F1	ug/Kg		53	54 - 117	7	30
Endosulfan I	ND		15.8	7.89	J	ug/Kg		50	42 - 118	0	30
Endosulfan II	ND	F1	15.8	7.03	J F1	ug/Kg		45	48 - 118	4	30
Endosulfan sulfate	ND	F1	15.8	7.43	J F1	ug/Kg		47	51 - 113	2	30
Endrin	ND	F1	15.8	8.41	J F1	ug/Kg		53	58 - 115	8	30
Endrin aldehyde	ND		15.8	7.48	J	ug/Kg		47	40 - 100	6	30
Endrin ketone	ND	F1	15.8	8.09	J	ug/Kg		51	51 - 118	7	30
trans-Chlordane	ND		15.8	9.39	J	ug/Kg		60	55 - 114	3	30
gamma-BHC (Lindane)	ND		15.8	11.6	J	ug/Kg		74	54 - 112	4	30
Heptachlor	ND		15.8	10.8	J	ug/Kg		68	50 - 118	8	30
Heptachlor epoxide	ND		15.8	10.5	J	ug/Kg		66	56 - 113	6	30
Methoxychlor	ND		15.8	5.34	J p F1	ug/Kg		34	52 - 123	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*98*		*46 - 109*
Tetrachloro-m-xylene	*91*		*47 - 107*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-191082/1-A
Matrix: Water
Analysis Batch: 191413

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191082

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.33	ug/L		11/02/21 10:26	11/03/21 11:55	1
PCB-1221	ND		0.50	0.33	ug/L		11/02/21 10:26	11/03/21 11:55	1
PCB-1232	ND		0.50	0.33	ug/L		11/02/21 10:26	11/03/21 11:55	1
PCB-1242	ND		0.50	0.33	ug/L		11/02/21 10:26	11/03/21 11:55	1
PCB-1248	ND		0.50	0.33	ug/L		11/02/21 10:26	11/03/21 11:55	1
PCB-1254	ND		0.50	0.39	ug/L		11/02/21 10:26	11/03/21 11:55	1
PCB-1260	ND		0.50	0.39	ug/L		11/02/21 10:26	11/03/21 11:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*50*		*20 - 122*	*11/02/21 10:26*	*11/03/21 11:55*	*1*
Tetrachloro-m-xylene	*65*		*20 - 144*	*11/02/21 10:26*	*11/03/21 11:55*	*1*

Lab Sample ID: LCS 570-191082/4-A
Matrix: Water
Analysis Batch: 191413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191082

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.00	0.903		ug/L		90	20 - 165		

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 570-191082/4-A
Matrix: Water
Analysis Batch: 191413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191082

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1260			1.00	1.06		ug/L		106	42 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*65*		*20 - 122*
Tetrachloro-m-xylene	*68*		*20 - 144*

Lab Sample ID: LCSD 570-191082/5-A
Matrix: Water
Analysis Batch: 191413

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 191082

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016			1.00	0.910		ug/L		91	20 - 165	1	30
PCB-1260			1.00	0.937		ug/L		94	42 - 148	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*65*		*20 - 122*
Tetrachloro-m-xylene	*69*		*20 - 144*

Lab Sample ID: MB 320-539050/1-A
Matrix: Solid
Analysis Batch: 543551

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539050

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.6	ug/Kg		11/02/21 04:41	11/17/21 14:20	1
PCB-1221	ND		33	3.6	ug/Kg		11/02/21 04:41	11/17/21 14:20	1
PCB-1232	ND		33	4.8	ug/Kg		11/02/21 04:41	11/17/21 14:20	1
PCB-1242	ND		33	5.9	ug/Kg		11/02/21 04:41	11/17/21 14:20	1
PCB-1248	ND		33	2.4	ug/Kg		11/02/21 04:41	11/17/21 14:20	1
PCB-1254	ND		33	3.8	ug/Kg		11/02/21 04:41	11/17/21 14:20	1
PCB-1260	ND		33	2.7	ug/Kg		11/02/21 04:41	11/17/21 14:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*52 - 138*	*11/02/21 04:41*	*11/17/21 14:20*	*1*
Tetrachloro-m-xylene	*80*		*56 - 114*	*11/02/21 04:41*	*11/17/21 14:20*	*1*

Lab Sample ID: LCS 320-539050/2-A
Matrix: Solid
Analysis Batch: 543551

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539050

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			66.7	60.3		ug/Kg		90	58 - 124		
PCB-1260			66.7	57.9		ug/Kg		87	55 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*70*		*52 - 138*
Tetrachloro-m-xylene	*73*		*56 - 114*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 320-80878-17 MS
Matrix: Solid
Analysis Batch: 543551

Client Sample ID: AOC2-S12-0.5
Prep Type: Total/NA
Prep Batch: 539050

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		64.1	39.5		ug/Kg		62	58 - 124
PCB-1260	ND	F1	64.1	33.8	F1	ug/Kg		53	55 - 138

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*64*		*52 - 138*
Tetrachloro-m-xylene	*61*		*56 - 114*

Lab Sample ID: 320-80878-17 MSD
Matrix: Solid
Analysis Batch: 543551

Client Sample ID: AOC2-S12-0.5
Prep Type: Total/NA
Prep Batch: 539050

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		65.2	39.7		ug/Kg		61	58 - 124	1	20
PCB-1260	ND	F1	65.2	33.9	F1	ug/Kg		52	55 - 138	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*54*		*52 - 138*
Tetrachloro-m-xylene	*56*		*56 - 114*

Lab Sample ID: MB 320-539070/1-A
Matrix: Solid
Analysis Batch: 543265

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.6	ug/Kg		11/02/21 06:48	11/16/21 17:17	1
PCB-1221	ND		33	3.6	ug/Kg		11/02/21 06:48	11/16/21 17:17	1
PCB-1232	ND		33	4.8	ug/Kg		11/02/21 06:48	11/16/21 17:17	1
PCB-1242	ND		33	5.9	ug/Kg		11/02/21 06:48	11/16/21 17:17	1
PCB-1248	ND		33	2.4	ug/Kg		11/02/21 06:48	11/16/21 17:17	1
PCB-1254	ND		33	3.8	ug/Kg		11/02/21 06:48	11/16/21 17:17	1
PCB-1260	ND		33	2.7	ug/Kg		11/02/21 06:48	11/16/21 17:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*52 - 138*	*11/02/21 06:48*	*11/16/21 17:17*	*1*
Tetrachloro-m-xylene	*92*		*56 - 114*	*11/02/21 06:48*	*11/16/21 17:17*	*1*

Lab Sample ID: LCS 320-539070/2-A
Matrix: Solid
Analysis Batch: 543265

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539070

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016			66.7	64.5		ug/Kg		97	58 - 124
PCB-1260			66.7	61.3		ug/Kg		92	55 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*87*		*52 - 138*
Tetrachloro-m-xylene	*89*		*56 - 114*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 320-80878-31 MS
Matrix: Solid
Analysis Batch: 543265

Client Sample ID: AOC3-S2B-0.5
Prep Type: Total/NA
Prep Batch: 539070

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND	F2	64.1	53.8		ug/Kg		84	58 - 124
PCB-1260	ND		64.1	50.0		ug/Kg		78	55 - 138

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*94*		*52 - 138*
Tetrachloro-m-xylene	*89*		*56 - 114*

Lab Sample ID: 320-80878-31 MSD
Matrix: Solid
Analysis Batch: 543265

Client Sample ID: AOC3-S2B-0.5
Prep Type: Total/NA
Prep Batch: 539070

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND	F2	66.2	43.0	F2	ug/Kg		65	58 - 124	22	20
PCB-1260	ND		66.2	52.0		ug/Kg		79	55 - 138	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*68*		*52 - 138*
Tetrachloro-m-xylene	*67*		*56 - 114*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-191547/1-A
Matrix: Water
Analysis Batch: 191812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191547

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.010	0.0058	mg/L		11/03/21 16:24	11/04/21 11:15	1
Arsenic	ND		0.10	0.022	mg/L		11/03/21 16:24	11/04/21 11:15	1
Barium	ND		0.010	0.0016	mg/L		11/03/21 16:24	11/04/21 11:15	1
Beryllium	ND		0.010	0.0026	mg/L		11/03/21 16:24	11/04/21 11:15	1
Cadmium	ND		0.010	0.0012	mg/L		11/03/21 16:24	11/04/21 11:15	1
Cobalt	ND		0.050	0.0023	mg/L		11/03/21 16:24	11/04/21 11:15	1
Chromium	ND		0.050	0.0086	mg/L		11/03/21 16:24	11/04/21 11:15	1
Copper	ND		0.050	0.0085	mg/L		11/03/21 16:24	11/04/21 11:15	1
Molybdenum	ND		0.050	0.024	mg/L		11/03/21 16:24	11/04/21 11:15	1
Nickel	ND		0.050	0.0045	mg/L		11/03/21 16:24	11/04/21 11:15	1
Antimony	ND		0.10	0.021	mg/L		11/03/21 16:24	11/04/21 11:15	1
Selenium	ND		0.10	0.034	mg/L		11/03/21 16:24	11/04/21 11:15	1
Thallium	ND		0.050	0.019	mg/L		11/03/21 16:24	11/04/21 11:15	1
Vanadium	ND		0.010	0.0017	mg/L		11/03/21 16:24	11/04/21 11:15	1
Zinc	ND		0.25	0.014	mg/L		11/03/21 16:24	11/04/21 11:15	1
Lead	ND		0.050	0.0080	mg/L		11/03/21 16:24	11/04/21 11:15	1

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

Lab Sample ID: LCS 570-191547/2-A
Matrix: Water
Analysis Batch: 191812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191547

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.250	0.232		mg/L		93	80 - 120
Arsenic	0.500	0.458		mg/L		92	80 - 120
Barium	0.500	0.560		mg/L		112	80 - 120
Beryllium	0.500	0.514		mg/L		103	80 - 120
Cadmium	0.500	0.529		mg/L		106	80 - 120
Cobalt	0.500	0.517		mg/L		103	80 - 120
Chromium	0.500	0.526		mg/L		105	80 - 120
Copper	0.500	0.564		mg/L		113	80 - 120
Molybdenum	0.501	0.504		mg/L		101	80 - 120
Nickel	0.500	0.544		mg/L		109	80 - 120
Antimony	0.500	0.519		mg/L		104	80 - 120
Selenium	0.500	0.496		mg/L		99	80 - 120
Thallium	0.500	0.524		mg/L		105	80 - 120
Vanadium	0.500	0.520		mg/L		104	80 - 120
Zinc	0.500	0.520		mg/L		104	80 - 120
Lead	0.500	0.534		mg/L		107	80 - 120

Lab Sample ID: LCSD 570-191547/3-A
Matrix: Water
Analysis Batch: 191812

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 191547

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	0.250	0.230		mg/L		92	80 - 120	1	20
Arsenic	0.500	0.461		mg/L		92	80 - 120	1	20
Barium	0.500	0.563		mg/L		113	80 - 120	0	20
Beryllium	0.500	0.513		mg/L		103	80 - 120	0	20
Cadmium	0.500	0.524		mg/L		105	80 - 120	1	20
Cobalt	0.500	0.514		mg/L		103	80 - 120	1	20
Chromium	0.500	0.525		mg/L		105	80 - 120	0	20
Copper	0.500	0.565		mg/L		113	80 - 120	0	20
Molybdenum	0.501	0.509		mg/L		102	80 - 120	1	20
Nickel	0.500	0.540		mg/L		108	80 - 120	1	20
Antimony	0.500	0.513		mg/L		103	80 - 120	1	20
Selenium	0.500	0.509		mg/L		102	80 - 120	2	20
Thallium	0.500	0.520		mg/L		104	80 - 120	1	20
Vanadium	0.500	0.520		mg/L		104	80 - 120	0	20
Zinc	0.500	0.514		mg/L		103	80 - 120	1	20
Lead	0.500	0.530		mg/L		106	80 - 120	1	20

Lab Sample ID: MB 570-192668/1-A
Matrix: Solid
Analysis Batch: 192971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192668

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.22	mg/Kg		11/08/21 15:30	11/09/21 12:04	1
Arsenic	ND		2.5	2.3	mg/Kg		11/08/21 15:30	11/09/21 12:04	1
Barium	ND		0.50	0.22	mg/Kg		11/08/21 15:30	11/09/21 12:04	1
Beryllium	ND		0.25	0.17	mg/Kg		11/08/21 15:30	11/09/21 12:04	1
Cadmium	ND		0.50	0.20	mg/Kg		11/08/21 15:30	11/09/21 12:04	1

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

Lab Sample ID: MB 570-192668/1-A
Matrix: Solid
Analysis Batch: 192971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192668

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		1.0	0.23	mg/Kg		11/08/21 15:30	11/09/21 12:04	1
Chromium	ND		1.0	0.17	mg/Kg		11/08/21 15:30	11/09/21 12:04	1
Copper	ND		1.0	0.50	mg/Kg		11/08/21 15:30	11/09/21 12:04	1
Molybdenum	ND		0.50	0.45	mg/Kg		11/08/21 15:30	11/09/21 12:04	1
Nickel	ND		0.50	0.43	mg/Kg		11/08/21 15:30	11/09/21 12:04	1
Antimony	ND		3.0	1.3	mg/Kg		11/08/21 15:30	11/09/21 12:04	1
Selenium	ND		5.0	1.8	mg/Kg		11/08/21 15:30	11/09/21 12:04	1
Thallium	ND		5.0	1.5	mg/Kg		11/08/21 15:30	11/09/21 12:04	1
Vanadium	ND		1.0	0.17	mg/Kg		11/08/21 15:30	11/09/21 12:04	1
Zinc	ND		10	5.1	mg/Kg		11/08/21 15:30	11/09/21 12:04	1
Lead	ND		5.0	0.96	mg/Kg		11/08/21 15:30	11/09/21 12:04	1

Lab Sample ID: LCS 570-192668/2-A
Matrix: Solid
Analysis Batch: 192971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192668

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	12.5	12.2		mg/Kg		98	80 - 120
Arsenic	25.0	23.1		mg/Kg		92	80 - 120
Barium	25.0	29.2		mg/Kg		117	80 - 120
Beryllium	25.0	28.4		mg/Kg		114	80 - 120
Cadmium	25.0	25.9		mg/Kg		104	80 - 120
Cobalt	25.0	29.4		mg/Kg		117	80 - 120
Chromium	25.0	29.1		mg/Kg		117	80 - 120
Copper	25.0	25.6		mg/Kg		102	80 - 120
Molybdenum	25.0	25.2		mg/Kg		101	80 - 120
Nickel	25.0	25.4		mg/Kg		101	80 - 120
Antimony	25.0	26.4		mg/Kg		106	80 - 120
Selenium	25.0	24.4		mg/Kg		98	80 - 120
Thallium	25.0	27.1		mg/Kg		108	80 - 120
Vanadium	25.0	29.5		mg/Kg		118	80 - 120
Zinc	25.0	25.7		mg/Kg		103	80 - 120
Lead	25.0	25.5		mg/Kg		102	80 - 120

Lab Sample ID: LCSD 570-192668/3-A
Matrix: Solid
Analysis Batch: 192971

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 192668

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	12.6	12.3		mg/Kg		98	80 - 120	1	20
Arsenic	25.1	24.0		mg/Kg		95	80 - 120	4	20
Barium	25.1	29.7		mg/Kg		118	80 - 120	2	20
Beryllium	25.1	28.4		mg/Kg		113	80 - 120	0	20
Cadmium	25.1	26.6		mg/Kg		106	80 - 120	3	20
Cobalt	25.1	29.6		mg/Kg		118	80 - 120	1	20
Chromium	25.1	29.0		mg/Kg		116	80 - 120	0	20
Copper	25.1	26.3		mg/Kg		105	80 - 120	3	20
Molybdenum	25.2	26.0		mg/Kg		103	80 - 120	3	20
Nickel	25.1	25.4		mg/Kg		101	80 - 120	0	20

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

Lab Sample ID: LCSD 570-192668/3-A
Matrix: Solid
Analysis Batch: 192971

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 192668

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony			25.1	27.4		mg/Kg		109	80 - 120	4	20
Selenium			25.1	25.3		mg/Kg		101	80 - 120	4	20
Thallium			25.1	28.2		mg/Kg		112	80 - 120	4	20
Vanadium			25.1	29.6		mg/Kg		118	80 - 120	0	20
Zinc			25.1	26.6		mg/Kg		106	80 - 120	3	20
Lead			25.1	26.4		mg/Kg		105	80 - 120	3	20

Lab Sample ID: MB 320-538272/1-A
Matrix: Solid
Analysis Batch: 538932

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 538272

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	1.3	mg/Kg		10/29/21 13:31	11/01/21 12:25	1

Lab Sample ID: MB 320-538272/1-A
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 538272

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.26	mg/Kg		10/29/21 13:31	11/02/21 14:34	1

Lab Sample ID: LCS 320-538272/2-A
Matrix: Solid
Analysis Batch: 538932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538272

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			50.0	43.2		mg/Kg		86	80 - 120		

Lab Sample ID: LCS 320-538272/2-A
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538272

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			25.0	22.7		mg/Kg		91	80 - 120		

Lab Sample ID: 320-80878-8 MS
Matrix: Solid
Analysis Batch: 538932

Client Sample ID: AOC1-S6-0.5
Prep Type: Total/NA
Prep Batch: 538272

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	3.8		48.1	44.7		mg/Kg		85	80 - 120		

Lab Sample ID: 320-80878-8 MS
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: AOC1-S6-0.5
Prep Type: Total/NA
Prep Batch: 538272

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	140		24.0	141	4	mg/Kg		22	80 - 120		

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

Lab Sample ID: 320-80878-8 MSD
Matrix: Solid
Analysis Batch: 538932

Client Sample ID: AOC1-S6-0.5
Prep Type: Total/NA
Prep Batch: 538272

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	3.8		47.6	47.0		mg/Kg		91	80 - 120	5	35

Lab Sample ID: 320-80878-8 MSD
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: AOC1-S6-0.5
Prep Type: Total/NA
Prep Batch: 538272

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	140		23.8	157	4	mg/Kg		90	80 - 120	11	35

Lab Sample ID: MB 320-538278/1-A
Matrix: Solid
Analysis Batch: 539348

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 538278

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.26	mg/Kg		10/29/21 13:31	11/02/21 09:29	1
Arsenic	ND		2.0	1.3	mg/Kg		10/29/21 13:31	11/02/21 09:29	1

Lab Sample ID: LCS 320-538278/2-A
Matrix: Solid
Analysis Batch: 539348

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538278

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	25.0	23.2		mg/Kg		93	80 - 120
Arsenic	50.0	42.9		mg/Kg		86	80 - 120

Lab Sample ID: 320-80878-1 MS
Matrix: Solid
Analysis Batch: 539348

Client Sample ID: AOC1-S3-0.5
Prep Type: Total/NA
Prep Batch: 538278

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	250		12.6	258	4	mg/Kg		73	80 - 120
Arsenic	3.3		25.1	24.1		mg/Kg		83	80 - 120

Lab Sample ID: 320-80878-1 MSD
Matrix: Solid
Analysis Batch: 539348

Client Sample ID: AOC1-S3-0.5
Prep Type: Total/NA
Prep Batch: 538278

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	250		12.4	259	4	mg/Kg		82	80 - 120	0	35
Arsenic	3.3		24.9	24.0		mg/Kg		83	80 - 120	0	35

Lab Sample ID: MB 320-538884/1-A
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 538884

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.260	J	1.0	0.26	mg/Kg		11/01/21 13:39	11/02/21 12:13	1
Arsenic	ND		2.0	1.3	mg/Kg		11/01/21 13:39	11/02/21 12:13	1

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

Lab Sample ID: LCS 320-538884/2-A
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538884

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	25.0	23.7		mg/Kg		95	80 - 120
Arsenic	50.0	44.7		mg/Kg		89	80 - 120

Lab Sample ID: 320-80878-27 MS
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: AOC3-S1B-0.5
Prep Type: Total/NA
Prep Batch: 538884

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	120	F2 B	24.0	141	4	mg/Kg		102	80 - 120
Arsenic	5.6		48.1	45.2		mg/Kg		82	80 - 120

Lab Sample ID: 320-80878-27 MSD
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: AOC3-S1B-0.5
Prep Type: Total/NA
Prep Batch: 538884

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	120	F2 B	25.0	208	4 F2	mg/Kg		365	80 - 120	38	35
Arsenic	5.6		50.0	47.7		mg/Kg		84	80 - 120	5	35

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 570-192675/1-A
Matrix: Water
Analysis Batch: 192900

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192675

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00050	0.00014	mg/L		11/08/21 15:39	11/09/21 11:15	1

Lab Sample ID: LCS 570-192675/2-A
Matrix: Water
Analysis Batch: 192900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192675

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0100	0.00963		mg/L		96	80 - 120

Lab Sample ID: LCSD 570-192675/3-A
Matrix: Water
Analysis Batch: 192900

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 192675

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0100	0.00969		mg/L		97	80 - 120	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-192581/1-A
Matrix: Solid
Analysis Batch: 192620

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192581

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.083	0.014	mg/Kg		11/08/21 11:07	11/08/21 16:12	1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 570-192581/2-A
Matrix: Solid
Analysis Batch: 192620

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192581

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.847	0.862		mg/Kg		102	85 - 121		

Lab Sample ID: LCSD 570-192581/3-A
Matrix: Solid
Analysis Batch: 192620

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 192581

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.820	0.824		mg/Kg		101	85 - 121	4	10

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Prep Batch: 191082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-35	EB10262021	Total/NA	Water	3510C	
MB 570-191082/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-191082/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 570-191082/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-191082/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 570-191082/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 191324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-35	EB10262021	Total/NA	Water	8081A	191082
MB 570-191082/1-A	Method Blank	Total/NA	Water	8081A	191082
LCS 570-191082/2-A	Lab Control Sample	Total/NA	Water	8081A	191082
LCSD 570-191082/3-A	Lab Control Sample Dup	Total/NA	Water	8081A	191082

Analysis Batch: 191413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-35	EB10262021	Total/NA	Water	8082	191082
MB 570-191082/1-A	Method Blank	Total/NA	Water	8082	191082
LCS 570-191082/4-A	Lab Control Sample	Total/NA	Water	8082	191082
LCSD 570-191082/5-A	Lab Control Sample Dup	Total/NA	Water	8082	191082

Prep Batch: 537878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-25	AOC3/AOC8-S1A-0.5	Total/NA	Solid	3546	
MB 320-537878/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-537878/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-80878-25 MS	AOC3/AOC8-S1A-0.5	Total/NA	Solid	3546	
320-80878-25 MSD	AOC3/AOC8-S1A-0.5	Total/NA	Solid	3546	

Analysis Batch: 538396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-25	AOC3/AOC8-S1A-0.5	Total/NA	Solid	8081A	537878
MB 320-537878/1-A	Method Blank	Total/NA	Solid	8081A	537878
LCS 320-537878/2-A	Lab Control Sample	Total/NA	Solid	8081A	537878
320-80878-25 MS	AOC3/AOC8-S1A-0.5	Total/NA	Solid	8081A	537878
320-80878-25 MSD	AOC3/AOC8-S1A-0.5	Total/NA	Solid	8081A	537878

Prep Batch: 539048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-1	AOC1-S3-0.5	Total/NA	Solid	3546	
320-80878-2	AOC1-S3-2	Total/NA	Solid	3546	
320-80878-3	AOC1/AOC8-S4-0.5	Total/NA	Solid	3546	
320-80878-4	AOC1/AOC8-S4-0.5DUP	Total/NA	Solid	3546	
320-80878-5	AOC1/AOC8-S4-2	Total/NA	Solid	3546	
320-80878-6	AOC1/AOC2-S5-0.5	Total/NA	Solid	3546	
320-80878-7	AOC1/AOC2-S5-2	Total/NA	Solid	3546	
320-80878-8	AOC1-S6-0.5	Total/NA	Solid	3546	
320-80878-9	AOC1-S6-2	Total/NA	Solid	3546	
320-80878-10	AOC1/AOC7-S8-0.5	Total/NA	Solid	3546	
320-80878-11	AOC1/AOC7-S8-2	Total/NA	Solid	3546	
320-80878-12	AOC1/AOC7-S8-2DUP	Total/NA	Solid	3546	

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Prep Batch: 539048 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-13	AOC1/AOC8-S10-0.5	Total/NA	Solid	3546	
320-80878-14	AOC1/AOC8-S10-2	Total/NA	Solid	3546	
320-80878-15	AOC1-S11-0.5	Total/NA	Solid	3546	
320-80878-16	AOC1-S11-2	Total/NA	Solid	3546	
320-80878-17	AOC2-S12-0.5	Total/NA	Solid	3546	
MB 320-539048/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-539048/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-80878-16 MS	AOC1-S11-2	Total/NA	Solid	3546	
320-80878-16 MSD	AOC1-S11-2	Total/NA	Solid	3546	

Prep Batch: 539050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-1	AOC1-S3-0.5	Total/NA	Solid	3546	
320-80878-3	AOC1/AOC8-S4-0.5	Total/NA	Solid	3546	
320-80878-4	AOC1/AOC8-S4-0.5DUP	Total/NA	Solid	3546	
320-80878-6	AOC1/AOC2-S5-0.5	Total/NA	Solid	3546	
320-80878-8	AOC1-S6-0.5	Total/NA	Solid	3546	
320-80878-10	AOC1/AOC7-S8-0.5	Total/NA	Solid	3546	
320-80878-13	AOC1/AOC8-S10-0.5	Total/NA	Solid	3546	
320-80878-15	AOC1-S11-0.5	Total/NA	Solid	3546	
320-80878-17	AOC2-S12-0.5	Total/NA	Solid	3546	
MB 320-539050/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-539050/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-80878-17 MS	AOC2-S12-0.5	Total/NA	Solid	3546	
320-80878-17 MSD	AOC2-S12-0.5	Total/NA	Solid	3546	

Prep Batch: 539069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-18	AOC2-S12-0.5DUP	Total/NA	Solid	3546	
320-80878-19	AOC2-S12-2	Total/NA	Solid	3546	
320-80878-20	AOC2-S12-2DUP	Total/NA	Solid	3546	
320-80878-21	AOC2/AOC3-S13/S3I-0.5	Total/NA	Solid	3546	
320-80878-22	AOC2/AOC3-S13/S3I-2	Total/NA	Solid	3546	
320-80878-23	AOC2-S14-0.5	Total/NA	Solid	3546	
320-80878-24	AOC2-S14-2	Total/NA	Solid	3546	
320-80878-26	AOC3/AOC8-S1A-2	Total/NA	Solid	3546	
320-80878-27	AOC3-S1B-0.5	Total/NA	Solid	3546	
320-80878-28	AOC3-S1B-2	Total/NA	Solid	3546	
320-80878-29	AOC3-S1C-0.5	Total/NA	Solid	3546	
320-80878-30	AOC3-S1C-2	Total/NA	Solid	3546	
320-80878-31	AOC3-S2B-0.5	Total/NA	Solid	3546	
320-80878-32	AOC3-S2B-2	Total/NA	Solid	3546	
320-80878-33	AOC3-S2C-0.5	Total/NA	Solid	3546	
320-80878-34	AOC3-S2C-2	Total/NA	Solid	3546	
MB 320-539069/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-539069/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-80878-33 MS	AOC3-S2C-0.5	Total/NA	Solid	3546	
320-80878-33 MSD	AOC3-S2C-0.5	Total/NA	Solid	3546	

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Prep Batch: 539070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-18	AOC2-S12-0.5DUP	Total/NA	Solid	3546	
320-80878-21	AOC2/AOC3-S13/S3I-0.5	Total/NA	Solid	3546	
320-80878-23	AOC2-S14-0.5	Total/NA	Solid	3546	
320-80878-25	AOC3/AOC8-S1A-0.5	Total/NA	Solid	3546	
320-80878-27	AOC3-S1B-0.5	Total/NA	Solid	3546	
320-80878-29	AOC3-S1C-0.5	Total/NA	Solid	3546	
320-80878-31	AOC3-S2B-0.5	Total/NA	Solid	3546	
320-80878-33	AOC3-S2C-0.5	Total/NA	Solid	3546	
MB 320-539070/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-539070/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-80878-31 MS	AOC3-S2B-0.5	Total/NA	Solid	3546	
320-80878-31 MSD	AOC3-S2B-0.5	Total/NA	Solid	3546	

Analysis Batch: 540922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-18	AOC2-S12-0.5DUP	Total/NA	Solid	8081A	539069
320-80878-19	AOC2-S12-2	Total/NA	Solid	8081A	539069
320-80878-20	AOC2-S12-2DUP	Total/NA	Solid	8081A	539069
320-80878-21	AOC2/AOC3-S13/S3I-0.5	Total/NA	Solid	8081A	539069
320-80878-22	AOC2/AOC3-S13/S3I-2	Total/NA	Solid	8081A	539069
320-80878-23	AOC2-S14-0.5	Total/NA	Solid	8081A	539069
320-80878-24	AOC2-S14-2	Total/NA	Solid	8081A	539069
320-80878-26	AOC3/AOC8-S1A-2	Total/NA	Solid	8081A	539069
320-80878-27	AOC3-S1B-0.5	Total/NA	Solid	8081A	539069
320-80878-28	AOC3-S1B-2	Total/NA	Solid	8081A	539069
320-80878-29	AOC3-S1C-0.5	Total/NA	Solid	8081A	539069
320-80878-30	AOC3-S1C-2	Total/NA	Solid	8081A	539069
320-80878-31	AOC3-S2B-0.5	Total/NA	Solid	8081A	539069
320-80878-32	AOC3-S2B-2	Total/NA	Solid	8081A	539069
320-80878-33	AOC3-S2C-0.5	Total/NA	Solid	8081A	539069
320-80878-34	AOC3-S2C-2	Total/NA	Solid	8081A	539069
LCS 320-539069/2-A	Lab Control Sample	Total/NA	Solid	8081A	539069
320-80878-33 MS	AOC3-S2C-0.5	Total/NA	Solid	8081A	539069
320-80878-33 MSD	AOC3-S2C-0.5	Total/NA	Solid	8081A	539069

Analysis Batch: 541246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-1	AOC1-S3-0.5	Total/NA	Solid	8081A	539048
320-80878-2	AOC1-S3-2	Total/NA	Solid	8081A	539048
320-80878-3	AOC1/AOC8-S4-0.5	Total/NA	Solid	8081A	539048
320-80878-4	AOC1/AOC8-S4-0.5DUP	Total/NA	Solid	8081A	539048
320-80878-5	AOC1/AOC8-S4-2	Total/NA	Solid	8081A	539048
320-80878-6	AOC1/AOC2-S5-0.5	Total/NA	Solid	8081A	539048
320-80878-7	AOC1/AOC2-S5-2	Total/NA	Solid	8081A	539048
320-80878-8	AOC1-S6-0.5	Total/NA	Solid	8081A	539048
320-80878-9	AOC1-S6-2	Total/NA	Solid	8081A	539048
320-80878-10	AOC1/AOC7-S8-0.5	Total/NA	Solid	8081A	539048
320-80878-11	AOC1/AOC7-S8-2	Total/NA	Solid	8081A	539048
320-80878-12	AOC1/AOC7-S8-2DUP	Total/NA	Solid	8081A	539048
320-80878-13	AOC1/AOC8-S10-0.5	Total/NA	Solid	8081A	539048
320-80878-14	AOC1/AOC8-S10-2	Total/NA	Solid	8081A	539048

GC Semi VOA (Continued)

Analysis Batch: 541246 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-15	AOC1-S11-0.5	Total/NA	Solid	8081A	539048
320-80878-16	AOC1-S11-2	Total/NA	Solid	8081A	539048
320-80878-17	AOC2-S12-0.5	Total/NA	Solid	8081A	539048
MB 320-539048/1-A	Method Blank	Total/NA	Solid	8081A	539048
MB 320-539069/1-A	Method Blank	Total/NA	Solid	8081A	539069
LCS 320-539048/2-A	Lab Control Sample	Total/NA	Solid	8081A	539048
320-80878-16 MS	AOC1-S11-2	Total/NA	Solid	8081A	539048
320-80878-16 MSD	AOC1-S11-2	Total/NA	Solid	8081A	539048

Analysis Batch: 543265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-18	AOC2-S12-0.5DUP	Total/NA	Solid	8082	539070
320-80878-21	AOC2/AOC3-S13/S3I-0.5	Total/NA	Solid	8082	539070
320-80878-23	AOC2-S14-0.5	Total/NA	Solid	8082	539070
320-80878-25	AOC3/AOC8-S1A-0.5	Total/NA	Solid	8082	539070
320-80878-27	AOC3-S1B-0.5	Total/NA	Solid	8082	539070
320-80878-29	AOC3-S1C-0.5	Total/NA	Solid	8082	539070
320-80878-31	AOC3-S2B-0.5	Total/NA	Solid	8082	539070
320-80878-33	AOC3-S2C-0.5	Total/NA	Solid	8082	539070
MB 320-539070/1-A	Method Blank	Total/NA	Solid	8082	539070
LCS 320-539070/2-A	Lab Control Sample	Total/NA	Solid	8082	539070
320-80878-31 MS	AOC3-S2B-0.5	Total/NA	Solid	8082	539070
320-80878-31 MSD	AOC3-S2B-0.5	Total/NA	Solid	8082	539070

Analysis Batch: 543551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-1	AOC1-S3-0.5	Total/NA	Solid	8082	539050
320-80878-3	AOC1/AOC8-S4-0.5	Total/NA	Solid	8082	539050
320-80878-4	AOC1/AOC8-S4-0.5DUP	Total/NA	Solid	8082	539050
320-80878-6	AOC1/AOC2-S5-0.5	Total/NA	Solid	8082	539050
320-80878-8	AOC1-S6-0.5	Total/NA	Solid	8082	539050
320-80878-10	AOC1/AOC7-S8-0.5	Total/NA	Solid	8082	539050
320-80878-13	AOC1/AOC8-S10-0.5	Total/NA	Solid	8082	539050
320-80878-15	AOC1-S11-0.5	Total/NA	Solid	8082	539050
320-80878-17	AOC2-S12-0.5	Total/NA	Solid	8082	539050
MB 320-539050/1-A	Method Blank	Total/NA	Solid	8082	539050
LCS 320-539050/2-A	Lab Control Sample	Total/NA	Solid	8082	539050
320-80878-17 MS	AOC2-S12-0.5	Total/NA	Solid	8082	539050
320-80878-17 MSD	AOC2-S12-0.5	Total/NA	Solid	8082	539050

Metals

Prep Batch: 191547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-35	EB10262021	Total/NA	Water	3010A	
MB 570-191547/1-A	Method Blank	Total/NA	Water	3010A	
LCS 570-191547/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 570-191547/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Metals

Analysis Batch: 191812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-191547/1-A	Method Blank	Total/NA	Water	6010B	191547
LCS 570-191547/2-A	Lab Control Sample	Total/NA	Water	6010B	191547
LCSD 570-191547/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	191547

Prep Batch: 192581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-25	AOC3/AOC8-S1A-0.5	Total/NA	Solid	7471A	
MB 570-192581/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-192581/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-192581/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Analysis Batch: 192618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-25	AOC3/AOC8-S1A-0.5	Total/NA	Solid	7471A	192581

Analysis Batch: 192620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-192581/1-A	Method Blank	Total/NA	Solid	7471A	192581
LCS 570-192581/2-A	Lab Control Sample	Total/NA	Solid	7471A	192581
LCSD 570-192581/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	192581

Prep Batch: 192668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-25	AOC3/AOC8-S1A-0.5	Total/NA	Solid	3050B	
MB 570-192668/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-192668/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-192668/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	

Prep Batch: 192675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-35	EB10262021	Total/NA	Water	7470A	
MB 570-192675/1-A	Method Blank	Total/NA	Water	7470A	
LCS 570-192675/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 570-192675/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Analysis Batch: 192900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-35	EB10262021	Total/NA	Water	7470A	192675
MB 570-192675/1-A	Method Blank	Total/NA	Water	7470A	192675
LCS 570-192675/2-A	Lab Control Sample	Total/NA	Water	7470A	192675
LCSD 570-192675/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	192675

Analysis Batch: 192971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-25	AOC3/AOC8-S1A-0.5	Total/NA	Solid	6010B	192668
MB 570-192668/1-A	Method Blank	Total/NA	Solid	6010B	192668
LCS 570-192668/2-A	Lab Control Sample	Total/NA	Solid	6010B	192668
LCSD 570-192668/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	192668

Metals

Analysis Batch: 192986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-35	EB10262021	Total/NA	Water	6010B	191547

Prep Batch: 538272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-8	AOC1-S6-0.5	Total/NA	Solid	3050B	
320-80878-10	AOC1/AOC7-S8-0.5	Total/NA	Solid	3050B	
320-80878-13	AOC1/AOC8-S10-0.5	Total/NA	Solid	3050B	
320-80878-15	AOC1-S11-0.5	Total/NA	Solid	3050B	
320-80878-17	AOC2-S12-0.5	Total/NA	Solid	3050B	
320-80878-18	AOC2-S12-0.5DUP	Total/NA	Solid	3050B	
320-80878-21	AOC2/AOC3-S13/S3I-0.5	Total/NA	Solid	3050B	
320-80878-23	AOC2-S14-0.5	Total/NA	Solid	3050B	
MB 320-538272/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-538272/2-A	Lab Control Sample	Total/NA	Solid	3050B	
320-80878-8 MS	AOC1-S6-0.5	Total/NA	Solid	3050B	
320-80878-8 MSD	AOC1-S6-0.5	Total/NA	Solid	3050B	

Prep Batch: 538278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-1	AOC1-S3-0.5	Total/NA	Solid	3050B	
320-80878-3	AOC1/AOC8-S4-0.5	Total/NA	Solid	3050B	
320-80878-4	AOC1/AOC8-S4-0.5DUP	Total/NA	Solid	3050B	
320-80878-6	AOC1/AOC2-S5-0.5	Total/NA	Solid	3050B	
MB 320-538278/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-538278/2-A	Lab Control Sample	Total/NA	Solid	3050B	
320-80878-1 MS	AOC1-S3-0.5	Total/NA	Solid	3050B	
320-80878-1 MSD	AOC1-S3-0.5	Total/NA	Solid	3050B	

Prep Batch: 538884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-27	AOC3-S1B-0.5	Total/NA	Solid	3050B	
320-80878-29	AOC3-S1C-0.5	Total/NA	Solid	3050B	
320-80878-31	AOC3-S2B-0.5	Total/NA	Solid	3050B	
320-80878-33	AOC3-S2C-0.5	Total/NA	Solid	3050B	
MB 320-538884/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-538884/2-A	Lab Control Sample	Total/NA	Solid	3050B	
320-80878-27 MS	AOC3-S1B-0.5	Total/NA	Solid	3050B	
320-80878-27 MSD	AOC3-S1B-0.5	Total/NA	Solid	3050B	

Analysis Batch: 538932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-8	AOC1-S6-0.5	Total/NA	Solid	6010B	538272
320-80878-10	AOC1/AOC7-S8-0.5	Total/NA	Solid	6010B	538272
320-80878-13	AOC1/AOC8-S10-0.5	Total/NA	Solid	6010B	538272
320-80878-15	AOC1-S11-0.5	Total/NA	Solid	6010B	538272
320-80878-17	AOC2-S12-0.5	Total/NA	Solid	6010B	538272
320-80878-18	AOC2-S12-0.5DUP	Total/NA	Solid	6010B	538272
320-80878-21	AOC2/AOC3-S13/S3I-0.5	Total/NA	Solid	6010B	538272
320-80878-23	AOC2-S14-0.5	Total/NA	Solid	6010B	538272
MB 320-538272/1-A	Method Blank	Total/NA	Solid	6010B	538272
LCS 320-538272/2-A	Lab Control Sample	Total/NA	Solid	6010B	538272

Metals (Continued)

Analysis Batch: 538932 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-8 MS	AOC1-S6-0.5	Total/NA	Solid	6010B	538272
320-80878-8 MSD	AOC1-S6-0.5	Total/NA	Solid	6010B	538272

Analysis Batch: 539348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-1	AOC1-S3-0.5	Total/NA	Solid	6010B	538278
320-80878-3	AOC1/AOC8-S4-0.5	Total/NA	Solid	6010B	538278
320-80878-4	AOC1/AOC8-S4-0.5DUP	Total/NA	Solid	6010B	538278
320-80878-6	AOC1/AOC2-S5-0.5	Total/NA	Solid	6010B	538278
MB 320-538278/1-A	Method Blank	Total/NA	Solid	6010B	538278
LCS 320-538278/2-A	Lab Control Sample	Total/NA	Solid	6010B	538278
320-80878-1 MS	AOC1-S3-0.5	Total/NA	Solid	6010B	538278
320-80878-1 MSD	AOC1-S3-0.5	Total/NA	Solid	6010B	538278

Analysis Batch: 539464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-8	AOC1-S6-0.5	Total/NA	Solid	6010B	538272
320-80878-10	AOC1/AOC7-S8-0.5	Total/NA	Solid	6010B	538272
320-80878-13	AOC1/AOC8-S10-0.5	Total/NA	Solid	6010B	538272
320-80878-15	AOC1-S11-0.5	Total/NA	Solid	6010B	538272
320-80878-17	AOC2-S12-0.5	Total/NA	Solid	6010B	538272
320-80878-18	AOC2-S12-0.5DUP	Total/NA	Solid	6010B	538272
320-80878-21	AOC2/AOC3-S13/S3I-0.5	Total/NA	Solid	6010B	538272
320-80878-23	AOC2-S14-0.5	Total/NA	Solid	6010B	538272
320-80878-27	AOC3-S1B-0.5	Total/NA	Solid	6010B	538884
320-80878-29	AOC3-S1C-0.5	Total/NA	Solid	6010B	538884
320-80878-31	AOC3-S2B-0.5	Total/NA	Solid	6010B	538884
320-80878-33	AOC3-S2C-0.5	Total/NA	Solid	6010B	538884
MB 320-538272/1-A	Method Blank	Total/NA	Solid	6010B	538272
MB 320-538884/1-A	Method Blank	Total/NA	Solid	6010B	538884
LCS 320-538272/2-A	Lab Control Sample	Total/NA	Solid	6010B	538272
LCS 320-538884/2-A	Lab Control Sample	Total/NA	Solid	6010B	538884
320-80878-8 MS	AOC1-S6-0.5	Total/NA	Solid	6010B	538272
320-80878-8 MSD	AOC1-S6-0.5	Total/NA	Solid	6010B	538272
320-80878-27 MS	AOC3-S1B-0.5	Total/NA	Solid	6010B	538884
320-80878-27 MSD	AOC3-S1B-0.5	Total/NA	Solid	6010B	538884

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC1-S3-0.5

Lab Sample ID: 320-80878-1
Date Collected: 10/26/21 08:43
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.19 g	5 mL	539048	11/02/21 04:39	TL	TAL SAC
Total/NA	Analysis	8081A		2			541246	11/09/21 15:36	K1D	TAL SAC
Total/NA	Prep	3546			15.19 g	5 mL	539050	11/02/21 04:41	TL	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 15:01	K1D	TAL SAC
Total/NA	Prep	3050B			2.01 g	100 mL	538278	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			539348	11/02/21 09:37	GSH	TAL SAC

Client Sample ID: AOC1-S3-2

Lab Sample ID: 320-80878-2
Date Collected: 10/26/21 08:45
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	5 mL	539048	11/02/21 04:39	TL	TAL SAC
Total/NA	Analysis	8081A		1			541246	11/09/21 15:55	K1D	TAL SAC

Client Sample ID: AOC1/AOC8-S4-0.5

Lab Sample ID: 320-80878-3
Date Collected: 10/26/21 08:52
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.62 g	5 mL	539048	11/02/21 04:39	TL	TAL SAC
Total/NA	Analysis	8081A		5			541246	11/09/21 16:14	K1D	TAL SAC
Total/NA	Prep	3546			15.62 g	5 mL	539050	11/02/21 04:41	TL	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 15:21	K1D	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	538278	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			539348	11/02/21 09:56	GSH	TAL SAC

Client Sample ID: AOC1/AOC8-S4-0.5DUP

Lab Sample ID: 320-80878-4
Date Collected: 10/26/21 08:52
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.99 g	5 mL	539048	11/02/21 04:39	TL	TAL SAC
Total/NA	Analysis	8081A		5			541246	11/09/21 16:33	K1D	TAL SAC
Total/NA	Prep	3546			15.99 g	5 mL	539050	11/02/21 04:41	TL	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 15:42	K1D	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	538278	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			539348	11/02/21 10:00	GSH	TAL SAC

Client Sample ID: AOC1/AOC8-S4-2

Lab Sample ID: 320-80878-5
Date Collected: 10/26/21 08:54
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.27 g	5 mL	539048	11/02/21 04:39	TL	TAL SAC
Total/NA	Analysis	8081A		1			541246	11/09/21 16:52	K1D	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC1/AOC2-S5-0.5

Lab Sample ID: 320-80878-6
Matrix: Solid
Date Collected: 10/26/21 10:50
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.59 g	5 mL	539048	11/02/21 04:39	TL	TAL SAC
Total/NA	Analysis	8081A		10			541246	11/09/21 17:11	K1D	TAL SAC
Total/NA	Prep	3546			15.59 g	5 mL	539050	11/02/21 04:41	TL	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 16:02	K1D	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	538278	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			539348	11/02/21 10:04	GSH	TAL SAC

Client Sample ID: AOC1/AOC2-S5-2

Lab Sample ID: 320-80878-7
Matrix: Solid
Date Collected: 10/26/21 11:00
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.62 g	5 mL	539048	11/02/21 04:39	TL	TAL SAC
Total/NA	Analysis	8081A		1			541246	11/09/21 17:29	K1D	TAL SAC

Client Sample ID: AOC1-S6-0.5

Lab Sample ID: 320-80878-8
Matrix: Solid
Date Collected: 10/26/21 11:32
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.01 g	5 mL	539048	11/02/21 04:39	TL	TAL SAC
Total/NA	Analysis	8081A		10			541246	11/09/21 17:48	K1D	TAL SAC
Total/NA	Prep	3546			15.01 g	5 mL	539050	11/02/21 04:41	TL	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 16:23	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	538272	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			538932	11/01/21 12:32	SP	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	538272	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 14:42	GSH	TAL SAC

Client Sample ID: AOC1-S6-2

Lab Sample ID: 320-80878-9
Matrix: Solid
Date Collected: 10/26/21 11:35
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.07 g	5 mL	539048	11/02/21 04:39	TL	TAL SAC
Total/NA	Analysis	8081A		1			541246	11/09/21 18:07	K1D	TAL SAC

Client Sample ID: AOC1/AOC7-S8-0.5

Lab Sample ID: 320-80878-10
Matrix: Solid
Date Collected: 10/26/21 11:53
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.25 g	5 mL	539048	11/02/21 04:39	TL	TAL SAC
Total/NA	Analysis	8081A		10			541246	11/09/21 18:26	K1D	TAL SAC
Total/NA	Prep	3546			15.25 g	5 mL	539050	11/02/21 04:41	TL	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 16:43	K1D	TAL SAC

Client Sample ID: AOC1/AOC7-S8-0.5

Lab Sample ID: 320-80878-10

Date Collected: 10/26/21 11:53

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.01 g	100 mL	538272	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			538932	11/01/21 12:59	SP	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	538272	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 15:00	GSH	TAL SAC

Client Sample ID: AOC1/AOC7-S8-2

Lab Sample ID: 320-80878-11

Date Collected: 10/26/21 11:58

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.72 g	5 mL	539048	11/02/21 04:39	TL	TAL SAC
Total/NA	Analysis	8081A		2			541246	11/09/21 18:45	K1D	TAL SAC

Client Sample ID: AOC1/AOC7-S8-2DUP

Lab Sample ID: 320-80878-12

Date Collected: 10/26/21 11:58

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.22 g	5 mL	539048	11/02/21 04:39	TL	TAL SAC
Total/NA	Analysis	8081A		2			541246	11/09/21 19:04	K1D	TAL SAC

Client Sample ID: AOC1/AOC8-S10-0.5

Lab Sample ID: 320-80878-13

Date Collected: 10/26/21 12:57

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.20 g	5 mL	539048	11/02/21 04:39	TL	TAL SAC
Total/NA	Analysis	8081A		10			541246	11/09/21 19:23	K1D	TAL SAC
Total/NA	Prep	3546			15.20 g	5 mL	539050	11/02/21 04:41	TL	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 17:04	K1D	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	538272	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			538932	11/01/21 13:02	SP	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	538272	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 15:12	GSH	TAL SAC

Client Sample ID: AOC1/AOC8-S10-2

Lab Sample ID: 320-80878-14

Date Collected: 10/26/21 13:01

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.09 g	5 mL	539048	11/02/21 04:39	TL	TAL SAC
Total/NA	Analysis	8081A		1			541246	11/09/21 19:41	K1D	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC1-S11-0.5

Lab Sample ID: 320-80878-15

Date Collected: 10/26/21 09:16

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.54 g	5 mL	539048	11/02/21 04:39	TL	TAL SAC
Total/NA	Analysis	8081A		5			541246	11/09/21 20:00	K1D	TAL SAC
Total/NA	Prep	3546			15.54 g	5 mL	539050	11/02/21 04:41	TL	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 17:24	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	538272	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			538932	11/01/21 13:06	SP	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	538272	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 15:16	GSH	TAL SAC

Client Sample ID: AOC1-S11-2

Lab Sample ID: 320-80878-16

Date Collected: 10/26/21 09:18

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.32 g	5 mL	539048	11/02/21 04:39	TL	TAL SAC
Total/NA	Analysis	8081A		1			541246	11/09/21 20:19	K1D	TAL SAC

Client Sample ID: AOC2-S12-0.5

Lab Sample ID: 320-80878-17

Date Collected: 10/26/21 09:36

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.57 g	5 mL	539048	11/02/21 04:39	TL	TAL SAC
Total/NA	Analysis	8081A		10			541246	11/09/21 21:16	K1D	TAL SAC
Total/NA	Prep	3546			15.57 g	5 mL	539050	11/02/21 04:41	TL	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 17:45	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	538272	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			538932	11/01/21 13:10	SP	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	538272	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 15:19	GSH	TAL SAC

Client Sample ID: AOC2-S12-0.5DUP

Lab Sample ID: 320-80878-18

Date Collected: 10/26/21 09:36

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.80 g	5 mL	539069	11/02/21 06:18	NGK	TAL SAC
Total/NA	Analysis	8081A		5			540922	11/08/21 13:52	K1D	TAL SAC
Total/NA	Prep	3546			15.80 g	5 mL	539070	11/02/21 06:48	NGK	TAL SAC
Total/NA	Analysis	8082		1			543265	11/16/21 17:58	K1D	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	538272	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			538932	11/01/21 13:14	SP	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	538272	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 15:23	GSH	TAL SAC

Client Sample ID: AOC2-S12-2

Lab Sample ID: 320-80878-19

Date Collected: 10/26/21 09:41

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.15 g	5 mL	539069	11/02/21 06:18	NGK	TAL SAC
Total/NA	Analysis	8081A		1			540922	11/08/21 14:11	K1D	TAL SAC

Client Sample ID: AOC2-S12-2DUP

Lab Sample ID: 320-80878-20

Date Collected: 10/26/21 09:41

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.30 g	5 mL	539069	11/02/21 06:18	NGK	TAL SAC
Total/NA	Analysis	8081A		1			540922	11/08/21 14:30	K1D	TAL SAC

Client Sample ID: AOC2/AOC3-S13/S3I-0.5

Lab Sample ID: 320-80878-21

Date Collected: 10/26/21 10:02

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.41 g	5 mL	539069	11/02/21 06:18	NGK	TAL SAC
Total/NA	Analysis	8081A		2			540922	11/08/21 14:49	K1D	TAL SAC
Total/NA	Prep	3546			15.41 g	5 mL	539070	11/02/21 06:48	NGK	TAL SAC
Total/NA	Analysis	8082		1			543265	11/16/21 18:19	K1D	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	538272	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			538932	11/01/21 13:18	SP	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	538272	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 15:27	GSH	TAL SAC

Client Sample ID: AOC2/AOC3-S13/S3I-2

Lab Sample ID: 320-80878-22

Date Collected: 10/26/21 10:04

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.44 g	5 mL	539069	11/02/21 06:18	NGK	TAL SAC
Total/NA	Analysis	8081A		1			540922	11/08/21 15:08	K1D	TAL SAC

Client Sample ID: AOC2-S14-0.5

Lab Sample ID: 320-80878-23

Date Collected: 10/26/21 10:27

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.75 g	5 mL	539069	11/02/21 06:18	NGK	TAL SAC
Total/NA	Analysis	8081A		5			540922	11/08/21 15:27	K1D	TAL SAC
Total/NA	Prep	3546			15.75 g	5 mL	539070	11/02/21 06:48	NGK	TAL SAC
Total/NA	Analysis	8082		1			543265	11/16/21 18:39	K1D	TAL SAC
Total/NA	Prep	3050B			1.05 g	100 mL	538272	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			538932	11/01/21 13:21	SP	TAL SAC
Total/NA	Prep	3050B			1.05 g	100 mL	538272	10/29/21 13:31	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 15:31	GSH	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC2-S14-2
Lab Sample ID: 320-80878-24
Date Collected: 10/26/21 10:29
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.99 g	5 mL	539069	11/02/21 06:18	NGK	TAL SAC
Total/NA	Analysis	8081A		1			540922	11/08/21 15:46	K1D	TAL SAC

Client Sample ID: AOC3/AOC8-S1A-0.5
Lab Sample ID: 320-80878-25
Date Collected: 10/26/21 14:11
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.52 g	5 mL	537878	10/28/21 10:38	SJ	TAL SAC
Total/NA	Analysis	8081A		20			538396	10/29/21 23:14	K1D	TAL SAC
Total/NA	Prep	3546			15.90 g	5 mL	539070	11/02/21 06:48	NGK	TAL SAC
Total/NA	Analysis	8082		1			543265	11/16/21 19:00	K1D	TAL SAC
Total/NA	Prep	3050B			1.99 g	100 mL	192668	11/08/21 15:30	WL8G	ECL 1
Total/NA	Analysis	6010B		1			192971	11/09/21 12:48	ULPF	ECL 1
Total/NA	Prep	7471A			.63 g	100 mL	192581	11/08/21 11:07	WL8G	ECL 1
Total/NA	Analysis	7471A		1			192618	11/08/21 18:20	VWJ7	ECL 1

Client Sample ID: AOC3/AOC8-S1A-2
Lab Sample ID: 320-80878-26
Date Collected: 10/26/21 14:18
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.22 g	5 mL	539069	11/02/21 06:18	NGK	TAL SAC
Total/NA	Analysis	8081A		1			540922	11/08/21 16:24	K1D	TAL SAC

Client Sample ID: AOC3-S1B-0.5
Lab Sample ID: 320-80878-27
Date Collected: 10/26/21 14:24
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.74 g	5 mL	539069	11/02/21 06:18	NGK	TAL SAC
Total/NA	Analysis	8081A		20			540922	11/08/21 16:42	K1D	TAL SAC
Total/NA	Prep	3546			15.74 g	5 mL	539070	11/02/21 06:48	NGK	TAL SAC
Total/NA	Analysis	8082		1			543265	11/16/21 19:20	K1D	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	538884	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 12:21	GSH	TAL SAC

Client Sample ID: AOC3-S1B-2
Lab Sample ID: 320-80878-28
Date Collected: 10/26/21 14:26
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.81 g	5 mL	539069	11/02/21 06:18	NGK	TAL SAC
Total/NA	Analysis	8081A		2			540922	11/08/21 17:01	K1D	TAL SAC

Client Sample ID: AOC3-S1C-0.5
Lab Sample ID: 320-80878-29
Date Collected: 10/26/21 14:30
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.14 g	5 mL	539069	11/02/21 06:18	NGK	TAL SAC
Total/NA	Analysis	8081A		10			540922	11/08/21 17:20	K1D	TAL SAC
Total/NA	Prep	3546			15.14 g	5 mL	539070	11/02/21 06:48	NGK	TAL SAC
Total/NA	Analysis	8082		1			543265	11/16/21 19:41	K1D	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	538884	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 12:39	GSH	TAL SAC

Client Sample ID: AOC3-S1C-2
Lab Sample ID: 320-80878-30
Date Collected: 10/26/21 15:09
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.99 g	5 mL	539069	11/02/21 06:18	NGK	TAL SAC
Total/NA	Analysis	8081A		5			540922	11/08/21 17:39	K1D	TAL SAC

Client Sample ID: AOC3-S2B-0.5
Lab Sample ID: 320-80878-31
Date Collected: 10/26/21 14:51
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.98 g	5 mL	539069	11/02/21 06:18	NGK	TAL SAC
Total/NA	Analysis	8081A		10			540922	11/08/21 17:58	K1D	TAL SAC
Total/NA	Prep	3546			15.98 g	5 mL	539070	11/02/21 06:48	NGK	TAL SAC
Total/NA	Analysis	8082		1			543265	11/16/21 20:01	K1D	TAL SAC
Total/NA	Prep	3050B			1.04 g	100 mL	538884	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 12:43	GSH	TAL SAC

Client Sample ID: AOC3-S2B-2
Lab Sample ID: 320-80878-32
Date Collected: 10/26/21 14:54
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.91 g	5 mL	539069	11/02/21 06:18	NGK	TAL SAC
Total/NA	Analysis	8081A		2			540922	11/08/21 18:17	K1D	TAL SAC

Client Sample ID: AOC3-S2C-0.5
Lab Sample ID: 320-80878-33
Date Collected: 10/26/21 14:43
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.82 g	5 mL	539069	11/02/21 06:18	NGK	TAL SAC
Total/NA	Analysis	8081A		10			540922	11/08/21 18:36	K1D	TAL SAC
Total/NA	Prep	3546			15.82 g	5 mL	539070	11/02/21 06:48	NGK	TAL SAC
Total/NA	Analysis	8082		1			543265	11/16/21 21:03	K1D	TAL SAC
Total/NA	Prep	3050B			1.05 g	100 mL	538884	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 12:55	GSH	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Client Sample ID: AOC3-S2C-2

Lab Sample ID: 320-80878-34

Date Collected: 10/26/21 14:46

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.21 g	5 mL	539069	11/02/21 06:18	NGK	TAL SAC
Total/NA	Analysis	8081A		1			540922	11/08/21 19:32	K1D	TAL SAC

Client Sample ID: EB10262021

Lab Sample ID: 320-80878-35

Date Collected: 10/26/21 16:30

Matrix: Water

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1045.8 mL	5 mL	191082	11/02/21 10:26	H1SH	ECL 1
Total/NA	Analysis	8081A		1			191324	11/03/21 15:34	UHHN	ECL 1
Total/NA	Prep	3510C			1045.8 mL	5 mL	191082	11/02/21 10:26	H1SH	ECL 1
Total/NA	Analysis	8082		1			191413	11/03/21 13:07	UJ3K	ECL 1
Total/NA	Prep	3010A			50 mL	50 mL	191547	11/04/21 10:32	WL8G	ECL 1
Total/NA	Analysis	6010B		1			192986	11/09/21 12:32	ULPF	ECL 1
Total/NA	Prep	7470A			50 mL	100 mL	192675	11/08/21 15:39	WL8G	ECL 1
Total/NA	Analysis	7470A		1			192900	11/09/21 11:48	VWJ7	ECL 1

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-22

Laboratory: Eurofins Calscience LLC

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

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

Method Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Method	Method Description	Protocol	Laboratory
8081A	Organochlorine Pesticides (GC)	SW846	ECL 1
8081A	Organochlorine Pesticides (GC)	SW846	TAL SAC
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL SAC
6010B	Metals (ICP)	SW846	ECL 1
6010B	Metals (ICP)	SW846	TAL SAC
7470A	Mercury (CVAA)	SW846	ECL 1
7471A	Mercury (CVAA)	SW846	ECL 1
3010A	Preparation, Total Metals	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
3050B	Preparation, Metals	SW846	TAL SAC
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
3546	Microwave Extraction	SW846	TAL SAC
7470A	Preparation, Mercury	SW846	ECL 1
7471A	Preparation, Mercury	SW846	ECL 1

Protocol References:

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-80878-1	AOC1-S3-0.5	Solid	10/26/21 08:43	10/27/21 12:54
320-80878-2	AOC1-S3-2	Solid	10/26/21 08:45	10/27/21 12:54
320-80878-3	AOC1/AOC8-S4-0.5	Solid	10/26/21 08:52	10/27/21 12:54
320-80878-4	AOC1/AOC8-S4-0.5DUP	Solid	10/26/21 08:52	10/27/21 12:54
320-80878-5	AOC1/AOC8-S4-2	Solid	10/26/21 08:54	10/27/21 12:54
320-80878-6	AOC1/AOC2-S5-0.5	Solid	10/26/21 10:50	10/27/21 12:54
320-80878-7	AOC1/AOC2-S5-2	Solid	10/26/21 11:00	10/27/21 12:54
320-80878-8	AOC1-S6-0.5	Solid	10/26/21 11:32	10/27/21 12:54
320-80878-9	AOC1-S6-2	Solid	10/26/21 11:35	10/27/21 12:54
320-80878-10	AOC1/AOC7-S8-0.5	Solid	10/26/21 11:53	10/27/21 12:54
320-80878-11	AOC1/AOC7-S8-2	Solid	10/26/21 11:58	10/27/21 12:54
320-80878-12	AOC1/AOC7-S8-2DUP	Solid	10/26/21 11:58	10/27/21 12:54
320-80878-13	AOC1/AOC8-S10-0.5	Solid	10/26/21 12:57	10/27/21 12:54
320-80878-14	AOC1/AOC8-S10-2	Solid	10/26/21 13:01	10/27/21 12:54
320-80878-15	AOC1-S11-0.5	Solid	10/26/21 09:16	10/27/21 12:54
320-80878-16	AOC1-S11-2	Solid	10/26/21 09:18	10/27/21 12:54
320-80878-17	AOC2-S12-0.5	Solid	10/26/21 09:36	10/27/21 12:54
320-80878-18	AOC2-S12-0.5DUP	Solid	10/26/21 09:36	10/27/21 12:54
320-80878-19	AOC2-S12-2	Solid	10/26/21 09:41	10/27/21 12:54
320-80878-20	AOC2-S12-2DUP	Solid	10/26/21 09:41	10/27/21 12:54
320-80878-21	AOC2/AOC3-S13/S3I-0.5	Solid	10/26/21 10:02	10/27/21 12:54
320-80878-22	AOC2/AOC3-S13/S3I-2	Solid	10/26/21 10:04	10/27/21 12:54
320-80878-23	AOC2-S14-0.5	Solid	10/26/21 10:27	10/27/21 12:54
320-80878-24	AOC2-S14-2	Solid	10/26/21 10:29	10/27/21 12:54
320-80878-25	AOC3/AOC8-S1A-0.5	Solid	10/26/21 14:11	10/27/21 12:54
320-80878-26	AOC3/AOC8-S1A-2	Solid	10/26/21 14:18	10/27/21 12:54
320-80878-27	AOC3-S1B-0.5	Solid	10/26/21 14:24	10/27/21 12:54
320-80878-28	AOC3-S1B-2	Solid	10/26/21 14:26	10/27/21 12:54
320-80878-29	AOC3-S1C-0.5	Solid	10/26/21 14:30	10/27/21 12:54
320-80878-30	AOC3-S1C-2	Solid	10/26/21 15:09	10/27/21 12:54
320-80878-31	AOC3-S2B-0.5	Solid	10/26/21 14:51	10/27/21 12:54
320-80878-32	AOC3-S2B-2	Solid	10/26/21 14:54	10/27/21 12:54
320-80878-33	AOC3-S2C-0.5	Solid	10/26/21 14:43	10/27/21 12:54
320-80878-34	AOC3-S2C-2	Solid	10/26/21 14:46	10/27/21 12:54
320-80878-35	EB10262021	Water	10/26/21 16:30	10/27/21 12:54

201227

Chain of Custody Record

320-80878

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

eurofins

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemecio	Date: 10/26/21	COC No: 1
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: Test America	1 of 4 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNR
Alameda California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling:
Project Name: Cole Schoo PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC1-S3-0.5	10/26/21	G	0843	Soil	1							X	X		X	
AOC1-S3-2			0845									X				
AOC1/AOC8-S4-0.5			0852									X	X	X	X	
AOC1/AOC8-S4-0.5 DUP			0852									X	X	X	X	
AOC1/AOC8-S4-2			0854									X		X		
AOC1/AOC2-S5-0.5			1050									X	X		X	
AOC1/AOC2-S5-2			1100									X				
AOC1-S6-0.5			1132									X	X		X	
AOC1-S6-2			1135									X				
AOC1/AOC7-S8-0.5			1153									X	X		X	
AOC1/AOC7-S8-2			1158									X	X			

320-80878 Chain of Custody

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

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

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

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

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

Special Instructions/QC Requirements & Comments.
Hold samples for addional analys's

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp (°C): Obs'd _____ Corr'd. _____ Therm ID No. _____			
Relinquished by: Daysi Nemecio (Secured Location Alameda office)	Company: N&M	Date/Time: 10/26/21 1345	Received by: Leslie Jung	Company: N&M	Date/Time: 1945 10/26/21
Relinquished by: Leslie Jung	Company: N&M	Date/Time: 10/27 1140	Received by:	Company: EPA-SJ	Date/Time: 10/27/21 1140
Relinquished by: 3°C	Company: EPA-SJ	Date/Time: 10-27-21/1254	Received in Laboratory by:	Company: EPA-SJ	Date/Time: 10/27/21 1254

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

Page 1 of 2

(Rev. 1)

001227

Chain of Custody Record

320-80878

eurofins

Environment Testing America

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemecio	Date: 10/26/21	COC No: 1
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: TestAmerica	2 of 4 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNP
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling:
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC1/AOC7-S8-2 DUP	10/26/21	1158	G	SOIL	1							X	X			
AOC1/AOC8-S10-0.5		1257										X	X	X	X	
AOC1/AOC8-S10-2		1301										X		X		
AOC1-S11-0.5		0916										X	X		X	
AOC1-S11-2		0918										X				
AOC2-S12-0.5		0936										X	X		X	
AOC2-S12-0.5 DUP		0936										X	X		X	
AOC2-S12-2		0941										X				
AOC2-S12-2 DUP		0941										X				
AOC2/AOC3-S13/S3I-0.5		1002										X	X		X	
AOC2/AOC3-S13/S3I-2		1004										X				

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

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

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

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

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

Special Instructions/QC Requirements & Comments:
Hold samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp. (°C): Obs'd _____ Corr'd. _____ Therm ID No. _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Daysi Nemecio (Sealed in Alameda office)	NM	10/26/21 1745	Leslie Jung	NM	10/26/21 1745
Leslie Jung	NM	10/27 11:40		EPA-ST	10/27/21 1140
	EPA-ST	10/27/21 1254	Received in Laboratory by	TAES	10/27/21 1254

0.0 °C

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

(Rev. 1)

20227

Chain of Custody Record

320-80878

eurofins

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemecio	Date: 10/26/2021	COC No. 1
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: TestAmerica	3 of 4 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DMP
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below ____			Lab Sampling
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes.
AOC2-S1H-0.5	10/26/21	1027	G	Soil	1							X	X		X	
AOC2-S1H-2		1029										X				
AOC3/AOC8-S1A-0.5		1411								X		X	X	X		
AOC3/AOC8-S1A-2		1418										X		X		
AOC3-S1B-0.5		1424										X	X		X	
AOC3-S1B-2		1426										X				
AOC3-S1C-0.5		1430										X	X		X	
AOC3-S1C-2		1509										X				
AOC3-S2B-0.5		1451										X	X		X	
AOC3-S2B-2		1454										X				
AOC3-S2C-0.5		1443										X	X		X	

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

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

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

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

☐Return to Client ☐Disposal by Lab ☐Archive for ____ Months

Special Instructions/QC Requirements & Comments:
Hold samples for addional analysis

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp. (°C): Obs'd. ____ Corr'd. ____ Therm ID No. ____

	Company	Date/Time		Company	Date/Time
Relinquished by: Daysi Nemecio (Secured Location Alameda office)	N&M	10/26/21 1715	Received by: Leslie Jung	N&M	10/26/21 17 45
Relinquished by: Leslie Jung	N&M	10/27 1140	Received by:	FEDEX	102721 1140
Relinquished by: 0.3°C	FEDEX	102721/1254	Received in Laboratory by:	TEDEX	10/27/21 1254

Form No CA-C-WI-004, Rev 1 17 dated 6/27/2019

(Rev. 1)

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

320 - 80878

eurofins

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemecio	Date 10/26/21	COC No 1
N'nyo & Moore	Email ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier TestAmerica	4 of 4 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNP
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC3-S2C-2	10/26/21	1446	6	Soil	1							X				
EB10262021	1	1630	1	H_2O	3					X		X	X	X		

Preservation Used 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3, 5=NaOH, 6= Other _____

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

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

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

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

Special Instructions/QC Requirements & Comments

Hold samples for addional analysis

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp. (°C). Obs'd: _____ Corr'd. _____ Therm ID No. _____

Relinquished by: Daysi Nemecio	Received Location Alameda office	Company: N&M	Date/Time: 10/26/21 1745	Received by: Leslie Jung	Company: N&M	Date/Time: 10/26/21 1745
Relinquished by: Leslie Jung		Company: N&M	Date/Time: 10/27 1140	Received by:	Company: TA-CT	Date/Time: 102721 1140
Relinquished by:	0 3°C	Company: TA-SV	Date/Time: 10/27/21/1254	Received in Laboratory by:	Company: TA-SC	Date/Time: 10/27/21 1254

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247081.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 1 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80878-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/2/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: General - ASK PM IF OK TO USE	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
AOC1-S3-0.5 (320-80878-1)	10/26/21	08:43 Pacific		Solid			X	X	X			1	
AOC1-S3-2 (320-80878-2)	10/26/21	08:45 Pacific		Solid				X				1	
AOC1/AOC8-S4-0.5 (320-80878-3)	10/26/21	08:52 Pacific		Solid			X	X	X	X		1	
AOC1/AOC8-S4-0.5DUP (320-80878-4)	10/26/21	08:52 Pacific		Solid			X	X	X	X		1	
AOC1/AOC8-S4-2 (320-80878-5)	10/26/21	08:54 Pacific		Solid				X		X		1	
AOC1/AOC2-S5-0.5 (320-80878-6)	10/26/21	10:50 Pacific		Solid			X	X	X			1	
AOC1/AOC2-S5-2 (320-80878-7)	10/26/21	11:00 Pacific		Solid				X				1	
AOC1-S6-0.5 (320-80878-8)	10/26/21	11:32 Pacific		Solid			X	X	X			1	
AOC1-S6-2. (320-80878-9)	10/26/21	11:35 Pacific		Solid				X				1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/27/21 1615	EurSac		10/27/21 1615	DCS
2	Relinquished by:	Date/Time: 10/27/21 1950	Company DCS	Received by:	Date/Time: 10/27/21 1950	Company EurSac
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.5

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247081.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 2 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80878-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/2/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: General - ASK PM IF OK TO USE	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
AOC1/AOC7-S8-0.5 (320-80878-10)	10/26/21	11:53 Pacific		Solid			X	X	X			1	
AOC1/AOC7-S8-2 (320-80878-11)	10/26/21	11:58 Pacific		Solid				X	X			1	
AOC1/AOC7-S8-2DUP (320-80878-12)	10/26/21	11:58 Pacific		Solid				X	X			1	
AOC1/AOC8-S10-0.5 (320-80878-13)	10/26/21	12:57 Pacific		Solid			X	X	X	X		1	
AOC1/AOC8-S10-2 (320-80878-14)	10/26/21	13:01 Pacific		Solid				X		X		1	
AOC1-S11-0.5 (320-80878-15)	10/26/21	09:16 Pacific		Solid			X	X	X			1	
AOC1-S11-2 (320-80878-16)	10/26/21	09:18 Pacific		Solid				X				1	
AOC2-S12-0.5 (320-80878-17)	10/26/21	09:36 Pacific		Solid			X	X	X			1	
AOC2-S12-0.5DUP (320-80878-18)	10/26/21	09:36 Pacific		Solid			X	X	X			1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/27/21 1600	EETSF		10/27/21 1600	EETSAC
2	Relinquished by:	Date/Time: 10-27-21 1950	Company	Received by:	Date/Time: 10/27/21 1950	Company EETSAC
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247081.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 3 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80878-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/2/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: General - ASK PM IF OK TO USE	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
AOC2-S12-2 (320-80878-19)	10/26/21	09:41 Pacific		Solid				X				1	
AOC2-S12-2DUP (320-80878-20)	10/26/21	09:41 Pacific		Solid				X				1	
AOC2/AOC3-S13/S3I-0.5 (320-80878-21)	10/26/21	10:02 Pacific		Solid			X	X	X			1	
AOC2/AOC3-S13/S3I-2 (320-80878-22)	10/26/21	10:04 Pacific		Solid				X				1	
AOC2-S14-0.5 (320-80878-23)	10/26/21	10:27 Pacific		Solid			X	X	X			1	
AOC2-S14-2 (320-80878-24)	10/26/21	10:29 Pacific		Solid				X				1	
AOC3/AOC8-S1A-0.5 (320-80878-25)	10/26/21	14:11 Pacific		Solid				X	X	X		1	
AOC3/AOC8-S1A-2 (320-80878-26)	10/26/21	14:18 Pacific		Solid				X		X		1	
AOC3-S1B-0.5 (320-80878-27)	10/26/21	14:24 Pacific		Solid			X	X	X			1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/27/21 1615	EEFSAS		10/27/21 1610	TAS
2		10-27-21 1650	TAS		10/27/21 1950	EEFSAS
3		Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247081.4
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 4 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80878-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/2/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: General - ASK PM IF OK TO USE	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
AOC3-S1B-2 (320-80878-28)	10/26/21	14:26 Pacific		Solid				X				1	
AOC3-S1C-0.5 (320-80878-29)	10/26/21	14:30 Pacific		Solid			X	X	X			1	
AOC3-S1C-2 (320-80878-30)	10/26/21	15:09 Pacific		Solid				X				1	
AOC3-S2B-0.5 (320-80878-31)	10/26/21	14:51 Pacific		Solid			X	X	X			1	
AOC3-S2B-2 (320-80878-32)	10/26/21	14:54 Pacific		Solid				X				1	
AOC3-S2C-0.5 (320-80878-33)	10/26/21	14:43 Pacific		Solid			X	X	X			1	
AOC3-S2C-2 (320-80878-34)	10/26/21	14:46 Pacific		Solid				X				1	
EB10262021 (320-80878-35)	10/26/21	16:30 Pacific		Water							X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/27/21 1615	TAAS		10/27/21 1615	DCS
2		10-27-21 1950	DCS		10/27/21 1950	EEISAC
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

92 APVA

92841
SNA
CA-US

TRK# 0201 5047 2941 7438

THU - 28 OCT 10:30A
PRIORITY OVERNIGHT

FedEx Express

ORIGIN ID:LVKA (928) 404-1919
SAMPLE RECEIVING
EUROFINS TEST AMERICA
780 MONTAGUE EXPRESSWAY
SUITE 802
SAN JOSE, CA 95131
UNITED STATES US

SHIP DATE: 27OCT21
ACTWGT: 45.35 LB
CAD: 0785504/CAFE3507
DIMS: 28x16x15 IN

BILL SENDER

TO SAMPLE RECEIVING
EUROFINS CALSCIENCE, LLC
7440 LINCOLN WAY

GARDEN GROVE CA 92841

(714) 895-5494

REF:

DEPT:

320-80878 Waybill

Part # 159469-434 MTW EXP 07/22

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica CUSTODY

Signature:

Date:

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247080 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn Gonzales@Eurofinset.com	State of Origin: California	Page: Page 1 of 1
Company: Eurofins Calscience LLC		Accreditations Required (See note): State - California		Job #: 320-80878-1
Address: 7440 Lincoln Way, ,	Due Date Requested: 11/2/2021			
City: Garden Grove	TAT Requested (days)			
State, Zip: CA, 92841				
Phone: 714-895-5494(Tel) 714-894-7501(Fax)	PO #:			
Email:	WO #:			
Project Name: General - ASK PM IF OK TO USE	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7471A/7471A_Prep Mercury	6010B/3050B CAM 17, no Mercury	8081A/3510C (MOD) Standard List	8082/3510C (MOD) Standard List	7470A/7470A_Prep Mercury	6010B/3010A California Administrative Manual List	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3/AOC8-S1A-0 5 (320-80878-25)	10/26/21	14 11 Pacific		Solid			X	X					1	
EB10262021 (320-80878-35)	10/26/21	16 30 Pacific		Water					X	X	X	X	2	

Note: Since laboratory accreditations are subject to change Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
1		10/27/21 1600	FEDEX		10/28/21 1010	EC GC
2	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time.	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks.
	N/A	1.9/2.8 SCS

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-80878-1

Login Number: 80878
List Number: 1
Creator: Garcia, Hilario A

List Source: Eurofins TestAmerica, Sacramento

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

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-80878-1

Login Number: 80878
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	2.5
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-80878-1

Login Number: 80878
List Number: 3
Creator: Ortiz-Luis, Michael

List Source: Eurofins Calscience LLC
List Creation: 10/28/21 01:16 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
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	2.8
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-80878-2
Client Project/Site: Cole School PEA
Revision: 1

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Mr. Nathan Diem

Authorized for release by:
12/15/2021 9:04:38 AM

Justinn Gonzales, Project Manager I
(925)484-1919
Justinn.Gonzales@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-2

Qualifiers

Dioxin

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
G	The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference
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

Job ID: 320-80878-2

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-80878-2

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 11/17/2021. The report (revision 1) is being revised due to: Report samples to MDL or EDL for 8290A per client request. Total TEQ also added.

Receipt
The samples were received on 10/27/2021 12:54 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.3º C.

Dioxin
Method 8290A: Automatic End Resolution Check failed to print. Resolution Check was run the next morning and the instrument had maintained 10,000 resolution. All samples were run within the 12 hour window.
AOC1/AOC8-S4-0.5 (320-80878-3), AOC1/AOC8-S4-0.5DUP (320-80878-4), AOC1/AOC8-S10-0.5 (320-80878-13), (CCV 320-542971/2), (CCV 320-542971/8) and (CPS 320-542971/1)

Method 8290A: The following samples exhibited elevated noise or matrix interferences for 2,3,7,8-TCDF causing elevation of the detection limit (EDL): AOC1/AOC8-S4-0.5 (320-80878-3) and AOC1/AOC8-S4-0.5DUP (320-80878-4) . The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

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

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

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-2

Client Sample ID: AOC1/AOC8-S4-0.5 — Lab Sample ID: 320-80878-3

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	2.2		0.97	0.24	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDD	1.4	J	4.9	0.44	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	2.1	J	4.9	0.83	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	4.9		4.9	0.84	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	1.8	J B	4.9	0.18	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	4.1	J	4.9	0.17	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	3.6	J B	4.9	0.15	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	2.5	J	4.9	0.99	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	5.4		4.9	0.95	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	5.0		4.9	0.97	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	85	B	4.9	0.87	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	40	B	4.9	0.38	pg/g	1		8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	2.5	J B	4.9	0.47	pg/g	1		8290A	Total/NA
OCDD	740	B	9.7	0.87	pg/g	1		8290A	Total/NA
OCDF	90	B	9.7	0.14	pg/g	1		8290A	Total/NA
2,3,7,8-TCDF - RA	7.0	G B	1.2	1.2	pg/g	1		8290A	Total/NA

Client Sample ID: AOC1/AOC8-S4-0.5DUP — Lab Sample ID: 320-80878-4

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	1.3		0.95	0.15	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDD	1.2	J	4.8	0.37	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	2.4	J	4.8	0.99	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	4.4	J	4.8	1.0	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	1.2	J B	4.8	0.082	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	3.3	J	4.8	0.079	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	2.3	J B	4.8	0.070	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	3.4	J	4.8	0.87	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	7.6		4.8	0.84	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	4.6	J	4.8	0.85	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	60	B	4.8	0.28	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	30	B	4.8	0.27	pg/g	1		8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	1.8	J B	4.8	0.34	pg/g	1		8290A	Total/NA
OCDD	500	B	9.5	0.98	pg/g	1		8290A	Total/NA
OCDF	62	B	9.5	0.076	pg/g	1		8290A	Total/NA
2,3,7,8-TCDF - RA	4.9	G B	1.3	1.3	pg/g	1		8290A	Total/NA

Client Sample ID: AOC1/AOC8-S4-2 — Lab Sample ID: 320-80878-5

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.29	J B	0.91	0.037	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	0.10	J	4.5	0.049	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	0.13	J	4.5	0.050	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.15	J B	4.5	0.044	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.063	J	4.5	0.042	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.17	J B	4.5	0.038	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.15	J	4.5	0.075	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.081	J	4.5	0.077	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	1.4	J B	4.5	0.038	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.67	J B	4.5	0.036	pg/g	1		8290A	Total/NA
OCDD	12	B	9.1	0.049	pg/g	1		8290A	Total/NA
OCDF	1.2	J B	9.1	0.039	pg/g	1		8290A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-2

Client Sample ID: AOC1/AOC8-S10-0.5 — Lab Sample ID: 320-80878-13

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.16	J	0.99	0.12	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDD	0.55	J	4.9	0.18	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	0.48	J	4.9	0.16	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	0.71	J	4.9	0.16	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.82	J B	4.9	0.11	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.88	J	4.9	0.10	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.90	J B	4.9	0.090	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.84	J	4.9	0.23	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.85	J	4.9	0.22	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.54	J	4.9	0.22	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	4.2	J B	4.9	0.070	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	1.9	J B	4.9	0.11	pg/g	1		8290A	Total/NA
OCDD	15	B	9.9	0.11	pg/g	1		8290A	Total/NA
OCDF	1.3	J B	9.9	0.098	pg/g	1		8290A	Total/NA
2,3,7,8-TCDF - RA	0.82	J B	0.99	0.41	pg/g	1		8290A	Total/NA

Client Sample ID: AOC1/AOC8-S10-2 — Lab Sample ID: 320-80878-14

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,7,8-PeCDD	0.29	J	4.7	0.17	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.62	J B	4.7	0.12	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.22	J B	4.7	0.091	pg/g	1		8290A	Total/NA
OCDD	3.7	J B	9.3	0.16	pg/g	1		8290A	Total/NA
OCDF	0.58	J B	9.3	0.18	pg/g	1		8290A	Total/NA

Client Sample ID: AOC3/AOC8-S1A-0.5 — Lab Sample ID: 320-80878-25

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.91	J B	1.0	0.42	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.79	J	5.0	0.56	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	4.7	J B	5.0	0.21	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	1.6	J B	5.0	0.23	pg/g	1		8290A	Total/NA
OCDD	55	B	10	0.36	pg/g	1		8290A	Total/NA
OCDF	2.7	J B	10	0.33	pg/g	1		8290A	Total/NA

Client Sample ID: AOC3/AOC8-S1A-2 — Lab Sample ID: 320-80878-26

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.26	J B	0.97	0.047	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	0.12	J	4.9	0.053	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.22	J B	4.9	0.057	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.13	J B	4.9	0.049	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.56	J B	4.9	0.045	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.14	J B	4.9	0.035	pg/g	1		8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.089	J B	4.9	0.044	pg/g	1		8290A	Total/NA
OCDD	5.3	J B	9.7	0.074	pg/g	1		8290A	Total/NA
OCDF	0.47	J B	9.7	0.062	pg/g	1		8290A	Total/NA

Client Sample ID: EB10262021 — Lab Sample ID: 320-80878-35

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,7,8-PeCDF	2.2	J	48	0.32	pg/L	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	2.6	J B	48	0.46	pg/L	1		8290A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: EB10262021 (Continued)

Lab Sample ID: 320-80878-35

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,6,7,8-HxCDD	1.3	J B	48	0.42	pg/L	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	1.0	J	48	0.38	pg/L	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	1.3	J	48	0.34	pg/L	1		8290A	Total/NA
1,2,3,7,8,9-HxCDF	5.4	J B	48	0.36	pg/L	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.66	J	48	0.33	pg/L	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	1.4	J B	48	0.23	pg/L	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	1.2	J	48	0.49	pg/L	1		8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	2.0	J	48	0.57	pg/L	1		8290A	Total/NA
OCDD	4.2	J B	96	0.67	pg/L	1		8290A	Total/NA
OCDF	1.8	J	96	0.57	pg/L	1		8290A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: AOC1/AOC8-S4-0.5

Date Collected: 10/26/21 08:52
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-3

Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	2.2		0.97	0.24	pg/g		10/29/21 09:50	11/13/21 05:10	1
1,2,3,7,8-PeCDD	1.4	J	4.9	0.44	pg/g		10/29/21 09:50	11/13/21 05:10	1
1,2,3,7,8-PeCDF	2.1	J	4.9	0.83	pg/g		10/29/21 09:50	11/13/21 05:10	1
2,3,4,7,8-PeCDF	4.9		4.9	0.84	pg/g		10/29/21 09:50	11/13/21 05:10	1
1,2,3,4,7,8-HxCDD	1.8	J B	4.9	0.18	pg/g		10/29/21 09:50	11/13/21 05:10	1
1,2,3,6,7,8-HxCDD	4.1	J	4.9	0.17	pg/g		10/29/21 09:50	11/13/21 05:10	1
1,2,3,7,8,9-HxCDD	3.6	J B	4.9	0.15	pg/g		10/29/21 09:50	11/13/21 05:10	1
1,2,3,4,7,8-HxCDF	2.5	J	4.9	0.99	pg/g		10/29/21 09:50	11/13/21 05:10	1
1,2,3,6,7,8-HxCDF	5.4		4.9	0.95	pg/g		10/29/21 09:50	11/13/21 05:10	1
1,2,3,7,8,9-HxCDF	ND		4.9	1.0	pg/g		10/29/21 09:50	11/13/21 05:10	1
2,3,4,6,7,8-HxCDF	5.0		4.9	0.97	pg/g		10/29/21 09:50	11/13/21 05:10	1
1,2,3,4,6,7,8-HpCDD	85	B	4.9	0.87	pg/g		10/29/21 09:50	11/13/21 05:10	1
1,2,3,4,6,7,8-HpCDF	40	B	4.9	0.38	pg/g		10/29/21 09:50	11/13/21 05:10	1
1,2,3,4,7,8,9-HpCDF	2.5	J B	4.9	0.47	pg/g		10/29/21 09:50	11/13/21 05:10	1
OCDD	740	B	9.7	0.87	pg/g		10/29/21 09:50	11/13/21 05:10	1
OCDF	90	B	9.7	0.14	pg/g		10/29/21 09:50	11/13/21 05:10	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*69*		*40 - 135*	*10/29/21 09:50*	*11/13/21 05:10*	*1*
13C-1,2,3,7,8-PeCDD	*75*		*40 - 135*	*10/29/21 09:50*	*11/13/21 05:10*	*1*
13C-1,2,3,7,8-PeCDF	*77*		*40 - 135*	*10/29/21 09:50*	*11/13/21 05:10*	*1*
13C-1,2,3,6,7,8-HxCDD	*68*		*40 - 135*	*10/29/21 09:50*	*11/13/21 05:10*	*1*
13C-1,2,3,4,7,8-HxCDF	*69*		*40 - 135*	*10/29/21 09:50*	*11/13/21 05:10*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*88*		*40 - 135*	*10/29/21 09:50*	*11/13/21 05:10*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*79*		*40 - 135*	*10/29/21 09:50*	*11/13/21 05:10*	*1*
13C-OCDD	*86*		*40 - 135*	*10/29/21 09:50*	*11/13/21 05:10*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	7.0	G B	1.2	1.2	pg/g		10/29/21 09:50	11/15/21 18:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*84*		*40 - 135*	*10/29/21 09:50*	*11/15/21 18:41*	*1*

Client Sample ID: AOC1/AOC8-S4-0.5DUP

Date Collected: 10/26/21 08:52
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-4

Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	1.3		0.95	0.15	pg/g		10/29/21 09:50	11/13/21 05:55	1
1,2,3,7,8-PeCDD	1.2	J	4.8	0.37	pg/g		10/29/21 09:50	11/13/21 05:55	1
1,2,3,7,8-PeCDF	2.4	J	4.8	0.99	pg/g		10/29/21 09:50	11/13/21 05:55	1
2,3,4,7,8-PeCDF	4.4	J	4.8	1.0	pg/g		10/29/21 09:50	11/13/21 05:55	1
1,2,3,4,7,8-HxCDD	1.2	J B	4.8	0.082	pg/g		10/29/21 09:50	11/13/21 05:55	1
1,2,3,6,7,8-HxCDD	3.3	J	4.8	0.079	pg/g		10/29/21 09:50	11/13/21 05:55	1
1,2,3,7,8,9-HxCDD	2.3	J B	4.8	0.070	pg/g		10/29/21 09:50	11/13/21 05:55	1
1,2,3,4,7,8-HxCDF	3.4	J	4.8	0.87	pg/g		10/29/21 09:50	11/13/21 05:55	1
1,2,3,6,7,8-HxCDF	7.6		4.8	0.84	pg/g		10/29/21 09:50	11/13/21 05:55	1
1,2,3,7,8,9-HxCDF	ND		4.8	0.89	pg/g		10/29/21 09:50	11/13/21 05:55	1
2,3,4,6,7,8-HxCDF	4.6	J	4.8	0.85	pg/g		10/29/21 09:50	11/13/21 05:55	1
1,2,3,4,6,7,8-HpCDD	60	B	4.8	0.28	pg/g		10/29/21 09:50	11/13/21 05:55	1
1,2,3,4,6,7,8-HpCDF	30	B	4.8	0.27	pg/g		10/29/21 09:50	11/13/21 05:55	1
1,2,3,4,7,8,9-HpCDF	1.8	J B	4.8	0.34	pg/g		10/29/21 09:50	11/13/21 05:55	1
OCDD	500	B	9.5	0.98	pg/g		10/29/21 09:50	11/13/21 05:55	1
OCDF	62	B	9.5	0.076	pg/g		10/29/21 09:50	11/13/21 05:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*69*		*40 - 135*	*10/29/21 09:50*	*11/13/21 05:55*	*1*
13C-1,2,3,7,8-PeCDD	*80*		*40 - 135*	*10/29/21 09:50*	*11/13/21 05:55*	*1*
13C-1,2,3,7,8-PeCDF	*78*		*40 - 135*	*10/29/21 09:50*	*11/13/21 05:55*	*1*
13C-1,2,3,6,7,8-HxCDD	*70*		*40 - 135*	*10/29/21 09:50*	*11/13/21 05:55*	*1*
13C-1,2,3,4,7,8-HxCDF	*71*		*40 - 135*	*10/29/21 09:50*	*11/13/21 05:55*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*91*		*40 - 135*	*10/29/21 09:50*	*11/13/21 05:55*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*80*		*40 - 135*	*10/29/21 09:50*	*11/13/21 05:55*	*1*
13C-OCDD	*91*		*40 - 135*	*10/29/21 09:50*	*11/13/21 05:55*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	4.9	G B	1.3	1.3	pg/g		10/29/21 09:50	11/15/21 19:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*81*		*40 - 135*	*10/29/21 09:50*	*11/15/21 19:19*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-2

Client Sample ID: AOC1/AOC8-S4-2

Date Collected: 10/26/21 08:54
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-5

Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.91	0.059	pg/g		10/29/21 09:50	11/13/21 06:40	1
2,3,7,8-TCDF	**0.29**	**J B**	0.91	0.037	pg/g		10/29/21 09:50	11/13/21 06:40	1
1,2,3,7,8-PeCDD	ND		4.5	0.052	pg/g		10/29/21 09:50	11/13/21 06:40	1
1,2,3,7,8-PeCDF	**0.10**	**J**	4.5	0.049	pg/g		10/29/21 09:50	11/13/21 06:40	1
2,3,4,7,8-PeCDF	**0.13**	**J**	4.5	0.050	pg/g		10/29/21 09:50	11/13/21 06:40	1
1,2,3,4,7,8-HxCDD	**0.15**	**J B**	4.5	0.044	pg/g		10/29/21 09:50	11/13/21 06:40	1
1,2,3,6,7,8-HxCDD	**0.063**	**J**	4.5	0.042	pg/g		10/29/21 09:50	11/13/21 06:40	1
1,2,3,7,8,9-HxCDD	**0.17**	**J B**	4.5	0.038	pg/g		10/29/21 09:50	11/13/21 06:40	1
1,2,3,4,7,8-HxCDF	ND		4.5	0.079	pg/g		10/29/21 09:50	11/13/21 06:40	1
1,2,3,6,7,8-HxCDF	**0.15**	**J**	4.5	0.075	pg/g		10/29/21 09:50	11/13/21 06:40	1
1,2,3,7,8,9-HxCDF	ND		4.5	0.081	pg/g		10/29/21 09:50	11/13/21 06:40	1
2,3,4,6,7,8-HxCDF	**0.081**	**J**	4.5	0.077	pg/g		10/29/21 09:50	11/13/21 06:40	1
1,2,3,4,6,7,8-HpCDD	**1.4**	**J B**	4.5	0.038	pg/g		10/29/21 09:50	11/13/21 06:40	1
1,2,3,4,6,7,8-HpCDF	**0.67**	**J B**	4.5	0.036	pg/g		10/29/21 09:50	11/13/21 06:40	1
1,2,3,4,7,8,9-HpCDF	ND		4.5	0.046	pg/g		10/29/21 09:50	11/13/21 06:40	1
OCDD	**12**	**B**	9.1	0.049	pg/g		10/29/21 09:50	11/13/21 06:40	1
OCDF	**1.2**	**J B**	9.1	0.039	pg/g		10/29/21 09:50	11/13/21 06:40	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*91*		*40 - 135*	*10/29/21 09:50*	*11/13/21 06:40*	*1*
13C-2,3,7,8-TCDF	*88*		*40 - 135*	*10/29/21 09:50*	*11/13/21 06:40*	*1*
13C-1,2,3,7,8-PeCDD	*99*		*40 - 135*	*10/29/21 09:50*	*11/13/21 06:40*	*1*
13C-1,2,3,7,8-PeCDF	*98*		*40 - 135*	*10/29/21 09:50*	*11/13/21 06:40*	*1*
13C-1,2,3,6,7,8-HxCDD	*90*		*40 - 135*	*10/29/21 09:50*	*11/13/21 06:40*	*1*
13C-1,2,3,4,7,8-HxCDF	*93*		*40 - 135*	*10/29/21 09:50*	*11/13/21 06:40*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*118*		*40 - 135*	*10/29/21 09:50*	*11/13/21 06:40*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*102*		*40 - 135*	*10/29/21 09:50*	*11/13/21 06:40*	*1*
13C-OCDD	*116*		*40 - 135*	*10/29/21 09:50*	*11/13/21 06:40*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-2

Client Sample ID: AOC1/AOC8-S10-0.5

Date Collected: 10/26/21 12:57
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-13

Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.16	J	0.99	0.12	pg/g		10/29/21 09:50	11/13/21 07:25	1
1,2,3,7,8-PeCDD	0.55	J	4.9	0.18	pg/g		10/29/21 09:50	11/13/21 07:25	1
1,2,3,7,8-PeCDF	0.48	J	4.9	0.16	pg/g		10/29/21 09:50	11/13/21 07:25	1
2,3,4,7,8-PeCDF	0.71	J	4.9	0.16	pg/g		10/29/21 09:50	11/13/21 07:25	1
1,2,3,4,7,8-HxCDD	0.82	J B	4.9	0.11	pg/g		10/29/21 09:50	11/13/21 07:25	1
1,2,3,6,7,8-HxCDD	0.88	J	4.9	0.10	pg/g		10/29/21 09:50	11/13/21 07:25	1
1,2,3,7,8,9-HxCDD	0.90	J B	4.9	0.090	pg/g		10/29/21 09:50	11/13/21 07:25	1
1,2,3,4,7,8-HxCDF	0.84	J	4.9	0.23	pg/g		10/29/21 09:50	11/13/21 07:25	1
1,2,3,6,7,8-HxCDF	0.85	J	4.9	0.22	pg/g		10/29/21 09:50	11/13/21 07:25	1
1,2,3,7,8,9-HxCDF	ND		4.9	0.24	pg/g		10/29/21 09:50	11/13/21 07:25	1
2,3,4,6,7,8-HxCDF	0.54	J	4.9	0.22	pg/g		10/29/21 09:50	11/13/21 07:25	1
1,2,3,4,6,7,8-HpCDD	4.2	J B	4.9	0.070	pg/g		10/29/21 09:50	11/13/21 07:25	1
1,2,3,4,6,7,8-HpCDF	1.9	J B	4.9	0.11	pg/g		10/29/21 09:50	11/13/21 07:25	1
1,2,3,4,7,8,9-HpCDF	ND		4.9	0.14	pg/g		10/29/21 09:50	11/13/21 07:25	1
OCDD	15	B	9.9	0.11	pg/g		10/29/21 09:50	11/13/21 07:25	1
OCDF	1.3	J B	9.9	0.098	pg/g		10/29/21 09:50	11/13/21 07:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*70*		*40 - 135*	*10/29/21 09:50*	*11/13/21 07:25*	*1*
13C-1,2,3,7,8-PeCDD	*79*		*40 - 135*	*10/29/21 09:50*	*11/13/21 07:25*	*1*
13C-1,2,3,7,8-PeCDF	*81*		*40 - 135*	*10/29/21 09:50*	*11/13/21 07:25*	*1*
13C-1,2,3,6,7,8-HxCDD	*72*		*40 - 135*	*10/29/21 09:50*	*11/13/21 07:25*	*1*
13C-1,2,3,4,7,8-HxCDF	*72*		*40 - 135*	*10/29/21 09:50*	*11/13/21 07:25*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*77*		*40 - 135*	*10/29/21 09:50*	*11/13/21 07:25*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*72*		*40 - 135*	*10/29/21 09:50*	*11/13/21 07:25*	*1*
13C-OCDD	*69*		*40 - 135*	*10/29/21 09:50*	*11/13/21 07:25*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.82	J B	0.99	0.41	pg/g		10/29/21 09:50	11/15/21 19:58	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*77*		*40 - 135*	*10/29/21 09:50*	*11/15/21 19:58*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-2

Client Sample ID: AOC1/AOC8-S10-2
Date Collected: 10/26/21 13:01
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-14
Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.93	0.20	pg/g		10/29/21 09:50	11/13/21 08:10	1
2,3,7,8-TCDF	ND		0.93	0.10	pg/g		10/29/21 09:50	11/13/21 08:10	1
1,2,3,7,8-PeCDD	**0.29**	**J**	4.7	0.17	pg/g		10/29/21 09:50	11/13/21 08:10	1
1,2,3,7,8-PeCDF	ND		4.7	0.12	pg/g		10/29/21 09:50	11/13/21 08:10	1
2,3,4,7,8-PeCDF	ND		4.7	0.12	pg/g		10/29/21 09:50	11/13/21 08:10	1
1,2,3,4,7,8-HxCDD	ND		4.7	0.15	pg/g		10/29/21 09:50	11/13/21 08:10	1
1,2,3,6,7,8-HxCDD	ND		4.7	0.14	pg/g		10/29/21 09:50	11/13/21 08:10	1
1,2,3,7,8,9-HxCDD	ND		4.7	0.12	pg/g		10/29/21 09:50	11/13/21 08:10	1
1,2,3,4,7,8-HxCDF	ND		4.7	0.17	pg/g		10/29/21 09:50	11/13/21 08:10	1
1,2,3,6,7,8-HxCDF	ND		4.7	0.16	pg/g		10/29/21 09:50	11/13/21 08:10	1
1,2,3,7,8,9-HxCDF	ND		4.7	0.18	pg/g		10/29/21 09:50	11/13/21 08:10	1
2,3,4,6,7,8-HxCDF	ND		4.7	0.17	pg/g		10/29/21 09:50	11/13/21 08:10	1
1,2,3,4,6,7,8-HpCDD	**0.62**	**J B**	4.7	0.12	pg/g		10/29/21 09:50	11/13/21 08:10	1
1,2,3,4,6,7,8-HpCDF	**0.22**	**J B**	4.7	0.091	pg/g		10/29/21 09:50	11/13/21 08:10	1
1,2,3,4,7,8,9-HpCDF	ND		4.7	0.12	pg/g		10/29/21 09:50	11/13/21 08:10	1
OCDD	**3.7**	**J B**	9.3	0.16	pg/g		10/29/21 09:50	11/13/21 08:10	1
OCDF	**0.58**	**J B**	9.3	0.18	pg/g		10/29/21 09:50	11/13/21 08:10	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*69*		*40 - 135*	*10/29/21 09:50*	*11/13/21 08:10*	*1*
13C-2,3,7,8-TCDF	*69*		*40 - 135*	*10/29/21 09:50*	*11/13/21 08:10*	*1*
13C-1,2,3,7,8-PeCDD	*79*		*40 - 135*	*10/29/21 09:50*	*11/13/21 08:10*	*1*
13C-1,2,3,7,8-PeCDF	*77*		*40 - 135*	*10/29/21 09:50*	*11/13/21 08:10*	*1*
13C-1,2,3,6,7,8-HxCDD	*71*		*40 - 135*	*10/29/21 09:50*	*11/13/21 08:10*	*1*
13C-1,2,3,4,7,8-HxCDF	*68*		*40 - 135*	*10/29/21 09:50*	*11/13/21 08:10*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*91*		*40 - 135*	*10/29/21 09:50*	*11/13/21 08:10*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*82*		*40 - 135*	*10/29/21 09:50*	*11/13/21 08:10*	*1*
13C-OCDD	*87*		*40 - 135*	*10/29/21 09:50*	*11/13/21 08:10*	*1*

Client Sample ID: AOC3/AOC8-S1A-0.5

Date Collected: 10/26/21 14:11
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-25

Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.0	0.38	pg/g		10/29/21 09:50	11/13/21 08:55	1
2,3,7,8-TCDF	**0.91**	**J B**	1.0	0.42	pg/g		10/29/21 09:50	11/13/21 08:55	1
1,2,3,7,8-PeCDD	ND		5.0	0.43	pg/g		10/29/21 09:50	11/13/21 08:55	1
1,2,3,7,8-PeCDF	ND		5.0	0.53	pg/g		10/29/21 09:50	11/13/21 08:55	1
2,3,4,7,8-PeCDF	ND		5.0	0.54	pg/g		10/29/21 09:50	11/13/21 08:55	1
1,2,3,4,7,8-HxCDD	ND		5.0	0.34	pg/g		10/29/21 09:50	11/13/21 08:55	1
1,2,3,6,7,8-HxCDD	ND		5.0	0.33	pg/g		10/29/21 09:50	11/13/21 08:55	1
1,2,3,7,8,9-HxCDD	ND		5.0	0.29	pg/g		10/29/21 09:50	11/13/21 08:55	1
1,2,3,4,7,8-HxCDF	ND		5.0	0.58	pg/g		10/29/21 09:50	11/13/21 08:55	1
1,2,3,6,7,8-HxCDF	**0.79**	**J**	5.0	0.56	pg/g		10/29/21 09:50	11/13/21 08:55	1
1,2,3,7,8,9-HxCDF	ND		5.0	0.60	pg/g		10/29/21 09:50	11/13/21 08:55	1
2,3,4,6,7,8-HxCDF	ND		5.0	0.57	pg/g		10/29/21 09:50	11/13/21 08:55	1
1,2,3,4,6,7,8-HpCDD	**4.7**	**J B**	5.0	0.21	pg/g		10/29/21 09:50	11/13/21 08:55	1
1,2,3,4,6,7,8-HpCDF	**1.6**	**J B**	5.0	0.23	pg/g		10/29/21 09:50	11/13/21 08:55	1
1,2,3,4,7,8,9-HpCDF	ND		5.0	0.29	pg/g		10/29/21 09:50	11/13/21 08:55	1
OCDD	**55**	**B**	10	0.36	pg/g		10/29/21 09:50	11/13/21 08:55	1
OCDF	**2.7**	**J B**	10	0.33	pg/g		10/29/21 09:50	11/13/21 08:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*74*		*40 - 135*	*10/29/21 09:50*	*11/13/21 08:55*	*1*
13C-2,3,7,8-TCDF	*70*		*40 - 135*	*10/29/21 09:50*	*11/13/21 08:55*	*1*
13C-1,2,3,7,8-PeCDD	*87*		*40 - 135*	*10/29/21 09:50*	*11/13/21 08:55*	*1*
13C-1,2,3,7,8-PeCDF	*84*		*40 - 135*	*10/29/21 09:50*	*11/13/21 08:55*	*1*
13C-1,2,3,6,7,8-HxCDD	*68*		*40 - 135*	*10/29/21 09:50*	*11/13/21 08:55*	*1*
13C-1,2,3,4,7,8-HxCDF	*69*		*40 - 135*	*10/29/21 09:50*	*11/13/21 08:55*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*79*		*40 - 135*	*10/29/21 09:50*	*11/13/21 08:55*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*74*		*40 - 135*	*10/29/21 09:50*	*11/13/21 08:55*	*1*
13C-OCDD	*70*		*40 - 135*	*10/29/21 09:50*	*11/13/21 08:55*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-2

Client Sample ID: AOC3/AOC8-S1A-2
Date Collected: 10/26/21 14:18
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-26
Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.97	0.062	pg/g		10/29/21 09:50	11/13/21 09:40	1
2,3,7,8-TCDF	**0.26**	**J B**	0.97	0.047	pg/g		10/29/21 09:50	11/13/21 09:40	1
1,2,3,7,8-PeCDD	ND		4.9	0.063	pg/g		10/29/21 09:50	11/13/21 09:40	1
1,2,3,7,8-PeCDF	**0.12**	**J**	4.9	0.053	pg/g		10/29/21 09:50	11/13/21 09:40	1
2,3,4,7,8-PeCDF	ND		4.9	0.053	pg/g		10/29/21 09:50	11/13/21 09:40	1
1,2,3,4,7,8-HxCDD	**0.22**	**J B**	4.9	0.057	pg/g		10/29/21 09:50	11/13/21 09:40	1
1,2,3,6,7,8-HxCDD	ND		4.9	0.055	pg/g		10/29/21 09:50	11/13/21 09:40	1
1,2,3,7,8,9-HxCDD	**0.13**	**J B**	4.9	0.049	pg/g		10/29/21 09:50	11/13/21 09:40	1
1,2,3,4,7,8-HxCDF	ND		4.9	0.078	pg/g		10/29/21 09:50	11/13/21 09:40	1
1,2,3,6,7,8-HxCDF	ND		4.9	0.075	pg/g		10/29/21 09:50	11/13/21 09:40	1
1,2,3,7,8,9-HxCDF	ND		4.9	0.080	pg/g		10/29/21 09:50	11/13/21 09:40	1
2,3,4,6,7,8-HxCDF	ND		4.9	0.076	pg/g		10/29/21 09:50	11/13/21 09:40	1
1,2,3,4,6,7,8-HpCDD	**0.56**	**J B**	4.9	0.045	pg/g		10/29/21 09:50	11/13/21 09:40	1
1,2,3,4,6,7,8-HpCDF	**0.14**	**J B**	4.9	0.035	pg/g		10/29/21 09:50	11/13/21 09:40	1
1,2,3,4,7,8,9-HpCDF	**0.089**	**J B**	4.9	0.044	pg/g		10/29/21 09:50	11/13/21 09:40	1
OCDD	**5.3**	**J B**	9.7	0.074	pg/g		10/29/21 09:50	11/13/21 09:40	1
OCDF	**0.47**	**J B**	9.7	0.062	pg/g		10/29/21 09:50	11/13/21 09:40	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*70*		*40 - 135*	*10/29/21 09:50*	*11/13/21 09:40*	*1*
13C-2,3,7,8-TCDF	*71*		*40 - 135*	*10/29/21 09:50*	*11/13/21 09:40*	*1*
13C-1,2,3,7,8-PeCDD	*82*		*40 - 135*	*10/29/21 09:50*	*11/13/21 09:40*	*1*
13C-1,2,3,7,8-PeCDF	*80*		*40 - 135*	*10/29/21 09:50*	*11/13/21 09:40*	*1*
13C-1,2,3,6,7,8-HxCDD	*72*		*40 - 135*	*10/29/21 09:50*	*11/13/21 09:40*	*1*
13C-1,2,3,4,7,8-HxCDF	*71*		*40 - 135*	*10/29/21 09:50*	*11/13/21 09:40*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*92*		*40 - 135*	*10/29/21 09:50*	*11/13/21 09:40*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*78*		*40 - 135*	*10/29/21 09:50*	*11/13/21 09:40*	*1*
13C-OCDD	*87*		*40 - 135*	*10/29/21 09:50*	*11/13/21 09:40*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-2

Client Sample ID: EB10262021
Date Collected: 10/26/21 16:30
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-35
Matrix: Water

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		9.6	0.86	pg/L		10/29/21 12:27	11/04/21 03:34	1
2,3,7,8-TCDF	ND		9.6	0.30	pg/L		10/29/21 12:27	11/04/21 03:34	1
1,2,3,7,8-PeCDD	ND		48	0.61	pg/L		10/29/21 12:27	11/04/21 03:34	1
1,2,3,7,8-PeCDF	**2.2**	**J**	48	0.32	pg/L		10/29/21 12:27	11/04/21 03:34	1
2,3,4,7,8-PeCDF	ND		48	0.33	pg/L		10/29/21 12:27	11/04/21 03:34	1
1,2,3,4,7,8-HxCDD	**2.6**	**J B**	48	0.46	pg/L		10/29/21 12:27	11/04/21 03:34	1
1,2,3,6,7,8-HxCDD	**1.3**	**J B**	48	0.42	pg/L		10/29/21 12:27	11/04/21 03:34	1
1,2,3,7,8,9-HxCDD	ND		48	0.41	pg/L		10/29/21 12:27	11/04/21 03:34	1
1,2,3,4,7,8-HxCDF	**1.0**	**J**	48	0.38	pg/L		10/29/21 12:27	11/04/21 03:34	1
1,2,3,6,7,8-HxCDF	**1.3**	**J**	48	0.34	pg/L		10/29/21 12:27	11/04/21 03:34	1
1,2,3,7,8,9-HxCDF	**5.4**	**J B**	48	0.36	pg/L		10/29/21 12:27	11/04/21 03:34	1
2,3,4,6,7,8-HxCDF	**0.66**	**J**	48	0.33	pg/L		10/29/21 12:27	11/04/21 03:34	1
1,2,3,4,6,7,8-HpCDD	**1.4**	**J B**	48	0.23	pg/L		10/29/21 12:27	11/04/21 03:34	1
1,2,3,4,6,7,8-HpCDF	**1.2**	**J**	48	0.49	pg/L		10/29/21 12:27	11/04/21 03:34	1
1,2,3,4,7,8,9-HpCDF	**2.0**	**J**	48	0.57	pg/L		10/29/21 12:27	11/04/21 03:34	1
OCDD	**4.2**	**J B**	96	0.67	pg/L		10/29/21 12:27	11/04/21 03:34	1
OCDF	**1.8**	**J**	96	0.57	pg/L		10/29/21 12:27	11/04/21 03:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*78*		*40 - 135*	*10/29/21 12:27*	*11/04/21 03:34*	*1*
13C-2,3,7,8-TCDF	*91*		*40 - 135*	*10/29/21 12:27*	*11/04/21 03:34*	*1*
13C-1,2,3,7,8-PeCDD	*83*		*40 - 135*	*10/29/21 12:27*	*11/04/21 03:34*	*1*
13C-1,2,3,7,8-PeCDF	*96*		*40 - 135*	*10/29/21 12:27*	*11/04/21 03:34*	*1*
13C-1,2,3,6,7,8-HxCDD	*77*		*40 - 135*	*10/29/21 12:27*	*11/04/21 03:34*	*1*
13C-1,2,3,4,7,8-HxCDF	*80*		*40 - 135*	*10/29/21 12:27*	*11/04/21 03:34*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*75*		*40 - 135*	*10/29/21 12:27*	*11/04/21 03:34*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*78*		*40 - 135*	*10/29/21 12:27*	*11/04/21 03:34*	*1*
13C-OCDD	*75*		*40 - 135*	*10/29/21 12:27*	*11/04/21 03:34*	*1*

Toxicity Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-2

Client Sample ID: AOC1/AOC8-S4-0.5 — Lab Sample ID: 320-80878-3

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	2.2		0.97	0.24	pg/g	1	2.2	8290A
1,2,3,7,8-PeCDD	1.4	J	4.9	0.44	pg/g	1	1.4	8290A
1,2,3,7,8-PeCDF	2.1	J	4.9	0.83	pg/g	0.03	0.063	8290A
2,3,4,7,8-PeCDF	4.9		4.9	0.84	pg/g	0.3	1.5	8290A
1,2,3,4,7,8-HxCDD	1.8	J B	4.9	0.18	pg/g	0.1	0.18	8290A
1,2,3,6,7,8-HxCDD	4.1	J	4.9	0.17	pg/g	0.1	0.41	8290A
1,2,3,7,8,9-HxCDD	3.6	J B	4.9	0.15	pg/g	0.1	0.36	8290A
1,2,3,4,7,8-HxCDF	2.5	J	4.9	0.99	pg/g	0.1	0.25	8290A
1,2,3,6,7,8-HxCDF	5.4		4.9	0.95	pg/g	0.1	0.54	8290A
1,2,3,7,8,9-HxCDF	ND		4.9	1.0	pg/g	0.1	0.00	8290A
2,3,4,6,7,8-HxCDF	5.0		4.9	0.97	pg/g	0.1	0.50	8290A
1,2,3,4,6,7,8-HpCDD	85	B	4.9	0.87	pg/g	0.01	0.85	8290A
1,2,3,4,6,7,8-HpCDF	40	B	4.9	0.38	pg/g	0.01	0.40	8290A
1,2,3,4,7,8,9-HpCDF	2.5	J B	4.9	0.47	pg/g	0.01	0.025	8290A
OCDD	740	B	9.7	0.87	pg/g	0.0003	0.22	8290A
OCDF	90	B	9.7	0.14	pg/g	0.0003	0.027	8290A
2,3,7,8-TCDF - RA	7.0	G B	1.2	1.2	pg/g	0.1	0.70	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		9.6	TEQ

Client Sample ID: AOC1/AOC8-S4-0.5DUP — Lab Sample ID: 320-80878-4

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	1.3		0.95	0.15	pg/g	1	1.3	8290A
1,2,3,7,8-PeCDD	1.2	J	4.8	0.37	pg/g	1	1.2	8290A
1,2,3,7,8-PeCDF	2.4	J	4.8	0.99	pg/g	0.03	0.072	8290A
2,3,4,7,8-PeCDF	4.4	J	4.8	1.0	pg/g	0.3	1.3	8290A
1,2,3,4,7,8-HxCDD	1.2	J B	4.8	0.082	pg/g	0.1	0.12	8290A
1,2,3,6,7,8-HxCDD	3.3	J	4.8	0.079	pg/g	0.1	0.33	8290A
1,2,3,7,8,9-HxCDD	2.3	J B	4.8	0.070	pg/g	0.1	0.23	8290A
1,2,3,4,7,8-HxCDF	3.4	J	4.8	0.87	pg/g	0.1	0.34	8290A
1,2,3,6,7,8-HxCDF	7.6		4.8	0.84	pg/g	0.1	0.76	8290A
1,2,3,7,8,9-HxCDF	ND		4.8	0.89	pg/g	0.1	0.00	8290A
2,3,4,6,7,8-HxCDF	4.6	J	4.8	0.85	pg/g	0.1	0.46	8290A
1,2,3,4,6,7,8-HpCDD	60	B	4.8	0.28	pg/g	0.01	0.60	8290A
1,2,3,4,6,7,8-HpCDF	30	B	4.8	0.27	pg/g	0.01	0.30	8290A
1,2,3,4,7,8,9-HpCDF	1.8	J B	4.8	0.34	pg/g	0.01	0.018	8290A
OCDD	500	B	9.5	0.98	pg/g	0.0003	0.15	8290A
OCDF	62	B	9.5	0.076	pg/g	0.0003	0.019	8290A
2,3,7,8-TCDF - RA	4.9	G B	1.3	1.3	pg/g	0.1	0.49	8290A

TEF Reference:
WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Client Sample ID: AOC1/AOC8-S4-0.5DUP (Continued) — Lab Sample ID: 320-80878-4

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		7.7	TEQ

Client Sample ID: AOC1/AOC8-S4-2 — Lab Sample ID: 320-80878-5

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		0.91	0.059	pg/g	1	0.00	8290A
2,3,7,8-TCDF	**0.29**	**J B**	0.91	0.037	pg/g	0.1	**0.029**	8290A
1,2,3,7,8-PeCDD	ND		4.5	0.052	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	**0.10**	**J**	4.5	0.049	pg/g	0.03	**0.0030**	8290A
2,3,4,7,8-PeCDF	**0.13**	**J**	4.5	0.050	pg/g	0.3	**0.039**	8290A
1,2,3,4,7,8-HxCDD	**0.15**	**J B**	4.5	0.044	pg/g	0.1	**0.015**	8290A
1,2,3,6,7,8-HxCDD	**0.063**	**J**	4.5	0.042	pg/g	0.1	**0.0063**	8290A
1,2,3,7,8,9-HxCDD	**0.17**	**J B**	4.5	0.038	pg/g	0.1	**0.017**	8290A
1,2,3,4,7,8-HxCDF	ND		4.5	0.079	pg/g	0.1	0.00	8290A
1,2,3,6,7,8-HxCDF	**0.15**	**J**	4.5	0.075	pg/g	0.1	**0.015**	8290A
1,2,3,7,8,9-HxCDF	ND		4.5	0.081	pg/g	0.1	0.00	8290A
2,3,4,6,7,8-HxCDF	**0.081**	**J**	4.5	0.077	pg/g	0.1	**0.0081**	8290A
1,2,3,4,6,7,8-HpCDD	**1.4**	**J B**	4.5	0.038	pg/g	0.01	**0.014**	8290A
1,2,3,4,6,7,8-HpCDF	**0.67**	**J B**	4.5	0.036	pg/g	0.01	**0.0067**	8290A
1,2,3,4,7,8,9-HpCDF	ND		4.5	0.046	pg/g	0.01	0.00	8290A
OCDD	**12**	**B**	9.1	0.049	pg/g	0.0003	**0.0036**	8290A
OCDF	**1.2**	**J B**	9.1	0.039	pg/g	0.0003	**0.00036**	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.16	TEQ

Client Sample ID: AOC1/AOC8-S10-0.5 — Lab Sample ID: 320-80878-13

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	**0.16**	**J**	0.99	0.12	pg/g	1	**0.16**	8290A
1,2,3,7,8-PeCDD	**0.55**	**J**	4.9	0.18	pg/g	1	**0.55**	8290A
1,2,3,7,8-PeCDF	**0.48**	**J**	4.9	0.16	pg/g	0.03	**0.014**	8290A
2,3,4,7,8-PeCDF	**0.71**	**J**	4.9	0.16	pg/g	0.3	**0.21**	8290A
1,2,3,4,7,8-HxCDD	**0.82**	**J B**	4.9	0.11	pg/g	0.1	**0.082**	8290A
1,2,3,6,7,8-HxCDD	**0.88**	**J**	4.9	0.10	pg/g	0.1	**0.088**	8290A
1,2,3,7,8,9-HxCDD	**0.90**	**J B**	4.9	0.090	pg/g	0.1	**0.090**	8290A
1,2,3,4,7,8-HxCDF	**0.84**	**J**	4.9	0.23	pg/g	0.1	**0.084**	8290A
1,2,3,6,7,8-HxCDF	**0.85**	**J**	4.9	0.22	pg/g	0.1	**0.085**	8290A
1,2,3,7,8,9-HxCDF	ND		4.9	0.24	pg/g	0.1	0.00	8290A
2,3,4,6,7,8-HxCDF	**0.54**	**J**	4.9	0.22	pg/g	0.1	**0.054**	8290A
1,2,3,4,6,7,8-HpCDD	**4.2**	**J B**	4.9	0.070	pg/g	0.01	**0.042**	8290A

TEF Reference:
WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-2

Client Sample ID: AOC1/AOC8-S10-0.5 (Continued)

Lab Sample ID: 320-80878-13

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
1,2,3,4,6,7,8-HpCDF	**1.9**	**J B**	4.9	0.11	pg/g	0.01	**0.019**	8290A
1,2,3,4,7,8,9-HpCDF	ND		4.9	0.14	pg/g	0.01	0.00	8290A
OCDD	**15**	**B**	9.9	0.11	pg/g	0.0003	**0.0045**	8290A
OCDF	**1.3**	**J B**	9.9	0.098	pg/g	0.0003	**0.00039**	8290A
2,3,7,8-TCDF - RA	**0.82**	**J B**	0.99	0.41	pg/g	0.1	**0.082**	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		1.6	TEQ

Client Sample ID: AOC1/AOC8-S10-2

Lab Sample ID: 320-80878-14

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		0.93	0.20	pg/g	1	0.00	8290A
2,3,7,8-TCDF	ND		0.93	0.10	pg/g	0.1	0.00	8290A
1,2,3,7,8-PeCDD	**0.29**	**J**	4.7	0.17	pg/g	1	**0.29**	8290A
1,2,3,7,8-PeCDF	ND		4.7	0.12	pg/g	0.03	0.00	8290A
2,3,4,7,8-PeCDF	ND		4.7	0.12	pg/g	0.3	0.00	8290A
1,2,3,4,7,8-HxCDD	ND		4.7	0.15	pg/g	0.1	0.00	8290A
1,2,3,6,7,8-HxCDD	ND		4.7	0.14	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDD	ND		4.7	0.12	pg/g	0.1	0.00	8290A
1,2,3,4,7,8-HxCDF	ND		4.7	0.17	pg/g	0.1	0.00	8290A
1,2,3,6,7,8-HxCDF	ND		4.7	0.16	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDF	ND		4.7	0.18	pg/g	0.1	0.00	8290A
2,3,4,6,7,8-HxCDF	ND		4.7	0.17	pg/g	0.1	0.00	8290A
1,2,3,4,6,7,8-HpCDD	**0.62**	**J B**	4.7	0.12	pg/g	0.01	**0.0062**	8290A
1,2,3,4,6,7,8-HpCDF	**0.22**	**J B**	4.7	0.091	pg/g	0.01	**0.0022**	8290A
1,2,3,4,7,8,9-HpCDF	ND		4.7	0.12	pg/g	0.01	0.00	8290A
OCDD	**3.7**	**J B**	9.3	0.16	pg/g	0.0003	**0.0011**	8290A
OCDF	**0.58**	**J B**	9.3	0.18	pg/g	0.0003	**0.00017**	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.30	TEQ

Client Sample ID: AOC3/AOC8-S1A-0.5

Lab Sample ID: 320-80878-25

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		1.0	0.38	pg/g	1	0.00	8290A
2,3,7,8-TCDF	**0.91**	**J B**	1.0	0.42	pg/g	0.1	**0.091**	8290A
1,2,3,7,8-PeCDD	ND		5.0	0.43	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	ND		5.0	0.53	pg/g	0.03	0.00	8290A

TEF Reference:

WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Client Sample ID: AOC3/AOC8-S1A-0.5 (Continued)

Lab Sample ID: 320-80878-25

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,4,7,8-PeCDF	ND		5.0	0.54	pg/g	0.3	0.00	8290A
1,2,3,4,7,8-HxCDD	ND		5.0	0.34	pg/g	0.1	0.00	8290A
1,2,3,6,7,8-HxCDD	ND		5.0	0.33	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDD	ND		5.0	0.29	pg/g	0.1	0.00	8290A
1,2,3,4,7,8-HxCDF	ND		5.0	0.58	pg/g	0.1	0.00	8290A
1,2,3,6,7,8-HxCDF	**0.79**	**J**	5.0	0.56	pg/g	0.1	**0.079**	8290A
1,2,3,7,8,9-HxCDF	ND		5.0	0.60	pg/g	0.1	0.00	8290A
2,3,4,6,7,8-HxCDF	ND		5.0	0.57	pg/g	0.1	0.00	8290A
1,2,3,4,6,7,8-HpCDD	**4.7**	**J B**	5.0	0.21	pg/g	0.01	**0.047**	8290A
1,2,3,4,6,7,8-HpCDF	**1.6**	**J B**	5.0	0.23	pg/g	0.01	**0.016**	8290A
1,2,3,4,7,8,9-HpCDF	ND		5.0	0.29	pg/g	0.01	0.00	8290A
OCDD	**55**	**B**	10	0.36	pg/g	0.0003	**0.017**	8290A
OCDF	**2.7**	**J B**	10	0.33	pg/g	0.0003	**0.00081**	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.25	TEQ

Client Sample ID: AOC3/AOC8-S1A-2

Lab Sample ID: 320-80878-26

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		0.97	0.062	pg/g	1	0.00	8290A
2,3,7,8-TCDF	**0.26**	**J B**	0.97	0.047	pg/g	0.1	**0.026**	8290A
1,2,3,7,8-PeCDD	ND		4.9	0.063	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	**0.12**	**J**	4.9	0.053	pg/g	0.03	**0.0036**	8290A
2,3,4,7,8-PeCDF	ND		4.9	0.053	pg/g	0.3	0.00	8290A
1,2,3,4,7,8-HxCDD	**0.22**	**J B**	4.9	0.057	pg/g	0.1	**0.022**	8290A
1,2,3,6,7,8-HxCDD	ND		4.9	0.055	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDD	**0.13**	**J B**	4.9	0.049	pg/g	0.1	**0.013**	8290A
1,2,3,4,7,8-HxCDF	ND		4.9	0.078	pg/g	0.1	0.00	8290A
1,2,3,6,7,8-HxCDF	ND		4.9	0.075	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDF	ND		4.9	0.080	pg/g	0.1	0.00	8290A
2,3,4,6,7,8-HxCDF	ND		4.9	0.076	pg/g	0.1	0.00	8290A
1,2,3,4,6,7,8-HpCDD	**0.56**	**J B**	4.9	0.045	pg/g	0.01	**0.0056**	8290A
1,2,3,4,6,7,8-HpCDF	**0.14**	**J B**	4.9	0.035	pg/g	0.01	**0.0014**	8290A
1,2,3,4,7,8,9-HpCDF	**0.089**	**J B**	4.9	0.044	pg/g	0.01	**0.00089**	8290A
OCDD	**5.3**	**J B**	9.7	0.074	pg/g	0.0003	**0.0016**	8290A
OCDF	**0.47**	**J B**	9.7	0.062	pg/g	0.0003	**0.00014**	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.074	TEQ

TEF Reference:

WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-2

Client Sample ID: EB10262021

Lab Sample ID: 320-80878-35

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		9.6	0.86	pg/L	1	0.00	8290A
2,3,7,8-TCDF	ND		9.6	0.30	pg/L	0.1	0.00	8290A
1,2,3,7,8-PeCDD	ND		48	0.61	pg/L	1	0.00	8290A
1,2,3,7,8-PeCDF	**2.2**	**J**	48	0.32	pg/L	0.03	**0.066**	8290A
2,3,4,7,8-PeCDF	ND		48	0.33	pg/L	0.3	0.00	8290A
1,2,3,4,7,8-HxCDD	**2.6**	**J B**	48	0.46	pg/L	0.1	**0.26**	8290A
1,2,3,6,7,8-HxCDD	**1.3**	**J B**	48	0.42	pg/L	0.1	**0.13**	8290A
1,2,3,7,8,9-HxCDD	ND		48	0.41	pg/L	0.1	0.00	8290A
1,2,3,4,7,8-HxCDF	**1.0**	**J**	48	0.38	pg/L	0.1	**0.10**	8290A
1,2,3,6,7,8-HxCDF	**1.3**	**J**	48	0.34	pg/L	0.1	**0.13**	8290A
1,2,3,7,8,9-HxCDF	**5.4**	**J B**	48	0.36	pg/L	0.1	**0.54**	8290A
2,3,4,6,7,8-HxCDF	**0.66**	**J**	48	0.33	pg/L	0.1	**0.066**	8290A
1,2,3,4,6,7,8-HpCDD	**1.4**	**J B**	48	0.23	pg/L	0.01	**0.014**	8290A
1,2,3,4,6,7,8-HpCDF	**1.2**	**J**	48	0.49	pg/L	0.01	**0.012**	8290A
1,2,3,4,7,8,9-HpCDF	**2.0**	**J**	48	0.57	pg/L	0.01	**0.020**	8290A
OCDD	**4.2**	**J B**	96	0.67	pg/L	0.0003	**0.0013**	8290A
OCDF	**1.8**	**J**	96	0.57	pg/L	0.0003	**0.00054**	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/L		1.3	TEQ

TEF Reference:

WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Isotope Dilution Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-2

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCDD (40-135)	TCDF (40-135)	PeCDD (40-135)	PeCDF (40-135)	HxDD (40-135)	HxCDF (40-135)	HpCDD (40-135)	HpCDF (40-135)
320-80878-3	AOC1/AOC8-S4-0.5	69		75	77	68	69	88	79
320-80878-3 - RA	AOC1/AOC8-S4-0.5		84						
320-80878-4	AOC1/AOC8-S4-0.5DUP	69		80	78	70	71	91	80
320-80878-4 - RA	AOC1/AOC8-S4-0.5DUP		81						
320-80878-5	AOC1/AOC8-S4-2	91	88	99	98	90	93	118	102
320-80878-13	AOC1/AOC8-S10-0.5	70		79	81	72	72	77	72
320-80878-13 - RA	AOC1/AOC8-S10-0.5		77						
320-80878-14	AOC1/AOC8-S10-2	69	69	79	77	71	68	91	82
320-80878-25	AOC3/AOC8-S1A-0.5	74	70	87	84	68	69	79	74
320-80878-26	AOC3/AOC8-S1A-2	70	71	82	80	72	71	92	78
LCS 320-538203/2-A	Lab Control Sample	73	75	85	83	74	73	95	86
LCSD 320-538203/3-A	Lab Control Sample Dup	69	71	79	78	70	72	92	81
MB 320-538203/1-A	Method Blank	76	76	88	85	80	78	100	91

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OCDD (40-135)
320-80878-3	AOC1/AOC8-S4-0.5	86
320-80878-3 - RA	AOC1/AOC8-S4-0.5	
320-80878-4	AOC1/AOC8-S4-0.5DUP	91
320-80878-4 - RA	AOC1/AOC8-S4-0.5DUP	
320-80878-5	AOC1/AOC8-S4-2	116
320-80878-13	AOC1/AOC8-S10-0.5	69
320-80878-13 - RA	AOC1/AOC8-S10-0.5	
320-80878-14	AOC1/AOC8-S10-2	87
320-80878-25	AOC3/AOC8-S1A-0.5	70
320-80878-26	AOC3/AOC8-S1A-2	87
LCS 320-538203/2-A	Lab Control Sample	90
LCSD 320-538203/3-A	Lab Control Sample Dup	85
MB 320-538203/1-A	Method Blank	96

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD
TCDF = 13C-2,3,7,8-TCDF
PeCDD = 13C-1,2,3,7,8-PeCDD
PeCDF = 13C-1,2,3,7,8-PeCDF
HxDD = 13C-1,2,3,6,7,8-HxCDD
HxCDF = 13C-1,2,3,4,7,8-HxCDF
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HpCDF = 13C-1,2,3,4,6,7,8-HpCDF
OCDD = 13C-OCDD

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCDD (40-135)	TCDF (40-135)	PeCDD (40-135)	PeCDF (40-135)	HxDD (40-135)	HxCDF (40-135)	HpCDD (40-135)	HpCDF (40-135)
320-80878-35	EB10262021	78	91	83	96	77	80	75	78
LCS 320-538262/2-A	Lab Control Sample	83	94	90	94	87	92	87	94
LCSD 320-538262/3-A	Lab Control Sample Dup	88	102	96	105	84	91	84	91

Isotope Dilution Summary

Client: Ninyo & Moore
Job ID: 320-80878-2
Project/Site: Cole School PEA

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCDD (40-135)	TCDF (40-135)	PeCDD (40-135)	PeCDF (40-135)	HxDD (40-135)	HxCDF (40-135)	HpCDD (40-135)	HpCDF (40-135)
MB 320-538262/1-A	Method Blank	84	97	96	102	83	89	85	89

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OCDD (40-135)
320-80878-35	EB10262021	75
LCS 320-538262/2-A	Lab Control Sample	92
LCSD 320-538262/3-A	Lab Control Sample Dup	89
MB 320-538262/1-A	Method Blank	82

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD
TCDF = 13C-2,3,7,8-TCDF
PeCDD = 13C-1,2,3,7,8-PeCDD
PeCDF = 13C-1,2,3,7,8-PeCDF
HxDD = 13C-1,2,3,6,7,8-HxCDD
HxCDF = 13C-1,2,3,4,7,8-HxCDF
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HpCDF = 13C-1,2,3,4,6,7,8-HpCDF
OCDD = 13C-OCDD

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-538203/1-A
Matrix: Solid
Analysis Batch: 542535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 538203

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.0	0.092	pg/g		10/29/21 09:50	11/13/21 02:55	1
2,3,7,8-TCDF	0.147	J	1.0	0.047	pg/g		10/29/21 09:50	11/13/21 02:55	1
1,2,3,7,8-PeCDD	ND		5.0	0.074	pg/g		10/29/21 09:50	11/13/21 02:55	1
1,2,3,7,8-PeCDF	ND		5.0	0.058	pg/g		10/29/21 09:50	11/13/21 02:55	1
2,3,4,7,8-PeCDF	ND		5.0	0.059	pg/g		10/29/21 09:50	11/13/21 02:55	1
1,2,3,4,7,8-HxCDD	0.266	J	5.0	0.071	pg/g		10/29/21 09:50	11/13/21 02:55	1
1,2,3,6,7,8-HxCDD	ND		5.0	0.068	pg/g		10/29/21 09:50	11/13/21 02:55	1
1,2,3,7,8,9-HxCDD	0.169	J	5.0	0.060	pg/g		10/29/21 09:50	11/13/21 02:55	1
1,2,3,4,7,8-HxCDF	ND		5.0	0.10	pg/g		10/29/21 09:50	11/13/21 02:55	1
1,2,3,6,7,8-HxCDF	ND		5.0	0.10	pg/g		10/29/21 09:50	11/13/21 02:55	1
1,2,3,7,8,9-HxCDF	ND		5.0	0.11	pg/g		10/29/21 09:50	11/13/21 02:55	1
2,3,4,6,7,8-HxCDF	ND		5.0	0.10	pg/g		10/29/21 09:50	11/13/21 02:55	1
1,2,3,4,6,7,8-HpCDD	0.531	J	5.0	0.036	pg/g		10/29/21 09:50	11/13/21 02:55	1
1,2,3,4,6,7,8-HpCDF	0.440	J	5.0	0.036	pg/g		10/29/21 09:50	11/13/21 02:55	1
1,2,3,4,7,8,9-HpCDF	0.360	J	5.0	0.046	pg/g		10/29/21 09:50	11/13/21 02:55	1
OCDD	1.93	J	10	0.055	pg/g		10/29/21 09:50	11/13/21 02:55	1
OCDF	0.298	J	10	0.058	pg/g		10/29/21 09:50	11/13/21 02:55	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*76*		*40 - 135*	*10/29/21 09:50*	*11/13/21 02:55*	*1*
13C-2,3,7,8-TCDF	*76*		*40 - 135*	*10/29/21 09:50*	*11/13/21 02:55*	*1*
13C-1,2,3,7,8-PeCDD	*88*		*40 - 135*	*10/29/21 09:50*	*11/13/21 02:55*	*1*
13C-1,2,3,7,8-PeCDF	*85*		*40 - 135*	*10/29/21 09:50*	*11/13/21 02:55*	*1*
13C-1,2,3,6,7,8-HxCDD	*80*		*40 - 135*	*10/29/21 09:50*	*11/13/21 02:55*	*1*
13C-1,2,3,4,7,8-HxCDF	*78*		*40 - 135*	*10/29/21 09:50*	*11/13/21 02:55*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*100*		*40 - 135*	*10/29/21 09:50*	*11/13/21 02:55*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*91*		*40 - 135*	*10/29/21 09:50*	*11/13/21 02:55*	*1*
13C-OCDD	*96*		*40 - 135*	*10/29/21 09:50*	*11/13/21 02:55*	*1*

Lab Sample ID: LCS 320-538203/2-A
Matrix: Solid
Analysis Batch: 542535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538203

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD	20.0	23.4		pg/g		117	77 - 130
2,3,7,8-TCDF	20.0	22.1		pg/g		111	79 - 137
1,2,3,7,8-PeCDD	100	110		pg/g		110	79 - 134
1,2,3,7,8-PeCDF	100	111		pg/g		111	81 - 134
2,3,4,7,8-PeCDF	100	107		pg/g		107	76 - 132
1,2,3,4,7,8-HxCDD	100	118		pg/g		118	65 - 144
1,2,3,6,7,8-HxCDD	100	114		pg/g		114	73 - 147
1,2,3,7,8,9-HxCDD	100	113		pg/g		113	80 - 143
1,2,3,4,7,8-HxCDF	100	118		pg/g		118	72 - 140
1,2,3,6,7,8-HxCDF	100	114		pg/g		114	63 - 152
1,2,3,7,8,9-HxCDF	100	122		pg/g		122	72 - 152
2,3,4,6,7,8-HxCDF	100	116		pg/g		116	72 - 151
1,2,3,4,6,7,8-HpCDD	100	108		pg/g		108	86 - 134
1,2,3,4,6,7,8-HpCDF	100	111		pg/g		111	81 - 137
1,2,3,4,7,8,9-HpCDF	100	126		pg/g		126	79 - 139

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-538203/2-A
Matrix: Solid
Analysis Batch: 542535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538203

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
OCDD			200	228		pg/g		114	80 - 137		
OCDF			200	239		pg/g		119	75 - 141		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*73*		*40 - 135*
13C-2,3,7,8-TCDF	*75*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*85*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*83*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*74*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*73*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*95*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*86*		*40 - 135*
13C-OCDD	*90*		*40 - 135*

Lab Sample ID: LCSD 320-538203/3-A
Matrix: Solid
Analysis Batch: 542535

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 538203

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,7,8-TCDD			20.0	23.4		pg/g		117	77 - 130	0	20
2,3,7,8-TCDF			20.0	22.3		pg/g		111	79 - 137	1	20
1,2,3,7,8-PeCDD			100	112		pg/g		112	79 - 134	1	20
1,2,3,7,8-PeCDF			100	112		pg/g		112	81 - 134	1	20
2,3,4,7,8-PeCDF			100	111		pg/g		111	76 - 132	4	20
1,2,3,4,7,8-HxCDD			100	123		pg/g		123	65 - 144	4	20
1,2,3,6,7,8-HxCDD			100	119		pg/g		119	73 - 147	5	20
1,2,3,7,8,9-HxCDD			100	117		pg/g		117	80 - 143	3	20
1,2,3,4,7,8-HxCDF			100	118		pg/g		118	72 - 140	1	20
1,2,3,6,7,8-HxCDF			100	114		pg/g		114	63 - 152	0	20
1,2,3,7,8,9-HxCDF			100	119		pg/g		119	72 - 152	2	20
2,3,4,6,7,8-HxCDF			100	115		pg/g		115	72 - 151	1	20
1,2,3,4,6,7,8-HpCDD			100	109		pg/g		109	86 - 134	0	20
1,2,3,4,6,7,8-HpCDF			100	117		pg/g		117	81 - 137	5	20
1,2,3,4,7,8,9-HpCDF			100	131		pg/g		131	79 - 139	4	20
OCDD			200	230		pg/g		115	80 - 137	1	20
OCDF			200	244		pg/g		122	75 - 141	2	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*69*		*40 - 135*
13C-2,3,7,8-TCDF	*71*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*79*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*78*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*70*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*72*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*92*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*81*		*40 - 135*
13C-OCDD	*85*		*40 - 135*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-538262/1-A
Matrix: Water
Analysis Batch: 539721

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 538262

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		10	1.0	pg/L		10/29/21 12:13	11/04/21 01:09	1
2,3,7,8-TCDF	ND		10	0.40	pg/L		10/29/21 12:13	11/04/21 01:09	1
1,2,3,7,8-PeCDD	ND		50	0.77	pg/L		10/29/21 12:13	11/04/21 01:09	1
1,2,3,7,8-PeCDF	ND		50	0.44	pg/L		10/29/21 12:13	11/04/21 01:09	1
2,3,4,7,8-PeCDF	ND		50	0.46	pg/L		10/29/21 12:13	11/04/21 01:09	1
1,2,3,4,7,8-HxCDD	1.93	J	50	0.55	pg/L		10/29/21 12:13	11/04/21 01:09	1
1,2,3,6,7,8-HxCDD	0.839	J	50	0.50	pg/L		10/29/21 12:13	11/04/21 01:09	1
1,2,3,7,8,9-HxCDD	ND		50	0.49	pg/L		10/29/21 12:13	11/04/21 01:09	1
1,2,3,4,7,8-HxCDF	ND		50	0.42	pg/L		10/29/21 12:13	11/04/21 01:09	1
1,2,3,6,7,8-HxCDF	ND		50	0.37	pg/L		10/29/21 12:13	11/04/21 01:09	1
1,2,3,7,8,9-HxCDF	4.35	J	50	0.40	pg/L		10/29/21 12:13	11/04/21 01:09	1
2,3,4,6,7,8-HxCDF	ND		50	0.36	pg/L		10/29/21 12:13	11/04/21 01:09	1
1,2,3,4,6,7,8-HpCDD	0.977	J	50	0.27	pg/L		10/29/21 12:13	11/04/21 01:09	1
1,2,3,4,6,7,8-HpCDF	ND		50	0.51	pg/L		10/29/21 12:13	11/04/21 01:09	1
1,2,3,4,7,8,9-HpCDF	ND		50	0.59	pg/L		10/29/21 12:13	11/04/21 01:09	1
OCDD	3.25	J	100	0.82	pg/L		10/29/21 12:13	11/04/21 01:09	1
OCDF	ND		100	0.76	pg/L		10/29/21 12:13	11/04/21 01:09	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*84*		*40 - 135*	*10/29/21 12:13*	*11/04/21 01:09*	*1*
13C-2,3,7,8-TCDF	*97*		*40 - 135*	*10/29/21 12:13*	*11/04/21 01:09*	*1*
13C-1,2,3,7,8-PeCDD	*96*		*40 - 135*	*10/29/21 12:13*	*11/04/21 01:09*	*1*
13C-1,2,3,7,8-PeCDF	*102*		*40 - 135*	*10/29/21 12:13*	*11/04/21 01:09*	*1*
13C-1,2,3,6,7,8-HxCDD	*83*		*40 - 135*	*10/29/21 12:13*	*11/04/21 01:09*	*1*
13C-1,2,3,4,7,8-HxCDF	*89*		*40 - 135*	*10/29/21 12:13*	*11/04/21 01:09*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*85*		*40 - 135*	*10/29/21 12:13*	*11/04/21 01:09*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*89*		*40 - 135*	*10/29/21 12:13*	*11/04/21 01:09*	*1*
13C-OCDD	*82*		*40 - 135*	*10/29/21 12:13*	*11/04/21 01:09*	*1*

Lab Sample ID: LCS 320-538262/2-A
Matrix: Water
Analysis Batch: 539721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538262

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD	200	237		pg/L		119	64 - 142
2,3,7,8-TCDF	200	237		pg/L		119	71 - 142
1,2,3,7,8-PeCDD	1000	1080		pg/L		108	71 - 140
1,2,3,7,8-PeCDF	1000	1200		pg/L		120	76 - 135
2,3,4,7,8-PeCDF	1000	1230		pg/L		123	74 - 137
1,2,3,4,7,8-HxCDD	1000	1060		pg/L		106	56 - 146
1,2,3,6,7,8-HxCDD	1000	1130		pg/L		113	73 - 144
1,2,3,7,8,9-HxCDD	1000	1090		pg/L		109	71 - 151
1,2,3,4,7,8-HxCDF	1000	1140		pg/L		114	75 - 131
1,2,3,6,7,8-HxCDF	1000	1180		pg/L		118	76 - 133
1,2,3,7,8,9-HxCDF	1000	1140		pg/L		114	77 - 142
2,3,4,6,7,8-HxCDF	1000	1090		pg/L		109	80 - 137
1,2,3,4,6,7,8-HpCDD	1000	1000		pg/L		100	78 - 139
1,2,3,4,6,7,8-HpCDF	1000	1050		pg/L		105	79 - 133
1,2,3,4,7,8,9-HpCDF	1000	1010		pg/L		101	83 - 130

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-538262/2-A
Matrix: Water
Analysis Batch: 539721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538262

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
OCDD			2000	2080		pg/L		104	80 - 132		
OCDF			2000	2180		pg/L		109	72 - 140		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*83*		*40 - 135*
13C-2,3,7,8-TCDF	*94*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*90*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*94*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*87*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*92*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*87*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*94*		*40 - 135*
13C-OCDD	*92*		*40 - 135*

Lab Sample ID: LCSD 320-538262/3-A
Matrix: Water
Analysis Batch: 539721

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 538262

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,7,8-TCDD			200	234		pg/L		117	64 - 142	1	20
2,3,7,8-TCDF			200	240		pg/L		120	71 - 142	1	20
1,2,3,7,8-PeCDD			1000	1080		pg/L		108	71 - 140	1	20
1,2,3,7,8-PeCDF			1000	1190		pg/L		119	76 - 135	1	20
2,3,4,7,8-PeCDF			1000	1220		pg/L		122	74 - 137	1	20
1,2,3,4,7,8-HxCDD			1000	1060		pg/L		106	56 - 146	0	20
1,2,3,6,7,8-HxCDD			1000	1130		pg/L		113	73 - 144	0	20
1,2,3,7,8,9-HxCDD			1000	1110		pg/L		111	71 - 151	2	20
1,2,3,4,7,8-HxCDF			1000	1090		pg/L		109	75 - 131	4	20
1,2,3,6,7,8-HxCDF			1000	1110		pg/L		111	76 - 133	6	20
1,2,3,7,8,9-HxCDF			1000	1110		pg/L		111	77 - 142	3	20
2,3,4,6,7,8-HxCDF			1000	1040		pg/L		104	80 - 137	4	20
1,2,3,4,6,7,8-HpCDD			1000	997		pg/L		100	78 - 139	0	20
1,2,3,4,6,7,8-HpCDF			1000	1020		pg/L		102	79 - 133	3	20
1,2,3,4,7,8,9-HpCDF			1000	996		pg/L		100	83 - 130	1	20
OCDD			2000	2020		pg/L		101	80 - 132	3	20
OCDF			2000	2110		pg/L		106	72 - 140	3	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*88*		*40 - 135*
13C-2,3,7,8-TCDF	*102*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*96*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*105*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*84*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*91*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*84*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*91*		*40 - 135*
13C-OCDD	*89*		*40 - 135*

Specialty Organics

Prep Batch: 538203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-3	AOC1/AOC8-S4-0.5	Total/NA	Solid	8290	
320-80878-3 - RA	AOC1/AOC8-S4-0.5	Total/NA	Solid	8290	
320-80878-4	AOC1/AOC8-S4-0.5DUP	Total/NA	Solid	8290	
320-80878-4 - RA	AOC1/AOC8-S4-0.5DUP	Total/NA	Solid	8290	
320-80878-5	AOC1/AOC8-S4-2	Total/NA	Solid	8290	
320-80878-13	AOC1/AOC8-S10-0.5	Total/NA	Solid	8290	
320-80878-13 - RA	AOC1/AOC8-S10-0.5	Total/NA	Solid	8290	
320-80878-14	AOC1/AOC8-S10-2	Total/NA	Solid	8290	
320-80878-25	AOC3/AOC8-S1A-0.5	Total/NA	Solid	8290	
320-80878-26	AOC3/AOC8-S1A-2	Total/NA	Solid	8290	
MB 320-538203/1-A	Method Blank	Total/NA	Solid	8290	
LCS 320-538203/2-A	Lab Control Sample	Total/NA	Solid	8290	
LCSD 320-538203/3-A	Lab Control Sample Dup	Total/NA	Solid	8290	

Prep Batch: 538262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-35	EB10262021	Total/NA	Water	8290	
MB 320-538262/1-A	Method Blank	Total/NA	Water	8290	
LCS 320-538262/2-A	Lab Control Sample	Total/NA	Water	8290	
LCSD 320-538262/3-A	Lab Control Sample Dup	Total/NA	Water	8290	

Analysis Batch: 539721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-35	EB10262021	Total/NA	Water	8290A	538262
MB 320-538262/1-A	Method Blank	Total/NA	Water	8290A	538262
LCS 320-538262/2-A	Lab Control Sample	Total/NA	Water	8290A	538262
LCSD 320-538262/3-A	Lab Control Sample Dup	Total/NA	Water	8290A	538262

Analysis Batch: 542535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-3	AOC1/AOC8-S4-0.5	Total/NA	Solid	8290A	538203
320-80878-4	AOC1/AOC8-S4-0.5DUP	Total/NA	Solid	8290A	538203
320-80878-5	AOC1/AOC8-S4-2	Total/NA	Solid	8290A	538203
320-80878-13	AOC1/AOC8-S10-0.5	Total/NA	Solid	8290A	538203
320-80878-14	AOC1/AOC8-S10-2	Total/NA	Solid	8290A	538203
320-80878-25	AOC3/AOC8-S1A-0.5	Total/NA	Solid	8290A	538203
320-80878-26	AOC3/AOC8-S1A-2	Total/NA	Solid	8290A	538203
MB 320-538203/1-A	Method Blank	Total/NA	Solid	8290A	538203
LCS 320-538203/2-A	Lab Control Sample	Total/NA	Solid	8290A	538203
LCSD 320-538203/3-A	Lab Control Sample Dup	Total/NA	Solid	8290A	538203

Analysis Batch: 542971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-3 - RA	AOC1/AOC8-S4-0.5	Total/NA	Solid	8290A	538203
320-80878-4 - RA	AOC1/AOC8-S4-0.5DUP	Total/NA	Solid	8290A	538203
320-80878-13 - RA	AOC1/AOC8-S10-0.5	Total/NA	Solid	8290A	538203

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-2

Client Sample ID: AOC1/AOC8-S4-0.5

Lab Sample ID: 320-80878-3
Date Collected: 10/26/21 08:52
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.29 g	20.0 uL	538203	10/29/21 09:50	FC	TAL SAC
Total/NA	Analysis	8290A		1			542535	11/13/21 05:10	SMA	TAL SAC
Total/NA	Prep	8290	RA		10.29 g	20.0 uL	538203	10/29/21 09:50	FC	TAL SAC
Total/NA	Analysis	8290A	RA	1			542971	11/15/21 18:41	DB	TAL SAC

Client Sample ID: AOC1/AOC8-S4-0.5DUP

Lab Sample ID: 320-80878-4
Date Collected: 10/26/21 08:52
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.48 g	20.0 uL	538203	10/29/21 09:50	FC	TAL SAC
Total/NA	Analysis	8290A		1			542535	11/13/21 05:55	SMA	TAL SAC
Total/NA	Prep	8290	RA		10.48 g	20.0 uL	538203	10/29/21 09:50	FC	TAL SAC
Total/NA	Analysis	8290A	RA	1			542971	11/15/21 19:19	DB	TAL SAC

Client Sample ID: AOC1/AOC8-S4-2

Lab Sample ID: 320-80878-5
Date Collected: 10/26/21 08:54
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			11.02 g	20.0 uL	538203	10/29/21 09:50	FC	TAL SAC
Total/NA	Analysis	8290A		1			542535	11/13/21 06:40	SMA	TAL SAC

Client Sample ID: AOC1/AOC8-S10-0.5

Lab Sample ID: 320-80878-13
Date Collected: 10/26/21 12:57
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.11 g	20.0 uL	538203	10/29/21 09:50	FC	TAL SAC
Total/NA	Analysis	8290A		1			542535	11/13/21 07:25	SMA	TAL SAC
Total/NA	Prep	8290	RA		10.11 g	20.0 uL	538203	10/29/21 09:50	FC	TAL SAC
Total/NA	Analysis	8290A	RA	1			542971	11/15/21 19:58	DB	TAL SAC

Client Sample ID: AOC1/AOC8-S10-2

Lab Sample ID: 320-80878-14
Date Collected: 10/26/21 13:01
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.72 g	20.0 uL	538203	10/29/21 09:50	FC	TAL SAC
Total/NA	Analysis	8290A		1			542535	11/13/21 08:10	SMA	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-2

Client Sample ID: AOC3/AOC8-S1A-0.5

Lab Sample ID: 320-80878-25

Date Collected: 10/26/21 14:11

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.04 g	20.0 uL	538203	10/29/21 09:50	FC	TAL SAC
Total/NA	Analysis	8290A		1			542535	11/13/21 08:55	SMA	TAL SAC

Client Sample ID: AOC3/AOC8-S1A-2

Lab Sample ID: 320-80878-26

Date Collected: 10/26/21 14:18

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.29 g	20.0 uL	538203	10/29/21 09:50	FC	TAL SAC
Total/NA	Analysis	8290A		1			542535	11/13/21 09:40	SMA	TAL SAC

Client Sample ID: EB10262021

Lab Sample ID: 320-80878-35

Date Collected: 10/26/21 16:30

Matrix: Water

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			1043.9 mL	20.0 uL	538262	10/29/21 12:27	CB	TAL SAC
Total/NA	Analysis	8290A		1			539721	11/04/21 03:34	KSS	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-2

Laboratory: Eurofins TestAmerica, Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
TEQ		Solid	Total Dioxin/Furan TEQ
TEQ		Water	Total Dioxin/Furan TEQ

Method Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-2

Method	Method Description	Protocol	Laboratory
8290A	Dioxins and Furans (HRGC/HRMS)	SW846	TAL SAC
TEQ	Total TEQ Calculation	Lab SOP	TAL SAC
8290	Separatory Funnel (Liquid-Liquid) Extraction of Dioxins and Furans	SW846	TAL SAC
8290	Soxhlet Extraction of Dioxins and Furans	SW846	TAL SAC

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

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

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-80878-3	AOC1/AOC8-S4-0.5	Solid	10/26/21 08:52	10/27/21 12:54
320-80878-4	AOC1/AOC8-S4-0.5DUP	Solid	10/26/21 08:52	10/27/21 12:54
320-80878-5	AOC1/AOC8-S4-2	Solid	10/26/21 08:54	10/27/21 12:54
320-80878-13	AOC1/AOC8-S10-0.5	Solid	10/26/21 12:57	10/27/21 12:54
320-80878-14	AOC1/AOC8-S10-2	Solid	10/26/21 13:01	10/27/21 12:54
320-80878-25	AOC3/AOC8-S1A-0.5	Solid	10/26/21 14:11	10/27/21 12:54
320-80878-26	AOC3/AOC8-S1A-2	Solid	10/26/21 14:18	10/27/21 12:54
320-80878-35	EB10262021	Water	10/26/21 16:30	10/27/21 12:54

201827

Chain of Custody Record

320-80878

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

eurofins

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemecio	Date: 10/26/21	COC No: 1
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: Test America	1 of 4 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNR
Alameda California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below ____			Lab Sampling:
Project Name: Cole Schoo PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC1-S3-0.5	10/26/21	G	0843	Soil	1							X	X		X	
AOC1-S3-2			0845									X				
AOC1/AOC8-S4-0.5			0852									X	X	X	X	
AOC1/AOC8-S4-0.5 DUP			0852									X	X	X	X	
AOC1/AOC8-S4-2			0854									X		X		
AOC1/AOC2-S5-0.5			1050									X	X		X	
AOC1/AOC2-S5-2			1100									X				
AOC1-S6-0.5			1132									X	X		X	
AOC1-S6-2			1135									X				
AOC1/AOC7-S8-0.5			1153									X	X		X	
AOC1/AOC7-S8-2			1158									X	X			

320-80878 Chain of Custody

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

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

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

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

☐Return to Client ☐Disposal by Lab ☐Archive for ____ Months

Special Instructions/QC Requirements & Comments.
Hold samples for addional analys's

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp (°C): Obs'd ____ Corr'd. ____ Therm ID No. ____			
Relinquished by: Daysi Nemecio (Secured Location Alameda office)	Company: N&M	Date/Time: 10/26/21 1345	Received by: Justin Jung	Company: N&M	Date/Time: 1945 10/26/21
Relinquished by: Leslie Jung	Company: N&M	Date/Time: 10/27 1140	Received by:	Company: EA-ST	Date/Time: 10/27/21 1140
Relinquished by: 3°C	Company: EA-ST	Date/Time: 10-27-21/1254	Received in Laboratory by:	Company: EATSJ	Date/Time: 10/27/21 1254

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

DocID: (Rev. 1)

001227

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

320-80878

eurofins Environment Testing America

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemecio	Date: 10/26/21	COC No: 1
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: TestAmerica	2 of 4 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNP
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling:
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC1/AOC7-S8-2 DUP	10/26/21	1158	G	SOIL	1							X	X			
AOC1/AOC8-S10-0.5		1257										X	X	X	X	
AOC1/AOC8-S10-2		1301										X		X		
AOC1-S11-0.5		0916										X	X		X	
AOC1-S11-2		0918										X				
AOC2-S12-0.5		0936										X	X		X	
AOC2-S12-0.5 DUP		0936										X	X		X	
AOC2-S12-2		0941										X				
AOC2-S12-2 DUP		0941										X				
AOC2/AOC3-S13/S3I-0.5		1002										X	X		X	
AOC2/AOC3-S13/S3I-2		1004										X				

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments:
Hold samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temp. (°C): Obs'd _____ Corr'd. _____	Therm ID No. _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Daysi Nemecio (Sealed in Alameda office)	N&M	10/26/21 1745	Leslie Jung	N&M	10/26/21 1745
Leslie Jung	N&M	10/27 11:40		EPA-ST	10/27/21 1140
	EPA-ST	10/27/21 1254	Received in Laboratory by	TAES	10/27/21 1254

0.0°C

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

(Rev. 1)

20227

Chain of Custody Record

320-80878

eurofins

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemecio	Date: 10/26/2021	COC No. 1
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: TestAmerica	3 of 4 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DMP
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below ____			Lab Sampling
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes.
AOC2-S14-0.5	10/26/21	1027	G	Soil	1							X	X		X	
AOC2-S14-2		1029										X				
AOC3/AOC8-S1A-0.5		1411								X		X	X	X		
AOC3/AOC8-S1A-2		1418										X		X		
AOC3-S1B-0.5		1424										X	X		X	
AOC3-S1B-2		1426										X				
AOC3-S1C-0.5		1430										X	X		X	
AOC3-S1C-2		1509										X				
AOC3-S2B-0.5		1451										X	X		X	
AOC3-S2B-2		1454										X				
AOC3-S2C-0.5		1443										X	X		X	

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

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

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

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

☐Return to Client ☐Disposal by Lab ☐Archive for ____ Months

Special Instructions/QC Requirements & Comments:
Hold samples for addional analysis

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp. (°C): Obs'd. ____ Corr'd. ____ Therm ID No. ____

Relinquished by: Daysi Nemecio (Secured Location Alameda office)	Company: N&M	Date/Time: 10/26/21 1745	Received by: Leslie Jung	Company: N&M	Date/Time: 10/26/21	17 45
Relinquished by: Leslie Jung	Company: N&M	Date/Time: 10/27 1140	Received by:	Company: EA-SJ	Date/Time: 102721	1140
Relinquished by: 0.3°C	Company: EA-SJ	Date/Time: 102721/1254	Received in Laboratory by:	Company: TEA SJ	Date/Time: 10/27/21	1254

Form No CA-C-WI-004, Rev 1 17 dated 6/27/2019

(Rev. 1)

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

320-80878

201227

eurofins

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemecio	Date 10/26/21	COC No 1
N'nyo & Moore	Email ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier TestAmerica	1 of 1 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DWP
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below			Lab Sampling
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC3-S2C-2	10/26/21	1446	6	Soil	1							X				
EB10262021	1	1630	1	H_2O	3					X		X	X	X		

Preservation Used 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3, 5=NaOH, 6= Other _____

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

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

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

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

Special Instructions/QC Requirements & Comments
Hold samples for addional analysis

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp. (°C). Obs'd: _____ Corr'd. _____ Therm ID No. _____

Relinquished by: Daysi Nemecio	Company: N&M	Date/Time: 10/26/21 1745	Received by: Leslie Jung	Company: N&M	Date/Time: 10/26/21 1745
Relinquished by: Leslie Jung	Company: N&M	Date/Time: 10/27 1140	Received by:	Company: FTA ST	Date/Time: 102721 1140
Relinquished by: 0.3°C	Company: FTA ST	Date/Time: 10/27/21/1254	Received in Laboratory by:	Company: TestA SC	Date/Time: 10/27/21 1254

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247081.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 1 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80878-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/2/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: General - ASK PM IF OK TO USE	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
AOC1-S3-0.5 (320-80878-1)	10/26/21	08:43 Pacific		Solid			X	X	X			1	
AOC1-S3-2 (320-80878-2)	10/26/21	08:45 Pacific		Solid				X				1	
AOC1/AOC8-S4-0.5 (320-80878-3)	10/26/21	08:52 Pacific		Solid			X	X	X	X		1	
AOC1/AOC8-S4-0.5DUP (320-80878-4)	10/26/21	08:52 Pacific		Solid			X	X	X	X		1	
AOC1/AOC8-S4-2 (320-80878-5)	10/26/21	08:54 Pacific		Solid				X		X		1	
AOC1/AOC2-S5-0.5 (320-80878-6)	10/26/21	10:50 Pacific		Solid			X	X	X			1	
AOC1/AOC2-S5-2 (320-80878-7)	10/26/21	11:00 Pacific		Solid				X				1	
AOC1-S6-0.5 (320-80878-8)	10/26/21	11:32 Pacific		Solid			X	X	X			1	
AOC1-S6-2. (320-80878-9)	10/26/21	11:35 Pacific		Solid				X				1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/27/21 1615	EurSac		10/27/21 1615	DCS
2	Relinquished by:	Date/Time: 10-27-21 1950	Company DCS	Received by:	Date/Time: 10/27/21 1950	Company EurSac
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2-5

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247081.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 2 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80878-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/2/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: General - ASK PM IF OK TO USE	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
AOC1/AOC7-S8-0.5 (320-80878-10)	10/26/21	11:53 Pacific		Solid			X	X	X			1	
AOC1/AOC7-S8-2 (320-80878-11)	10/26/21	11:58 Pacific		Solid				X	X			1	
AOC1/AOC7-S8-2DUP (320-80878-12)	10/26/21	11:58 Pacific		Solid				X	X			1	
AOC1/AOC8-S10-0.5 (320-80878-13)	10/26/21	12:57 Pacific		Solid			X	X	X	X		1	
AOC1/AOC8-S10-2 (320-80878-14)	10/26/21	13:01 Pacific		Solid				X		X		1	
AOC1-S11-0.5 (320-80878-15)	10/26/21	09:16 Pacific		Solid			X	X	X			1	
AOC1-S11-2 (320-80878-16)	10/26/21	09:18 Pacific		Solid				X				1	
AOC2-S12-0.5 (320-80878-17)	10/26/21	09:36 Pacific		Solid			X	X	X			1	
AOC2-S12-0.5DUP (320-80878-18)	10/26/21	09:36 Pacific		Solid			X	X	X			1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/27/21 1605	FedEx		10/27/21 1605	TAL SAC
2	Relinquished by:	Date/Time: 10-27-21 1950	Company	Received by:	Date/Time: 10/27/21 1950	Company EETSAC
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento

880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247081.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 3 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80878-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/2/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: General - ASK PM IF OK TO USE	Project #: 32017058			
Site:	SSOW#:			

Preservation Codes:

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

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
AOC2-S12-2 (320-80878-19)	10/26/21	09:41 Pacific		Solid				X				1	
AOC2-S12-2DUP (320-80878-20)	10/26/21	09:41 Pacific		Solid				X				1	
AOC2/AOC3-S13/S3I-0.5 (320-80878-21)	10/26/21	10:02 Pacific		Solid			X	X	X			1	
AOC2/AOC3-S13/S3I-2 (320-80878-22)	10/26/21	10:04 Pacific		Solid				X				1	
AOC2-S14-0.5 (320-80878-23)	10/26/21	10:27 Pacific		Solid			X	X	X			1	
AOC2-S14-2 (320-80878-24)	10/26/21	10:29 Pacific		Solid				X				1	
AOC3/AOC8-S1A-0.5 (320-80878-25)	10/26/21	14:11 Pacific		Solid				X	X	X		1	
AOC3/AOC8-S1A-2 (320-80878-26)	10/26/21	14:18 Pacific		Solid				X		X		1	
AOC3-S1B-0.5 (320-80878-27)	10/26/21	14:24 Pacific		Solid			X	X	X			1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

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

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by: [signature]	Date/Time: 10/27/21 1615	Company: FEDEX SS	Received by: [signature]	Date/Time: 10/27/21 1610	Company: DCS
Relinquished by: [signature]	Date/Time: 10-27-21 1950	Company: DCS LSD	Received by: [signature]	Date/Time: 10/27/21 1950	Company: EET SAC
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247081.4
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 4 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80878-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/2/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: General - ASK PM IF OK TO USE	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
AOC3-S1B-2 (320-80878-28)	10/26/21	14:26 Pacific		Solid				X				1	
AOC3-S1C-0.5 (320-80878-29)	10/26/21	14:30 Pacific		Solid			X	X	X			1	
AOC3-S1C-2 (320-80878-30)	10/26/21	15:09 Pacific		Solid				X				1	
AOC3-S2B-0.5 (320-80878-31)	10/26/21	14:51 Pacific		Solid			X	X	X			1	
AOC3-S2B-2 (320-80878-32)	10/26/21	14:54 Pacific		Solid				X				1	
AOC3-S2C-0.5 (320-80878-33)	10/26/21	14:43 Pacific		Solid			X	X	X			1	
AOC3-S2C-2 (320-80878-34)	10/26/21	14:46 Pacific		Solid				X				1	
EB10262021 (320-80878-35)	10/26/21	16:30 Pacific		Water							X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/29/21 1615	TAAS		10/27/21 1615	DCS
2		10-27-21 1950	DCS		10/27/21 1950	EEISAC
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

92 APVA

SNA 92841 CA-US

TRK# 0201 5047 2941 7438

THU - 28 OCT 10:30A
PRIORITY OVERNIGHT

FedEx Express

ORIGIN ID:LVKA (928) 404-1919
SAMPLE RECEIVING
EUROFINS TEST AMERICA
780 MONTAGUE EXPRESSWAY
SUITE 802
SAN JOSE, CA 95131
UNITED STATES US

SHIP DATE: 27OCT21
ACTWGT: 45.35 LB
CAD: 0785504/CAFE3507
DIMS: 28x16x15 IN

BILL SENDER

TO SAMPLE RECEIVING
EUROFINS CALSCIENCE, LLC
7440 LINCOLN WAY

GARDEN GROVE CA 92841

(714) 895-5494

REF:

DEPT:

320-80878 Waybill

Part # 159469-434 MTW EXP 07/22

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica CUSTODY

Signature:

Date:

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-80878-2

Login Number: 80878
List Number: 1
Creator: Garcia, Hilario A

List Source: Eurofins TestAmerica, Sacramento

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

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-80878-2

Login Number: 80878
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	2.5
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-80878-3
Client Project/Site: Cole School PEA
Revision: 1

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Mr. Nathan Diem

Authorized for release by:
12/14/2021 3:32:11 PM

Justinn Gonzales, Project Manager I
(925)484-1919
Justinn.Gonzales@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-3

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

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

Job ID: 320-80878-3

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-80878-3

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 11/19/2021. The report (revision 1) is being revised due to: Report samples to MDL per client request.

Receipt
The samples were received on 10/27/2021 12:54 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.3º C.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 320-542843 and analytical batch 320-543764 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-3

Client Sample ID: AOC1-S3-2 — Lab Sample ID: 320-80878-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	59	F1	0.99	0.26	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC1/AOC8-S4-2 — Lab Sample ID: 320-80878-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	46		0.50	0.13	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC1-S6-2 — Lab Sample ID: 320-80878-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	8.6		0.97	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC1-S11-2 — Lab Sample ID: 320-80878-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	19		1.0	0.26	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-3

Client Sample ID: AOC1-S3-2
Date Collected: 10/26/21 08:45
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-2
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	59	F1	0.99	0.26	mg/Kg		11/15/21 13:38	11/17/21 14:09	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-3

Client Sample ID: AOC1/AOC8-S4-2

Date Collected: 10/26/21 08:54
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-5

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	46		0.50	0.13	mg/Kg		11/15/21 13:38	11/17/21 14:36	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-3

Client Sample ID: AOC1-S6-2
Date Collected: 10/26/21 11:35
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-9
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.6		0.97	0.25	mg/Kg		11/15/21 13:38	11/17/21 14:39	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-3

Client Sample ID: AOC1-S11-2

Date Collected: 10/26/21 09:18
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-16

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19		1.0	0.26	mg/Kg		11/15/21 13:38	11/17/21 14:43	1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 320-542843/1-A
Matrix: Solid
Analysis Batch: 543764

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 542843

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.26	mg/Kg		11/15/21 13:38	11/17/21 14:01	1

Lab Sample ID: LCS 320-542843/2-A
Matrix: Solid
Analysis Batch: 543764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 542843

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			25.0	23.0		mg/Kg		92	80 - 120		

Lab Sample ID: 320-80878-2 MS
Matrix: Solid
Analysis Batch: 543764

Client Sample ID: AOC1-S3-2
Prep Type: Total/NA
Prep Batch: 542843

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	59	F1	24.5	151	F1	mg/Kg		375	80 - 120		

Lab Sample ID: 320-80878-2 MSD
Matrix: Solid
Analysis Batch: 543764

Client Sample ID: AOC1-S3-2
Prep Type: Total/NA
Prep Batch: 542843

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	59	F1	25.0	138	F1	mg/Kg		316	80 - 120	9	35

QC Association Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-3

Metals

Prep Batch: 542843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-2	AOC1-S3-2	Total/NA	Solid	3050B	
320-80878-5	AOC1/AOC8-S4-2	Total/NA	Solid	3050B	
320-80878-9	AOC1-S6-2	Total/NA	Solid	3050B	
320-80878-16	AOC1-S11-2	Total/NA	Solid	3050B	
MB 320-542843/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-542843/2-A	Lab Control Sample	Total/NA	Solid	3050B	
320-80878-2 MS	AOC1-S3-2	Total/NA	Solid	3050B	
320-80878-2 MSD	AOC1-S3-2	Total/NA	Solid	3050B	

Analysis Batch: 543764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-2	AOC1-S3-2	Total/NA	Solid	6010B	542843
320-80878-5	AOC1/AOC8-S4-2	Total/NA	Solid	6010B	542843
320-80878-9	AOC1-S6-2	Total/NA	Solid	6010B	542843
320-80878-16	AOC1-S11-2	Total/NA	Solid	6010B	542843
MB 320-542843/1-A	Method Blank	Total/NA	Solid	6010B	542843
LCS 320-542843/2-A	Lab Control Sample	Total/NA	Solid	6010B	542843
320-80878-2 MS	AOC1-S3-2	Total/NA	Solid	6010B	542843
320-80878-2 MSD	AOC1-S3-2	Total/NA	Solid	6010B	542843

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-3

Client Sample ID: AOC1-S3-2

Lab Sample ID: 320-80878-2

Date Collected: 10/26/21 08:45

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.01 g	100 mL	542843	11/15/21 13:38	JP	TAL SAC
Total/NA	Analysis	6010B		1			543764	11/17/21 14:09	SP	TAL SAC

Client Sample ID: AOC1/AOC8-S4-2

Lab Sample ID: 320-80878-5

Date Collected: 10/26/21 08:54

Matrix: Solid

Date Received: 10/27/21 12:54

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	100 mL	542843	11/15/21 13:38	JP	TAL SAC
Total/NA	Analysis	6010B		1			543764	11/17/21 14:36	SP	TAL SAC

Client Sample ID: AOC1-S6-2

Lab Sample ID: 320-80878-9

Date Collected: 10/26/21 11:35

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.03 g	100 mL	542843	11/15/21 13:38	JP	TAL SAC
Total/NA	Analysis	6010B		1			543764	11/17/21 14:39	SP	TAL SAC

Client Sample ID: AOC1-S11-2

Lab Sample ID: 320-80878-16

Date Collected: 10/26/21 09:18

Matrix: Solid

Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.00 g	100 mL	542843	11/15/21 13:38	JP	TAL SAC
Total/NA	Analysis	6010B		1			543764	11/17/21 14:43	SP	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-3

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-22

Method Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-3

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL SAC
3050B	Preparation, Metals	SW846	TAL SAC

Protocol References:

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

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-80878-2	AOC1-S3-2	Solid	10/26/21 08:45	10/27/21 12:54
320-80878-5	AOC1/AOC8-S4-2	Solid	10/26/21 08:54	10/27/21 12:54
320-80878-9	AOC1-S6-2	Solid	10/26/21 11:35	10/27/21 12:54
320-80878-16	AOC1-S11-2	Solid	10/26/21 09:18	10/27/21 12:54

Gonzales, Justinn

From: Nathan Diem <ndiem@ninyoandmoore.com>
Sent: Friday, November 12, 2021 6:48 AM
To: Caparas, Criselda
Cc: Gonzales, Justinn
Subject: RE: Preliminary Data-Eurofins TestAmerica report files from 320-80878-1 Cole School PEA

Follow Up Flag: Follow up
Flag Status: Flagged

EXTERNAL EMAIL*

Hi Criselda,

I need to run lead for the following samples:

- AOC1-S3-2
- AOC1/AOC8-S4-2
- AOC1-S6-2
- AOC1-S11-2

Thank you,

Nathan Diem
Project Geologist
Ninyo & Moore
510.343.3000 (**x15226**)

From: Criselda Caparas [mailto:Criselda.Caparas@Eurofinset.com]
Sent: Thursday, November 11, 2021 8:21 AM
To: Daysi Nemecio Rodriguez <dnemeciorodriguez@ninyoandmoore.com>; Nathan Diem <ndiem@ninyoandmoore.com>
Subject: Preliminary Data-Eurofins TestAmerica report files from 320-80878-1 Cole School PEA

Hello,

This is a Preliminary Data- still waiting on few more PCB results

Attached please find the report files for job 320-80878-1; Cole School PEA

Please feel free to contact me or your PM Justinn Gonzales if you have any questions.

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-80878-3

Login Number: 80878
List Number: 1
Creator: Garcia, Hilario A

List Source: Eurofins TestAmerica, Sacramento

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

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-80878-3

Login Number: 80878
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	2.5
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-80878-5
Client Project/Site: Cole School PEA

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Mr. Nathan Diem

Authorized for release by:
12/14/2021 3:36:15 PM

Justinn Gonzales, Project Manager I
(925)484-1919
Justinn.Gonzales@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-5

Qualifiers

Metals

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

Glossary

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

Case Narrative

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-5

Job ID: 320-80878-5

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-80878-5

Comments
No additional comments.

Receipt
The samples were received on 10/27/2021 12:54 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.3º C.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 320-549145 and analytical batch 320-549638 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-5

Client Sample ID: AOC3-S1B-2 — Lab Sample ID: 320-80878-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	28	B F1	0.96	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S1C-2 — Lab Sample ID: 320-80878-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	33	B	0.96	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S2B-2 — Lab Sample ID: 320-80878-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	40	B	0.96	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S2C-2 — Lab Sample ID: 320-80878-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	28	B	0.97	0.25	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-5

Client Sample ID: AOC3-S1B-2

Date Collected: 10/26/21 14:26
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-28

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	28	B F1	0.96	0.25	mg/Kg		12/08/21 15:20	12/09/21 15:49	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-5

Client Sample ID: AOC3-S1C-2

Date Collected: 10/26/21 15:09
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-30

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	33	B	0.96	0.25	mg/Kg		12/08/21 15:20	12/09/21 16:12	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-5

Client Sample ID: AOC3-S2B-2

Date Collected: 10/26/21 14:54
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-32

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	40	B	0.96	0.25	mg/Kg		12/08/21 15:20	12/09/21 16:16	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-5

Client Sample ID: AOC3-S2C-2
Date Collected: 10/26/21 14:46
Date Received: 10/27/21 12:54

Lab Sample ID: 320-80878-34
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	28	B	0.97	0.25	mg/Kg		12/08/21 15:20	12/09/21 16:21	1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 320-549145/1-A
Matrix: Solid
Analysis Batch: 549638

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 549145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.333	J	1.0	0.26	mg/Kg		12/08/21 15:20	12/09/21 15:40	1

Lab Sample ID: LCS 320-549145/2-A
Matrix: Solid
Analysis Batch: 549638

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 549145

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			25.0	22.8		mg/Kg		91	80 - 120		

Lab Sample ID: 320-80878-28 MS
Matrix: Solid
Analysis Batch: 549638

Client Sample ID: AOC3-S1B-2
Prep Type: Total/NA
Prep Batch: 549145

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	28	B F1	24.0	41.0	F1	mg/Kg		55	80 - 120		

Lab Sample ID: 320-80878-28 MSD
Matrix: Solid
Analysis Batch: 549638

Client Sample ID: AOC3-S1B-2
Prep Type: Total/NA
Prep Batch: 549145

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	28	B F1	25.0	45.4	F1	mg/Kg		71	80 - 120	10	35

QC Association Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-5

Metals

Prep Batch: 549145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-28	AOC3-S1B-2	Total/NA	Solid	3050B	
320-80878-30	AOC3-S1C-2	Total/NA	Solid	3050B	
320-80878-32	AOC3-S2B-2	Total/NA	Solid	3050B	
320-80878-34	AOC3-S2C-2	Total/NA	Solid	3050B	
MB 320-549145/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-549145/2-A	Lab Control Sample	Total/NA	Solid	3050B	
320-80878-28 MS	AOC3-S1B-2	Total/NA	Solid	3050B	
320-80878-28 MSD	AOC3-S1B-2	Total/NA	Solid	3050B	

Analysis Batch: 549638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80878-28	AOC3-S1B-2	Total/NA	Solid	6010B	549145
320-80878-30	AOC3-S1C-2	Total/NA	Solid	6010B	549145
320-80878-32	AOC3-S2B-2	Total/NA	Solid	6010B	549145
320-80878-34	AOC3-S2C-2	Total/NA	Solid	6010B	549145
MB 320-549145/1-A	Method Blank	Total/NA	Solid	6010B	549145
LCS 320-549145/2-A	Lab Control Sample	Total/NA	Solid	6010B	549145
320-80878-28 MS	AOC3-S1B-2	Total/NA	Solid	6010B	549145
320-80878-28 MSD	AOC3-S1B-2	Total/NA	Solid	6010B	549145

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-5

Client Sample ID: AOC3-S1B-2

Lab Sample ID: 320-80878-28
Date Collected: 10/26/21 14:26
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.04 g	100 mL	549145	12/08/21 15:20	JP	TAL SAC
Total/NA	Analysis	6010B		1			549638	12/09/21 15:49	GSH	TAL SAC

Client Sample ID: AOC3-S1C-2

Lab Sample ID: 320-80878-30
Date Collected: 10/26/21 15:09
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.04 g	100 mL	549145	12/08/21 15:20	JP	TAL SAC
Total/NA	Analysis	6010B		1			549638	12/09/21 16:12	GSH	TAL SAC

Client Sample ID: AOC3-S2B-2

Lab Sample ID: 320-80878-32
Date Collected: 10/26/21 14:54
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.04 g	100 mL	549145	12/08/21 15:20	JP	TAL SAC
Total/NA	Analysis	6010B		1			549638	12/09/21 16:16	GSH	TAL SAC

Client Sample ID: AOC3-S2C-2

Lab Sample ID: 320-80878-34
Date Collected: 10/26/21 14:46
Matrix: Solid
Date Received: 10/27/21 12:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.03 g	100 mL	549145	12/08/21 15:20	JP	TAL SAC
Total/NA	Analysis	6010B		1			549638	12/09/21 16:21	GSH	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-5

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-22

Method Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-5

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL SAC
3050B	Preparation, Metals	SW846	TAL SAC

Protocol References:

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

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80878-5

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-80878-28	AOC3-S1B-2	Solid	10/26/21 14:26	10/27/21 12:54
320-80878-30	AOC3-S1C-2	Solid	10/26/21 15:09	10/27/21 12:54
320-80878-32	AOC3-S2B-2	Solid	10/26/21 14:54	10/27/21 12:54
320-80878-34	AOC3-S2C-2	Solid	10/26/21 14:46	10/27/21 12:54

Gonzales, Justinn

From: Nathan Diem <ndiem@ninyoandmoore.com>
Sent: Monday, December 6, 2021 9:38 AM
To: Gonzales, Justinn
Subject: RE: Eurofins TestAmerica report and EDD files from 320-80943-1 Cole School PEA

EXTERNAL EMAIL*

Thank you.

Can you see if the samples below were run for lead? If not, please analyze those on 5 TAT.

AOC3-S1B-2
AOC3-S1C-2
AOC3-S2B-2
AOC3-S2C-2

Nathan Diem
Project Geologist
Ninyo & Moore
510.343.3000 (**x15226**)

From: Gonzales, Justinn [mailto:Justinn.Gonzales@Eurofinset.com]
Sent: Monday, December 6, 2021 8:56 AM
To: Nathan Diem <ndiem@ninyoandmoore.com>
Subject: RE: Eurofins TestAmerica report and EDD files from 320-80943-1 Cole School PEA

Hi Nathan,
Let me see what the lab do.
Kind Regards,

Justinn Gonzales
Project Manager

Please take a minute to rate our service!

Phone: 925-484-1919
Direct: 916-374-4344

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-80878-5

Login Number: 80878
List Number: 1
Creator: Garcia, Hilario A

List Source: Eurofins TestAmerica, Sacramento

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

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-80878-5

Login Number: 80878
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	2.5
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-80943-1
Client Project/Site: Cole School PEA
Revision: 1

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Mr. Nathan Diem

Authorized for release by:
12/15/2021 9:20:26 AM

Justinn Gonzales, Project Manager I
(925)484-1919
Justinn.Gonzales@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
P	The %RPD between the primary and confirmation column/detector is >40%. The higher value has been reported
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
L	A negative instrument reading had an absolute value greater than the reporting limit

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 320-80943-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-80943-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 12/3/2021. The report (revision 1) is being revised due to: Report samples to MDL per client request.

Receipt
The samples were received on 10/28/2021 12:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.4º C and 2.5º C.

GC/MS Semi VOA
Method 8270C: The following samples were diluted due to the nature of the sample matrix: AOC3/AOC10-S8A-0.5 (320-80943-23), AOC3/AOC10-S8A-2 (320-80943-24), AOC3/AOC10-S8B-0.5 (320-80943-25), AOC3/AOC10-S8B-2 (320-80943-26), AOC3/AOC10-S9C-0.5 (320-80943-27), AOC3/AOC10-S9C-0.5DUP (320-80943-28) and AOC3/AOC10-S9C-2 (320-80943-29). Elevated reporting limits (RLs) are provided.

Method 8270C: The following samples were diluted due to the nature of the sample matrix: AOC3/AOC10-S8A-0.5 (320-80943-23), AOC3/AOC10-S8A-2 (320-80943-24), AOC3/AOC10-S8B-0.5 (320-80943-25), AOC3/AOC10-S8B-2 (320-80943-26), AOC3/AOC10-S9C-0.5 (320-80943-27), AOC3/AOC10-S9C-0.5DUP (320-80943-28) and AOC3/AOC10-S9C-2 (320-80943-29). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8270C: The following samples were diluted due to the nature of the sample matrix: (320-80943-A-29-E MS) and (320-80943-A-29-F MSD). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8270C SIM: The following samples were diluted due to the nature of the sample matrix: (320-80943-A-29-B MS) and (320-80943-A-29-C MSD). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270C SIM: The following samples were diluted due to the nature of the sample matrix: AOC3/AOC10-S8A-0.5 (320-80943-23), AOC3/AOC10-S8B-0.5 (320-80943-25), AOC3/AOC10-S9C-0.5 (320-80943-27), AOC3/AOC10-S9C-0.5DUP (320-80943-28) and AOC3/AOC10-S9C-2 (320-80943-29). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

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

GC Semi VOA
Method 8081A: Surrogate recovery for the following samples were outside control limits: AOC3/AOC10-S8B-0.5 (320-80943-25), AOC3/AOC10-S8B-2 (320-80943-26) and AOC3-S6C-2 (320-80943-37). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: AOC3/AOC10-S8B-0.5 (320-80943-25), AOC3/AOC10-S9C-0.5 (320-80943-27), AOC3/AOC10-S9C-0.5DUP (320-80943-28), AOC3-S8D-0.5 (320-80943-30), AOC3-S7C-0.5 (320-80943-34) and AOC3-S7D-0.5 (320-80943-38). Elevated reporting limits (RLs) are provided.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: AOC3/AOC10-S9C-2 (320-80943-29), AOC3/AOC8-S8C-0.5 (320-80943-32) and AOC3-S6C-0.5 (320-80943-36). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: AOC3-S3B-0.5 (320-80943-1), AOC3-S3B-2 (320-80943-2), AOC3/AOC8-S5B-2 (320-80943-14) and AOC3-S6B-0.5 (320-80943-15). Elevated reporting limits (RLs) are provided.

Job ID: 320-80943-1 (Continued)

Laboratory: Eurofins TestAmerica, Sacramento (Continued)

Method 8081A: The following samples were diluted due to the nature of the sample matrix: AOC3-S2A-0.5 (320-80943-3), AOC3-S3A-0.5 (320-80943-5), AOC3-S4A-2 (320-80943-8), AOC3-S5A-0.5 (320-80943-9), AOC3-S4B-0.5 (320-80943-11), AOC3/AOC8-S5B-0.5 (320-80943-13) and AOC3-S6A-0.5 (320-80943-17). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8081A: Surrogate recovery for the following samples were outside control limits: AOC3-S3B-0.5 (320-80943-1), AOC3-S2A-2 (320-80943-4), AOC3-S3A-2 (320-80943-6), AOC3-S4B-2 (320-80943-12), (320-80943-A-16-B MS) and (320-80943-A-16-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8081A: Surrogate recovery for the following sample was outside control limits: AOC3-S5C-2 (320-80943-41). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8081A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 320-539858 and analytical batch 320-542188 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: AOC3-S7A-0.5 (320-80943-19), AOC3-S7B-0.5 (320-80943-21), AOC3/AOC10-S8A-0.5 (320-80943-23) and AOC3-S5C-0.5 (320-80943-40). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: AOC3-S6A-2 (320-80943-18) and AOC3-S7B-2 (320-80943-22). Elevated reporting limits (RLs) are provided.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: (320-80943-A-19-C MS) and (320-80943-A-19-D MSD). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: AOC3-S4C-0.5 (320-80943-42), AOC3-S3C-0.5 (320-80943-44), AOC3/AOC8-S1E-0.5 (320-80943-50), AOC3-S2E-0.5 (320-80943-52), AOC3-S3E-0.5 (320-80943-54), AOC3-S3D-0.5 (320-80943-56), AOC3-S4D-0.5 (320-80943-58) and AOC3-S4E-0.5 (320-80943-60). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: (320-80943-A-42-C MS) and (320-80943-A-42-D MSD). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: AOC3-S3C-2 (320-80943-45), AOC3-S1D-0.5 (320-80943-46) and AOC3/AOC8-S2D-0.5 (320-80943-48). Elevated reporting limits (RLs) are provided.

Method 8081A: The %RPD between the primary and confirmation column exceeded 40% for 4,4'-DDE for the following sample: AOC3-S5A-0.5 (320-80943-9). The results from primary column have been reported and qualified in accordance with the laboratory's SOP.

Method 8081A: The %RPD between the primary and confirmation column exceeded 40% for Endrin ketone, trans-Chlordane, 4,4'-DDD, 4,4'-DDE and Methoxychlorfor the following samples: (320-80943-A-42-C MS) and (320-80943-A-42-D MSD). The results from the primary column have been reported and qualified in accordance with the laboratory's SOP. 320-80943-42[MS] for Endrin ketone, trans-Chlordane, 4,4'-DDD, 4,4'-DDE and Methoxychlor. 320-80943-42[MSD] for Endrin ketone, 4,4'-DDD and Methoxychlor.

Method 8082: Surrogate recovery for the following samples were outside control limits: AOC3-S7B-0.5 (320-80943-21), AOC3/AOC10-S8A-0.5 (320-80943-23), (320-80943-A-21-D MS), AOC3/AOC10-S9C-0.5DUP (320-80943-28), AOC3-S5C-0.5 (320-80943-40), (320-80943-A-40-D MS), AOC3-S3B-0.5 (320-80943-1) and AOC3-S4C-0.5 (320-80943-42). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8082: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 320-539860 and

Job ID: 320-80943-1 (Continued)

Laboratory: Eurofins TestAmerica, Sacramento (Continued)

analytical batch 320-541881 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected.

Method 8082: The continuing calibration verification (CCV) associated with batch 320-541881 recovered above the upper control limit for DCB Decachlorobiphenyl. The samples associated with this CCV were non-detects for all PCB mixtures; therefore, the data have been reported. The associated samples are impacted: AOC3/AOC10-S8B-0.5 (320-80943-25), AOC3/AOC10-S9C-0.5 (320-80943-27), AOC3/AOC10-S9C-0.5DUP (320-80943-28), AOC3-S8D-0.5 (320-80943-30), AOC3/AOC8-S8C-0.5 (320-80943-32), AOC3-S7C-0.5 (320-80943-34), AOC3-S6C-0.5 (320-80943-36), AOC3-S7D-0.5 (320-80943-38), AOC3-S5C-0.5 (320-80943-40), (CCVRT 320-541881/3), (LCS 320-539860/2-A), (MB 320-539860/1-A), (320-80943-A-40-D MS) and (320-80943-A-40-E MSD).

Method 8082: The continuing calibration verification (CCV) associated with batch 320-543551 recovered above the upper control limit for PCB-1254. The samples associated with this CCV were non-detect for all PCB mixtures; therefore, the data have been reported. The associated samples are impacted: AOC3-S4C-0.5 (320-80943-42), AOC3-S3C-0.5 (320-80943-44), AOC3-S1D-0.5 (320-80943-46), AOC3/AOC8-S2D-0.5 (320-80943-48), AOC3/AOC8-S1E-0.5 (320-80943-50), AOC3-S2E-0.5 (320-80943-52), AOC3-S3E-0.5 (320-80943-54), AOC3-S3D-0.5 (320-80943-56), AOC3-S4D-0.5 (320-80943-58), AOC3-S4E-0.5 (320-80943-60), (CCV 320-543551/4), (LCS 320-540587/2-A) and (MB 320-540587/1-A).

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

Metals

Method 6010B: The matrix spike (MS) recoveries for preparation batch 320-538889 and analytical batch 320-539464 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: The absolute response for Arsenic and Molybdenum was greater than the method reporting limit (RL) in the following sample: AOC3-S1D-0.5 (320-80943-46). The instrument raw data has been manually reviewed and the result can be reported as ND.

Method 6010B: The absolute response for Selenium was greater than the method reporting limit (RL) in the following sample: AOC3/AOC10-S8A-2 (320-80943-24). The instrument raw data has been manually reviewed and the result can be reported as ND.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-192816 and analytical batch 570-193608 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: Due to the high concentration of Lead, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 570-192816 and analytical batch 570-193608 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

Organic Prep

Method 3550B: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume of 1mL,it was concentrated to final volume of 10mL. The reporting limits (RLs) are elevated proportionately. Samples are associated with method 8270C solids in preparation batch 320-539206 and 320-539206.

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

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S3B-0.5 — Lab Sample ID: 320-80943-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	130		0.67	0.17	mg/Kg	1		6010B	Total/NA
Arsenic	7.3	F1	1.3	0.87	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S3B-2 — Lab Sample ID: 320-80943-2

No Detections.

Client Sample ID: AOC3-S2A-0.5 — Lab Sample ID: 320-80943-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	55		0.66	0.17	mg/Kg	1		6010B	Total/NA
Arsenic	6.5		1.3	0.86	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S2A-2 — Lab Sample ID: 320-80943-4

No Detections.

Client Sample ID: AOC3-S3A-0.5 — Lab Sample ID: 320-80943-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	110		0.98	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	6.1		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S3A-2 — Lab Sample ID: 320-80943-6

No Detections.

Client Sample ID: AOC3-S4A-0.5 — Lab Sample ID: 320-80943-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.24	J	1.7	0.20	ug/Kg	1		8081A	Total/NA
Lead	36		1.0	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	2.1		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S4A-2 — Lab Sample ID: 320-80943-8

No Detections.

Client Sample ID: AOC3-S5A-0.5 — Lab Sample ID: 320-80943-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	5.7	J P	17	2.5	ug/Kg	10		8081A	Total/NA
Barium	84	F1	0.52	0.23	mg/Kg	1		6010B	Total/NA
Cadmium	0.30	J	0.52	0.21	mg/Kg	1		6010B	Total/NA
Cobalt	2.9		1.0	0.23	mg/Kg	1		6010B	Total/NA
Chromium	10		1.0	0.18	mg/Kg	1		6010B	Total/NA
Copper	15		1.0	0.52	mg/Kg	1		6010B	Total/NA
Nickel	14		0.52	0.44	mg/Kg	1		6010B	Total/NA
Vanadium	8.6		1.0	0.18	mg/Kg	1		6010B	Total/NA
Zinc	98	F1	10	5.3	mg/Kg	1		6010B	Total/NA
Lead	160		5.2	1.0	mg/Kg	1		6010B	Total/NA
Mercury	0.16		0.082	0.013	mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S5A-2 — Lab Sample ID: 320-80943-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor	0.70	J	1.6	0.15	ug/Kg	1		8081A	Total/NA

Client Sample ID: AOC3-S4B-0.5 — Lab Sample ID: 320-80943-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	290		1.0	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	4.5		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S4B-2 — Lab Sample ID: 320-80943-12

No Detections.

Client Sample ID: AOC3/AOC8-S5B-0.5 — Lab Sample ID: 320-80943-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	3.8	J	16	2.0	ug/Kg	10		8081A	Total/NA
4,4'-DDT	4.1	J	16	2.4	ug/Kg	10		8081A	Total/NA
Lead	77		1.0	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	11		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3/AOC8-S5B-2 — Lab Sample ID: 320-80943-14

No Detections.

Client Sample ID: AOC3-S6B-0.5 — Lab Sample ID: 320-80943-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	860		0.97	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	2.8		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S6B-2 — Lab Sample ID: 320-80943-16

No Detections.

Client Sample ID: AOC3-S6A-0.5 — Lab Sample ID: 320-80943-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1260	3.2	J	33	2.7	ug/Kg	1		8082	Total/NA
Lead	260		0.98	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	3.9		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S6A-2 — Lab Sample ID: 320-80943-18

No Detections.

Client Sample ID: AOC3-S7A-0.5 — Lab Sample ID: 320-80943-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	300		0.97	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	3.3		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S7A-2 — Lab Sample ID: 320-80943-20

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S7B-0.5 — Lab Sample ID: 320-80943-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	180		0.98	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	3.5		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S7B-2 — Lab Sample ID: 320-80943-22

No Detections.

Client Sample ID: AOC3/AOC10-S8A-0.5 — Lab Sample ID: 320-80943-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	82	J	250	36	ug/Kg	50		8270C SIM	Total/NA
Phenanthrene	36	J	250	36	ug/Kg	50		8270C SIM	Total/NA
PCB-1260	3.2	J	32	2.6	ug/Kg	1		8082	Total/NA
Barium	140		0.49	0.22	mg/Kg	1		6010B	Total/NA
Beryllium	0.29		0.25	0.17	mg/Kg	1		6010B	Total/NA
Cadmium	0.62		0.49	0.20	mg/Kg	1		6010B	Total/NA
Cobalt	4.9		0.99	0.22	mg/Kg	1		6010B	Total/NA
Chromium	22		0.99	0.17	mg/Kg	1		6010B	Total/NA
Copper	24		0.99	0.50	mg/Kg	1		6010B	Total/NA
Nickel	21		0.49	0.42	mg/Kg	1		6010B	Total/NA
Vanadium	18		0.99	0.17	mg/Kg	1		6010B	Total/NA
Zinc	160		9.9	5.0	mg/Kg	1		6010B	Total/NA
Lead	310		4.9	0.95	mg/Kg	1		6010B	Total/NA
Mercury	0.12		0.085	0.014	mg/Kg	1		7471A	Total/NA

Client Sample ID: AOC3/AOC10-S8A-2 — Lab Sample ID: 320-80943-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	1.5	J	4.9	0.75	ug/Kg	1		8270C SIM	Total/NA
Benzo[g,h,i]perylene	0.89	J	4.9	0.70	ug/Kg	1		8270C SIM	Total/NA
Chrysene	2.7	J	4.9	0.70	ug/Kg	1		8270C SIM	Total/NA
Phenanthrene	1.3	J	4.9	0.70	ug/Kg	1		8270C SIM	Total/NA
Pyrene	1.0	J	4.9	0.73	ug/Kg	1		8270C SIM	Total/NA
Barium	110		0.48	0.21	mg/Kg	1		6010B	Total/NA
Beryllium	0.34		0.24	0.16	mg/Kg	1		6010B	Total/NA
Cadmium	0.68		0.48	0.19	mg/Kg	1		6010B	Total/NA
Cobalt	7.0		0.95	0.22	mg/Kg	1		6010B	Total/NA
Chromium	33		0.95	0.17	mg/Kg	1		6010B	Total/NA
Copper	13		0.95	0.48	mg/Kg	1		6010B	Total/NA
Nickel	27		0.48	0.41	mg/Kg	1		6010B	Total/NA
Vanadium	22		0.95	0.16	mg/Kg	1		6010B	Total/NA
Zinc	51		9.5	4.9	mg/Kg	1		6010B	Total/NA
Lead	94		4.8	0.92	mg/Kg	1		6010B	Total/NA
Mercury	0.19		0.083	0.014	mg/Kg	1		7471A	Total/NA

Client Sample ID: AOC3/AOC10-S8B-0.5 — Lab Sample ID: 320-80943-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	88	J	230	33	ug/Kg	50		8270C SIM	Total/NA
Barium	76		0.51	0.23	mg/Kg	1		6010B	Total/NA
Beryllium	0.24	J	0.26	0.18	mg/Kg	1		6010B	Total/NA
Cadmium	0.32	J	0.51	0.21	mg/Kg	1		6010B	Total/NA
Cobalt	4.2		1.0	0.23	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: AOC3/AOC10-S8B-0.5 (Continued) — Lab Sample ID: 320-80943-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	27		1.0	0.18	mg/Kg	1		6010B	Total/NA
Copper	6.4		1.0	0.52	mg/Kg	1		6010B	Total/NA
Nickel	21		0.51	0.44	mg/Kg	1		6010B	Total/NA
Vanadium	14		1.0	0.18	mg/Kg	1		6010B	Total/NA
Zinc	20		10	5.2	mg/Kg	1		6010B	Total/NA
Lead	3.8	J	5.1	0.99	mg/Kg	1		6010B	Total/NA
Mercury	0.16		0.086	0.014	mg/Kg	1		7471A	Total/NA

Client Sample ID: AOC3/AOC10-S8B-2 — Lab Sample ID: 320-80943-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	1.0	J	4.6	0.71	ug/Kg	1		8270C SIM	Total/NA
Benzo[g,h,i]perylene	0.73	J	4.6	0.66	ug/Kg	1		8270C SIM	Total/NA
Chrysene	2.7	J	4.6	0.66	ug/Kg	1		8270C SIM	Total/NA
Phenanthrene	1.3	J	4.6	0.66	ug/Kg	1		8270C SIM	Total/NA
Pyrene	0.81	J	4.6	0.69	ug/Kg	1		8270C SIM	Total/NA
Barium	120		0.51	0.22	mg/Kg	1		6010B	Total/NA
Beryllium	0.34		0.25	0.17	mg/Kg	1		6010B	Total/NA
Cadmium	0.70		0.51	0.20	mg/Kg	1		6010B	Total/NA
Cobalt	5.7		1.0	0.23	mg/Kg	1		6010B	Total/NA
Chromium	22		1.0	0.18	mg/Kg	1		6010B	Total/NA
Copper	26		1.0	0.51	mg/Kg	1		6010B	Total/NA
Nickel	20		0.51	0.43	mg/Kg	1		6010B	Total/NA
Vanadium	17		1.0	0.17	mg/Kg	1		6010B	Total/NA
Zinc	120		10	5.2	mg/Kg	1		6010B	Total/NA
Lead	150		5.1	0.98	mg/Kg	1		6010B	Total/NA
Mercury	0.18		0.082	0.013	mg/Kg	1		7471A	Total/NA

Client Sample ID: AOC3/AOC10-S9C-0.5 — Lab Sample ID: 320-80943-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	91	J	250	35	ug/Kg	50		8270C SIM	Total/NA
Phenanthrene	47	J	250	35	ug/Kg	50		8270C SIM	Total/NA
Barium	110		0.52	0.23	mg/Kg	1		6010B	Total/NA
Beryllium	0.31		0.26	0.18	mg/Kg	1		6010B	Total/NA
Cadmium	0.63		0.52	0.21	mg/Kg	1		6010B	Total/NA
Cobalt	5.2		1.0	0.24	mg/Kg	1		6010B	Total/NA
Chromium	17		1.0	0.18	mg/Kg	1		6010B	Total/NA
Copper	29		1.0	0.53	mg/Kg	1		6010B	Total/NA
Nickel	18		0.52	0.44	mg/Kg	1		6010B	Total/NA
Vanadium	15		1.0	0.18	mg/Kg	1		6010B	Total/NA
Zinc	120		10	5.3	mg/Kg	1		6010B	Total/NA
Lead	600		5.2	1.0	mg/Kg	1		6010B	Total/NA
Mercury	0.12		0.083	0.014	mg/Kg	1		7471A	Total/NA

Client Sample ID: AOC3/AOC10-S9C-0.5DUP — Lab Sample ID: 320-80943-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	37	J	250	35	ug/Kg	50		8270C SIM	Total/NA
Chrysene	110	J	250	36	ug/Kg	50		8270C SIM	Total/NA
Phenanthrene	54	J	250	36	ug/Kg	50		8270C SIM	Total/NA
Pyrene	44	J	250	37	ug/Kg	50		8270C SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: AOC3/AOC10-S9C-0.5DUP (Continued) — Lab Sample ID: 320-80943-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	73		0.50	0.22	mg/Kg	1		6010B	Total/NA
Cadmium	0.50		0.50	0.20	mg/Kg	1		6010B	Total/NA
Cobalt	4.3		1.0	0.23	mg/Kg	1		6010B	Total/NA
Chromium	12		1.0	0.18	mg/Kg	1		6010B	Total/NA
Copper	14		1.0	0.51	mg/Kg	1		6010B	Total/NA
Nickel	13		0.50	0.43	mg/Kg	1		6010B	Total/NA
Vanadium	11		1.0	0.17	mg/Kg	1		6010B	Total/NA
Zinc	86		10	5.1	mg/Kg	1		6010B	Total/NA
Lead	120		5.0	0.97	mg/Kg	1		6010B	Total/NA
Mercury	0.15		0.085	0.014	mg/Kg	1		7471A	Total/NA

Client Sample ID: AOC3/AOC10-S9C-2 — Lab Sample ID: 320-80943-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	45	J F2 F1	250	35	ug/Kg	50		8270C SIM	Total/NA
Barium	110		0.49	0.22	mg/Kg	1		6010B	Total/NA
Beryllium	0.21	J	0.24	0.17	mg/Kg	1		6010B	Total/NA
Cadmium	0.49		0.49	0.20	mg/Kg	1		6010B	Total/NA
Cobalt	4.0		0.98	0.22	mg/Kg	1		6010B	Total/NA
Chromium	22		0.98	0.17	mg/Kg	1		6010B	Total/NA
Copper	14		0.98	0.49	mg/Kg	1		6010B	Total/NA
Nickel	19		0.49	0.42	mg/Kg	1		6010B	Total/NA
Vanadium	14		0.98	0.17	mg/Kg	1		6010B	Total/NA
Zinc	84		9.8	5.0	mg/Kg	1		6010B	Total/NA
Lead	99		4.9	0.94	mg/Kg	1		6010B	Total/NA
Mercury	0.18		0.079	0.013	mg/Kg	1		7471A	Total/NA

Client Sample ID: AOC3-S8D-0.5 — Lab Sample ID: 320-80943-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1260	5.0	J P	33	2.7	ug/Kg	1		8082	Total/NA
Lead	110		1.0	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	9.2		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S8D-2 — Lab Sample ID: 320-80943-31

No Detections.

Client Sample ID: AOC3/AOC8-S8C-0.5 — Lab Sample ID: 320-80943-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	180		1.0	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	5.4		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3/AOC8-S8C-2 — Lab Sample ID: 320-80943-33

No Detections.

Client Sample ID: AOC3-S7C-0.5 — Lab Sample ID: 320-80943-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	200		0.99	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	3.6		2.0	1.3	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S7C-2 — Lab Sample ID: 320-80943-35

No Detections.

Client Sample ID: AOC3-S6C-0.5 — Lab Sample ID: 320-80943-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	150		0.96	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	6.2		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S6C-2 — Lab Sample ID: 320-80943-37

No Detections.

Client Sample ID: AOC3-S7D-0.5 — Lab Sample ID: 320-80943-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	140		0.50	0.22	mg/Kg	1		6010B	Total/NA
Beryllium	0.24	J	0.25	0.17	mg/Kg	1		6010B	Total/NA
Cadmium	0.58		0.50	0.20	mg/Kg	1		6010B	Total/NA
Cobalt	5.5		1.0	0.23	mg/Kg	1		6010B	Total/NA
Chromium	12		1.0	0.18	mg/Kg	1		6010B	Total/NA
Copper	15		1.0	0.51	mg/Kg	1		6010B	Total/NA
Nickel	15		0.50	0.43	mg/Kg	1		6010B	Total/NA
Vanadium	14		1.0	0.17	mg/Kg	1		6010B	Total/NA
Zinc	58		10	5.1	mg/Kg	1		6010B	Total/NA
Lead	55		5.0	0.97	mg/Kg	1		6010B	Total/NA
Mercury	0.19		0.086	0.014	mg/Kg	1		7471A	Total/NA

Client Sample ID: AOC3-S7D-2 — Lab Sample ID: 320-80943-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	49		0.52	0.23	mg/Kg	1		6010B	Total/NA
Beryllium	0.18	J	0.26	0.18	mg/Kg	1		6010B	Total/NA
Cadmium	0.26	J	0.52	0.21	mg/Kg	1		6010B	Total/NA
Cobalt	3.9		1.0	0.23	mg/Kg	1		6010B	Total/NA
Chromium	20		1.0	0.18	mg/Kg	1		6010B	Total/NA
Copper	4.2		1.0	0.52	mg/Kg	1		6010B	Total/NA
Nickel	14		0.52	0.44	mg/Kg	1		6010B	Total/NA
Vanadium	14		1.0	0.18	mg/Kg	1		6010B	Total/NA
Zinc	14		10	5.3	mg/Kg	1		6010B	Total/NA
Lead	3.0	J	5.2	1.0	mg/Kg	1		6010B	Total/NA
Mercury	0.093		0.082	0.013	mg/Kg	1		7471A	Total/NA

Client Sample ID: AOC3-S5C-0.5 — Lab Sample ID: 320-80943-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	140		0.95	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	7.6		1.9	1.2	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S5C-2 — Lab Sample ID: 320-80943-41

No Detections.

Client Sample ID: AOC3-S4C-0.5 — Lab Sample ID: 320-80943-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	65		0.96	0.25	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: AOC3-S4C-0.5 (Continued) — Lab Sample ID: 320-80943-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S4C-2 — Lab Sample ID: 320-80943-43

No Detections.

Client Sample ID: AOC3-S3C-0.5 — Lab Sample ID: 320-80943-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	54		0.98	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	15		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S3C-2 — Lab Sample ID: 320-80943-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	230		1.0	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	3.7		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S1D-0.5 — Lab Sample ID: 320-80943-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	150		0.51	0.23	mg/Kg	1		6010B	Total/NA
Beryllium	0.33		0.25	0.17	mg/Kg	1		6010B	Total/NA
Cadmium	0.81		0.51	0.20	mg/Kg	1		6010B	Total/NA
Cobalt	9.9		1.0	0.23	mg/Kg	1		6010B	Total/NA
Chromium	7.1		1.0	0.18	mg/Kg	1		6010B	Total/NA
Copper	18		1.0	0.51	mg/Kg	1		6010B	Total/NA
Nickel	13		0.51	0.44	mg/Kg	1		6010B	Total/NA
Antimony	1.9	J	3.0	1.4	mg/Kg	1		6010B	Total/NA
Vanadium	19		1.0	0.17	mg/Kg	1		6010B	Total/NA
Zinc	67		10	5.2	mg/Kg	1		6010B	Total/NA
Lead	6.2		5.1	0.98	mg/Kg	1		6010B	Total/NA
Mercury	0.13		0.083	0.014	mg/Kg	1		7471A	Total/NA

Client Sample ID: AOC3-S1D-2 — Lab Sample ID: 320-80943-47

No Detections.

Client Sample ID: AOC3/AOC8-S2D-0.5 — Lab Sample ID: 320-80943-48

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	100		0.98	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	9.0		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3/AOC8-S2D-2 — Lab Sample ID: 320-80943-49

No Detections.

Client Sample ID: AOC3/AOC8-S1E-0.5 — Lab Sample ID: 320-80943-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	7.8		0.95	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	6.8		1.9	1.2	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC8-S1E-2 — Lab Sample ID: 320-80943-51

No Detections.

Client Sample ID: AOC3-S2E-0.5 — Lab Sample ID: 320-80943-52

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	100	B	1.0	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	10		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S2E-2 — Lab Sample ID: 320-80943-53

No Detections.

Client Sample ID: AOC3-S3E-0.5 — Lab Sample ID: 320-80943-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor	2.6	J	16	1.4	ug/Kg	10		8081A	Total/NA
Lead	65	B	0.95	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	16		1.9	1.2	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S3E-2 — Lab Sample ID: 320-80943-55

No Detections.

Client Sample ID: AOC3-S3D-0.5 — Lab Sample ID: 320-80943-56

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	100	B	0.95	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	10		1.9	1.2	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S3D-2 — Lab Sample ID: 320-80943-57

No Detections.

Client Sample ID: AOC3-S4D-0.5 — Lab Sample ID: 320-80943-58

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	140	B	0.95	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	6.2		1.9	1.2	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S4D-2 — Lab Sample ID: 320-80943-59

No Detections.

Client Sample ID: AOC3-S4E-0.5 — Lab Sample ID: 320-80943-60

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	36		0.52	0.23	mg/Kg	1		6010B	Total/NA
Cobalt	1.4		1.0	0.24	mg/Kg	1		6010B	Total/NA
Chromium	2.6		1.0	0.18	mg/Kg	1		6010B	Total/NA
Copper	3.3		1.0	0.53	mg/Kg	1		6010B	Total/NA
Nickel	5.3		0.52	0.45	mg/Kg	1		6010B	Total/NA
Vanadium	0.96	J	1.0	0.18	mg/Kg	1		6010B	Total/NA
Zinc	25		10	5.3	mg/Kg	1		6010B	Total/NA
Lead	78		5.2	1.0	mg/Kg	1		6010B	Total/NA
Mercury	0.20		0.086	0.014	mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S4E-2

Lab Sample ID: 320-80943-61

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S3B-0.5

Date Collected: 10/27/21 08:54
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-1

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.4	1.1	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
4,4'-DDE	ND		8.4	1.0	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
4,4'-DDT	ND		8.4	1.2	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
Aldrin	ND		8.4	0.69	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
alpha-BHC	ND		8.4	0.79	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
cis-Chlordane	ND		8.4	0.89	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
beta-BHC	ND		8.4	1.1	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
Chlordane (technical)	ND		99	46	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
delta-BHC	ND		8.4	1.7	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
Dieldrin	ND		8.4	0.99	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
Endosulfan I	ND		8.4	0.89	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
Endosulfan II	ND		8.4	0.89	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
Endosulfan sulfate	ND		8.4	1.7	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
Endrin	ND		8.4	0.99	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
Endrin aldehyde	ND		8.4	2.8	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
Endrin ketone	ND		8.4	1.3	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
trans-Chlordane	ND		8.4	3.0	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
gamma-BHC (Lindane)	ND		8.4	0.69	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
Heptachlor	ND		8.4	0.74	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
Heptachlor epoxide	ND		8.4	0.89	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
Methoxychlor	ND		17	2.8	ug/Kg		11/03/21 07:57	11/13/21 15:18	5
Toxaphene	ND		330	110	ug/Kg		11/03/21 07:57	11/13/21 15:18	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*45*	*S1-*	*46 - 109*	*11/03/21 07:57*	*11/13/21 15:18*	*5*
DCB Decachlorobiphenyl	*37*	*S1-*	*46 - 109*	*11/03/21 07:57*	*11/13/21 15:18*	*5*
Tetrachloro-m-xylene	*64*		*47 - 107*	*11/03/21 07:57*	*11/13/21 15:18*	*5*
Tetrachloro-m-xylene	*62*		*47 - 107*	*11/03/21 07:57*	*11/13/21 15:18*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/03/21 07:59	11/16/21 22:05	1
PCB-1221	ND		33	3.6	ug/Kg		11/03/21 07:59	11/16/21 22:05	1
PCB-1232	ND		33	4.7	ug/Kg		11/03/21 07:59	11/16/21 22:05	1
PCB-1242	ND		33	5.8	ug/Kg		11/03/21 07:59	11/16/21 22:05	1
PCB-1248	ND		33	2.4	ug/Kg		11/03/21 07:59	11/16/21 22:05	1
PCB-1254	ND		33	3.8	ug/Kg		11/03/21 07:59	11/16/21 22:05	1
PCB-1260	ND		33	2.7	ug/Kg		11/03/21 07:59	11/16/21 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*44*	*S1-*	*52 - 138*	*11/03/21 07:59*	*11/16/21 22:05*	*1*
Tetrachloro-m-xylene	*59*		*56 - 114*	*11/03/21 07:59*	*11/16/21 22:05*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**130**		0.67	0.17	mg/Kg		11/01/21 13:39	11/02/21 15:58	1
Arsenic	**7.3**	**F1**	1.3	0.87	mg/Kg		11/01/21 13:39	11/02/21 15:58	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S3B-2

Date Collected: 10/27/21 09:00
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-2

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.3	0.45	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
4,4'-DDE	ND		3.3	0.41	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
4,4'-DDT	ND		3.3	0.49	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
Aldrin	ND		3.3	0.28	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
alpha-BHC	ND		3.3	0.31	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
cis-Chlordane	ND		3.3	0.35	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
beta-BHC	ND		3.3	0.43	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
Chlordane (technical)	ND		39	18	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
delta-BHC	ND		3.3	0.69	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
Dieldrin	ND		3.3	0.39	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
Endosulfan I	ND		3.3	0.35	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
Endosulfan II	ND		3.3	0.35	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
Endosulfan sulfate	ND		3.3	0.69	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
Endrin	ND		3.3	0.39	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
Endrin aldehyde	ND		3.3	1.1	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
Endrin ketone	ND		3.3	0.53	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
trans-Chlordane	ND		3.3	1.2	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
gamma-BHC (Lindane)	ND		3.3	0.28	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
Heptachlor	ND		3.3	0.29	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
Heptachlor epoxide	ND		3.3	0.35	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
Methoxychlor	ND		6.7	1.1	ug/Kg		11/03/21 07:57	11/13/21 15:37	2
Toxaphene	ND		130	44	ug/Kg		11/03/21 07:57	11/13/21 15:37	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*46 - 109*	*11/03/21 07:57*	*11/13/21 15:37*	*2*
DCB Decachlorobiphenyl	*58*		*46 - 109*	*11/03/21 07:57*	*11/13/21 15:37*	*2*
Tetrachloro-m-xylene	*75*		*47 - 107*	*11/03/21 07:57*	*11/13/21 15:37*	*2*
Tetrachloro-m-xylene	*70*		*47 - 107*	*11/03/21 07:57*	*11/13/21 15:37*	*2*

Client Sample ID: AOC3-S2A-0.5

Date Collected: 10/27/21 09:00
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-3

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		17	2.3	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
4,4'-DDE	ND		17	2.1	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
4,4'-DDT	ND		17	2.5	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
Aldrin	ND		17	1.4	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
alpha-BHC	ND		17	1.6	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
cis-Chlordane	ND		17	1.8	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
beta-BHC	ND		17	2.2	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
Chlordane (technical)	ND		200	93	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
delta-BHC	ND		17	3.4	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
Dieldrin	ND		17	2.0	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
Endosulfan I	ND		17	1.8	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
Endosulfan II	ND		17	1.8	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
Endosulfan sulfate	ND		17	3.4	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
Endrin	ND		17	2.0	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
Endrin aldehyde	ND		17	5.6	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
Endrin ketone	ND		17	2.7	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
trans-Chlordane	ND		17	5.9	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
gamma-BHC (Lindane)	ND		17	1.4	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
Heptachlor	ND		17	1.5	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
Heptachlor epoxide	ND		17	1.8	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
Methoxychlor	ND		34	5.5	ug/Kg		11/03/21 07:57	11/13/21 15:56	10
Toxaphene	ND		660	220	ug/Kg		11/03/21 07:57	11/13/21 15:56	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*46 - 109*	*11/03/21 07:57*	*11/13/21 15:56*	*10*
DCB Decachlorobiphenyl	*60*		*46 - 109*	*11/03/21 07:57*	*11/13/21 15:56*	*10*
Tetrachloro-m-xylene	*98*		*47 - 107*	*11/03/21 07:57*	*11/13/21 15:56*	*10*
Tetrachloro-m-xylene	*90*		*47 - 107*	*11/03/21 07:57*	*11/13/21 15:56*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/03/21 07:59	11/16/21 22:25	1
PCB-1221	ND		33	3.6	ug/Kg		11/03/21 07:59	11/16/21 22:25	1
PCB-1232	ND		33	4.7	ug/Kg		11/03/21 07:59	11/16/21 22:25	1
PCB-1242	ND		33	5.8	ug/Kg		11/03/21 07:59	11/16/21 22:25	1
PCB-1248	ND		33	2.4	ug/Kg		11/03/21 07:59	11/16/21 22:25	1
PCB-1254	ND		33	3.8	ug/Kg		11/03/21 07:59	11/16/21 22:25	1
PCB-1260	ND		33	2.7	ug/Kg		11/03/21 07:59	11/16/21 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*52 - 138*	*11/03/21 07:59*	*11/16/21 22:25*	*1*
Tetrachloro-m-xylene	*71*		*56 - 114*	*11/03/21 07:59*	*11/16/21 22:25*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**55**		0.66	0.17	mg/Kg		11/01/21 13:39	11/02/21 16:17	1
Arsenic	**6.5**		1.3	0.86	mg/Kg		11/01/21 13:39	11/02/21 16:17	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S2A-2

Date Collected: 10/27/21 09:02
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-4

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
4,4'-DDT	ND		1.6	0.23	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
Aldrin	ND		1.6	0.13	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
Chlordane (technical)	ND		19	8.8	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
delta-BHC	ND		1.6	0.33	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
Endosulfan sulfate	ND		1.6	0.33	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
Endrin	ND		1.6	0.19	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
Endrin aldehyde	ND		1.6	0.53	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
Endrin ketone	ND		1.6	0.25	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
trans-Chlordane	ND		1.6	0.56	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
Methoxychlor	ND		3.2	0.53	ug/Kg		11/03/21 07:57	11/13/21 16:15	1
Toxaphene	ND		63	21	ug/Kg		11/03/21 07:57	11/13/21 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*34*	*S1-*	*46 - 109*	*11/03/21 07:57*	*11/13/21 16:15*	*1*
DCB Decachlorobiphenyl	*33*	*S1-*	*46 - 109*	*11/03/21 07:57*	*11/13/21 16:15*	*1*
Tetrachloro-m-xylene	*56*		*47 - 107*	*11/03/21 07:57*	*11/13/21 16:15*	*1*
Tetrachloro-m-xylene	*53*		*47 - 107*	*11/03/21 07:57*	*11/13/21 16:15*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S3A-0.5

Date Collected: 10/27/21 09:06
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-5

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
Aldrin	ND		16	1.3	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
alpha-BHC	ND		16	1.5	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
beta-BHC	ND		16	2.1	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
Chlordane (technical)	ND		190	91	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
delta-BHC	ND		16	3.4	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
Dieldrin	ND		16	1.9	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
Endosulfan I	ND		16	1.7	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
Endosulfan II	ND		16	1.7	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
Endosulfan sulfate	ND		16	3.4	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
Endrin	ND		16	1.9	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
Endrin aldehyde	ND		16	5.5	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
Endrin ketone	ND		16	2.6	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
trans-Chlordane	ND		16	5.8	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
gamma-BHC (Lindane)	ND		16	1.3	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
Heptachlor	ND		16	1.4	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
Methoxychlor	ND		33	5.4	ug/Kg		11/03/21 07:57	11/13/21 16:34	10
Toxaphene	ND		650	220	ug/Kg		11/03/21 07:57	11/13/21 16:34	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*46 - 109*	*11/03/21 07:57*	*11/13/21 16:34*	*10*
DCB Decachlorobiphenyl	*48*		*46 - 109*	*11/03/21 07:57*	*11/13/21 16:34*	*10*
Tetrachloro-m-xylene	*69*		*47 - 107*	*11/03/21 07:57*	*11/13/21 16:34*	*10*
Tetrachloro-m-xylene	*61*		*47 - 107*	*11/03/21 07:57*	*11/13/21 16:34*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/03/21 07:59	11/16/21 22:46	1
PCB-1221	ND		32	3.5	ug/Kg		11/03/21 07:59	11/16/21 22:46	1
PCB-1232	ND		32	4.6	ug/Kg		11/03/21 07:59	11/16/21 22:46	1
PCB-1242	ND		32	5.7	ug/Kg		11/03/21 07:59	11/16/21 22:46	1
PCB-1248	ND		32	2.3	ug/Kg		11/03/21 07:59	11/16/21 22:46	1
PCB-1254	ND		32	3.7	ug/Kg		11/03/21 07:59	11/16/21 22:46	1
PCB-1260	ND		32	2.6	ug/Kg		11/03/21 07:59	11/16/21 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*52 - 138*	*11/03/21 07:59*	*11/16/21 22:46*	*1*
Tetrachloro-m-xylene	*62*		*56 - 114*	*11/03/21 07:59*	*11/16/21 22:46*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**110**		0.98	0.25	mg/Kg		11/01/21 13:39	11/02/21 16:20	1
Arsenic	**6.1**		2.0	1.3	mg/Kg		11/01/21 13:39	11/02/21 16:20	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S3A-2

Date Collected: 10/27/21 09:10
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-6

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
4,4'-DDT	ND		1.6	0.23	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
Aldrin	ND		1.6	0.13	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
Chlordane (technical)	ND		19	8.8	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
delta-BHC	ND		1.6	0.33	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
Endosulfan sulfate	ND		1.6	0.33	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
Endrin	ND		1.6	0.19	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
Endrin aldehyde	ND		1.6	0.53	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
Endrin ketone	ND		1.6	0.25	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
trans-Chlordane	ND		1.6	0.56	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
Methoxychlor	ND		3.2	0.53	ug/Kg		11/03/21 07:57	11/13/21 16:52	1
Toxaphene	ND		63	21	ug/Kg		11/03/21 07:57	11/13/21 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*34*	*S1-*	*46 - 109*	*11/03/21 07:57*	*11/13/21 16:52*	*1*
DCB Decachlorobiphenyl	*27*	*S1-*	*46 - 109*	*11/03/21 07:57*	*11/13/21 16:52*	*1*
Tetrachloro-m-xylene	*52*		*47 - 107*	*11/03/21 07:57*	*11/13/21 16:52*	*1*
Tetrachloro-m-xylene	*51*		*47 - 107*	*11/03/21 07:57*	*11/13/21 16:52*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S4A-0.5

Date Collected: 10/27/21 09:43
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-7

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.22	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
4,4'-DDE	**0.24**	**J**	1.7	0.20	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
4,4'-DDT	ND		1.7	0.24	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
Aldrin	ND		1.7	0.14	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
beta-BHC	ND		1.7	0.21	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
Chlordane (technical)	ND		19	9.2	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
delta-BHC	ND		1.7	0.34	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
Dieldrin	ND		1.7	0.19	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
Endosulfan sulfate	ND		1.7	0.34	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
Endrin	ND		1.7	0.19	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
Endrin ketone	ND		1.7	0.26	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
trans-Chlordane	ND		1.7	0.58	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
Methoxychlor	ND		3.3	0.55	ug/Kg		11/03/21 07:57	11/13/21 17:11	1
Toxaphene	ND		65	22	ug/Kg		11/03/21 07:57	11/13/21 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*46 - 109*	*11/03/21 07:57*	*11/13/21 17:11*	*1*
DCB Decachlorobiphenyl	*55*		*46 - 109*	*11/03/21 07:57*	*11/13/21 17:11*	*1*
Tetrachloro-m-xylene	*71*		*47 - 107*	*11/03/21 07:57*	*11/13/21 17:11*	*1*
Tetrachloro-m-xylene	*66*		*47 - 107*	*11/03/21 07:57*	*11/13/21 17:11*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/03/21 07:59	11/16/21 23:06	1
PCB-1221	ND		32	3.5	ug/Kg		11/03/21 07:59	11/16/21 23:06	1
PCB-1232	ND		32	4.7	ug/Kg		11/03/21 07:59	11/16/21 23:06	1
PCB-1242	ND		32	5.7	ug/Kg		11/03/21 07:59	11/16/21 23:06	1
PCB-1248	ND		32	2.4	ug/Kg		11/03/21 07:59	11/16/21 23:06	1
PCB-1254	ND		32	3.7	ug/Kg		11/03/21 07:59	11/16/21 23:06	1
PCB-1260	ND		32	2.6	ug/Kg		11/03/21 07:59	11/16/21 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*52 - 138*	*11/03/21 07:59*	*11/16/21 23:06*	*1*
Tetrachloro-m-xylene	*79*		*56 - 114*	*11/03/21 07:59*	*11/16/21 23:06*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**36**		1.0	0.26	mg/Kg		11/01/21 13:39	11/02/21 16:24	1
Arsenic	**2.1**		2.0	1.3	mg/Kg		11/01/21 13:39	11/02/21 16:24	1

Client Sample ID: AOC3-S4A-2

Date Collected: 10/27/21 09:45
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-8

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	4.5	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
4,4'-DDE	ND		33	4.1	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
4,4'-DDT	ND		33	4.9	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
Aldrin	ND		33	2.8	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
alpha-BHC	ND		33	3.1	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
cis-Chlordane	ND		33	3.5	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
beta-BHC	ND		33	4.3	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
Chlordane (technical)	ND		390	180	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
delta-BHC	ND		33	6.9	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
Dieldrin	ND		33	3.9	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
Endosulfan I	ND		33	3.5	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
Endosulfan II	ND		33	3.5	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
Endosulfan sulfate	ND		33	6.9	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
Endrin	ND		33	3.9	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
Endrin aldehyde	ND		33	11	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
Endrin ketone	ND		33	5.3	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
trans-Chlordane	ND		33	12	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
gamma-BHC (Lindane)	ND		33	2.8	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
Heptachlor	ND		33	2.9	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
Heptachlor epoxide	ND		33	3.5	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
Methoxychlor	ND		67	11	ug/Kg		11/03/21 07:57	11/13/21 17:30	20
Toxaphene	ND		1300	440	ug/Kg		11/03/21 07:57	11/13/21 17:30	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*6*	*S1-*	*46 - 109*	*11/03/21 07:57*	*11/13/21 17:30*	*20*
DCB Decachlorobiphenyl	*53*		*46 - 109*	*11/03/21 07:57*	*11/13/21 17:30*	*20*
Tetrachloro-m-xylene	*104*		*47 - 107*	*11/03/21 07:57*	*11/13/21 17:30*	*20*
Tetrachloro-m-xylene	*86*		*47 - 107*	*11/03/21 07:57*	*11/13/21 17:30*	*20*

Client Sample ID: AOC3-S5A-0.5

Date Collected: 10/27/21 09:45
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-9

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		17	2.3	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
4,4'-DDE	ND		17	2.1	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
4,4'-DDT	**5.7**	**J P**	17	2.5	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
Aldrin	ND		17	1.4	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
alpha-BHC	ND		17	1.6	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
cis-Chlordane	ND		17	1.8	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
beta-BHC	ND		17	2.2	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
Chlordane (technical)	ND		200	93	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
delta-BHC	ND		17	3.5	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
Dieldrin	ND		17	2.0	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
Endosulfan I	ND		17	1.8	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
Endosulfan II	ND		17	1.8	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
Endosulfan sulfate	ND		17	3.5	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
Endrin	ND		17	2.0	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
Endrin aldehyde	ND		17	5.6	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
Endrin ketone	ND		17	2.7	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
trans-Chlordane	ND		17	5.9	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
gamma-BHC (Lindane)	ND		17	1.4	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
Heptachlor	ND		17	1.5	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
Heptachlor epoxide	ND		17	1.8	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
Methoxychlor	ND		34	5.5	ug/Kg		11/03/21 07:57	11/13/21 17:49	10
Toxaphene	ND		660	220	ug/Kg		11/03/21 07:57	11/13/21 17:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*46 - 109*	*11/03/21 07:57*	*11/13/21 17:49*	*10*
DCB Decachlorobiphenyl	*39*	*S1-*	*46 - 109*	*11/03/21 07:57*	*11/13/21 17:49*	*10*
Tetrachloro-m-xylene	*78*		*47 - 107*	*11/03/21 07:57*	*11/13/21 17:49*	*10*
Tetrachloro-m-xylene	*64*		*47 - 107*	*11/03/21 07:57*	*11/13/21 17:49*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/03/21 07:59	11/16/21 23:27	1
PCB-1221	ND		33	3.6	ug/Kg		11/03/21 07:59	11/16/21 23:27	1
PCB-1232	ND		33	4.7	ug/Kg		11/03/21 07:59	11/16/21 23:27	1
PCB-1242	ND		33	5.8	ug/Kg		11/03/21 07:59	11/16/21 23:27	1
PCB-1248	ND		33	2.4	ug/Kg		11/03/21 07:59	11/16/21 23:27	1
PCB-1254	ND		33	3.8	ug/Kg		11/03/21 07:59	11/16/21 23:27	1
PCB-1260	ND		33	2.7	ug/Kg		11/03/21 07:59	11/16/21 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*52 - 138*	*11/03/21 07:59*	*11/16/21 23:27*	*1*
Tetrachloro-m-xylene	*63*		*56 - 114*	*11/03/21 07:59*	*11/16/21 23:27*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.23	mg/Kg		11/09/21 08:59	11/10/21 17:27	1
Arsenic	ND		2.6	2.3	mg/Kg		11/09/21 08:59	11/10/21 17:27	1
Barium	**84**	**F1**	0.52	0.23	mg/Kg		11/09/21 08:59	11/10/21 17:27	1
Beryllium	ND		0.26	0.18	mg/Kg		11/09/21 08:59	11/10/21 17:27	1
Cadmium	**0.30**	**J**	0.52	0.21	mg/Kg		11/09/21 08:59	11/10/21 17:27	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S5A-0.5
Date Collected: 10/27/21 09:45
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	2.9		1.0	0.23	mg/Kg		11/09/21 08:59	11/10/21 17:27	1
Chromium	10		1.0	0.18	mg/Kg		11/09/21 08:59	11/10/21 17:27	1
Copper	15		1.0	0.52	mg/Kg		11/09/21 08:59	11/10/21 17:27	1
Molybdenum	ND		0.52	0.46	mg/Kg		11/09/21 08:59	11/10/21 17:27	1
Nickel	14		0.52	0.44	mg/Kg		11/09/21 08:59	11/10/21 17:27	1
Antimony	ND		3.1	1.4	mg/Kg		11/09/21 08:59	11/10/21 17:27	1
Selenium	ND		5.2	1.9	mg/Kg		11/09/21 08:59	11/10/21 17:27	1
Thallium	ND		5.2	1.5	mg/Kg		11/09/21 08:59	11/10/21 17:27	1
Vanadium	8.6		1.0	0.18	mg/Kg		11/09/21 08:59	11/10/21 17:27	1
Zinc	98	F1	10	5.3	mg/Kg		11/09/21 08:59	11/10/21 17:27	1
Lead	160		5.2	1.0	mg/Kg		11/09/21 08:59	11/10/21 17:27	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.16		0.082	0.013	mg/Kg		11/09/21 08:55	11/09/21 12:26	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S5A-2

Date Collected: 10/27/21 09:50
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-10

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
Aldrin	ND		1.6	0.14	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
alpha-BHC	ND		1.6	0.16	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
Chlordane (technical)	ND		19	9.1	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
delta-BHC	ND		1.6	0.34	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
Endosulfan sulfate	ND		1.6	0.34	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
Endrin	ND		1.6	0.19	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
Endrin aldehyde	ND		1.6	0.55	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
trans-Chlordane	ND		1.6	0.58	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
gamma-BHC (Lindane)	ND		1.6	0.14	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
Heptachlor	**0.70**	**J**	1.6	0.15	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
Methoxychlor	ND		3.3	0.54	ug/Kg		11/03/21 07:57	11/13/21 18:08	1
Toxaphene	ND		65	22	ug/Kg		11/03/21 07:57	11/13/21 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*49*		*46 - 109*	*11/03/21 07:57*	*11/13/21 18:08*	*1*
DCB Decachlorobiphenyl	*53*		*46 - 109*	*11/03/21 07:57*	*11/13/21 18:08*	*1*
Tetrachloro-m-xylene	*73*		*47 - 107*	*11/03/21 07:57*	*11/13/21 18:08*	*1*
Tetrachloro-m-xylene	*67*		*47 - 107*	*11/03/21 07:57*	*11/13/21 18:08*	*1*

Client Sample ID: AOC3-S4B-0.5

Date Collected: 10/27/21 09:56
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-11

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		17	2.3	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
4,4'-DDE	ND		17	2.1	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
4,4'-DDT	ND		17	2.4	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
Aldrin	ND		17	1.4	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
alpha-BHC	ND		17	1.6	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
cis-Chlordane	ND		17	1.8	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
beta-BHC	ND		17	2.2	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
Chlordane (technical)	ND		200	92	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
delta-BHC	ND		17	3.4	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
Dieldrin	ND		17	2.0	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
Endosulfan I	ND		17	1.8	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
Endosulfan II	ND		17	1.8	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
Endosulfan sulfate	ND		17	3.4	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
Endrin	ND		17	2.0	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
Endrin aldehyde	ND		17	5.6	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
Endrin ketone	ND		17	2.6	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
trans-Chlordane	ND		17	5.9	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
gamma-BHC (Lindane)	ND		17	1.4	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
Heptachlor	ND		17	1.5	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
Heptachlor epoxide	ND		17	1.8	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
Methoxychlor	ND		33	5.5	ug/Kg		11/03/21 07:57	11/13/21 18:27	10
Toxaphene	ND		660	220	ug/Kg		11/03/21 07:57	11/13/21 18:27	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*109*		*46 - 109*	*11/03/21 07:57*	*11/13/21 18:27*	*10*
DCB Decachlorobiphenyl	*78*		*46 - 109*	*11/03/21 07:57*	*11/13/21 18:27*	*10*
Tetrachloro-m-xylene	*79*		*47 - 107*	*11/03/21 07:57*	*11/13/21 18:27*	*10*
Tetrachloro-m-xylene	*68*		*47 - 107*	*11/03/21 07:57*	*11/13/21 18:27*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/03/21 07:59	11/16/21 23:48	1
PCB-1221	ND		32	3.5	ug/Kg		11/03/21 07:59	11/16/21 23:48	1
PCB-1232	ND		32	4.7	ug/Kg		11/03/21 07:59	11/16/21 23:48	1
PCB-1242	ND		32	5.8	ug/Kg		11/03/21 07:59	11/16/21 23:48	1
PCB-1248	ND		32	2.4	ug/Kg		11/03/21 07:59	11/16/21 23:48	1
PCB-1254	ND		32	3.7	ug/Kg		11/03/21 07:59	11/16/21 23:48	1
PCB-1260	ND		32	2.6	ug/Kg		11/03/21 07:59	11/16/21 23:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*52 - 138*	*11/03/21 07:59*	*11/16/21 23:48*	*1*
Tetrachloro-m-xylene	*60*		*56 - 114*	*11/03/21 07:59*	*11/16/21 23:48*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**290**		1.0	0.26	mg/Kg		11/01/21 13:39	11/02/21 16:28	1
Arsenic	**4.5**		2.0	1.3	mg/Kg		11/01/21 13:39	11/02/21 16:28	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S4B-2
Date Collected: 10/27/21 09:58
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-12
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.22	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
4,4'-DDT	ND		1.7	0.24	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
Aldrin	ND		1.7	0.14	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
Chlordane (technical)	ND		20	9.2	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
delta-BHC	ND		1.7	0.34	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
Endosulfan sulfate	ND		1.7	0.34	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
Endrin	ND		1.7	0.20	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
Endrin ketone	ND		1.7	0.26	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
trans-Chlordane	ND		1.7	0.59	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
Methoxychlor	ND		3.3	0.55	ug/Kg		11/03/21 07:57	11/13/21 18:46	1
Toxaphene	ND		66	22	ug/Kg		11/03/21 07:57	11/13/21 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*43*	*S1-*	*46 - 109*	*11/03/21 07:57*	*11/13/21 18:46*	*1*
DCB Decachlorobiphenyl	*50*		*46 - 109*	*11/03/21 07:57*	*11/13/21 18:46*	*1*
Tetrachloro-m-xylene	*69*		*47 - 107*	*11/03/21 07:57*	*11/13/21 18:46*	*1*
Tetrachloro-m-xylene	*65*		*47 - 107*	*11/03/21 07:57*	*11/13/21 18:46*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC8-S5B-0.5

Date Collected: 10/27/21 10:00
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-13

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
4,4'-DDE	**3.8**	**J**	16	2.0	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
4,4'-DDT	**4.1**	**J**	16	2.4	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
Aldrin	ND		16	1.4	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
alpha-BHC	ND		16	1.5	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
beta-BHC	ND		16	2.1	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
Chlordane (technical)	ND		190	91	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
delta-BHC	ND		16	3.4	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
Dieldrin	ND		16	1.9	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
Endosulfan I	ND		16	1.7	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
Endosulfan II	ND		16	1.7	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
Endosulfan sulfate	ND		16	3.4	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
Endrin	ND		16	1.9	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
Endrin aldehyde	ND		16	5.5	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
Endrin ketone	ND		16	2.6	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
trans-Chlordane	ND		16	5.8	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
gamma-BHC (Lindane)	ND		16	1.4	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
Heptachlor	ND		16	1.4	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
Methoxychlor	ND		33	5.4	ug/Kg		11/03/21 07:57	11/13/21 19:04	10
Toxaphene	ND		650	220	ug/Kg		11/03/21 07:57	11/13/21 19:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*63*		*46 - 109*	*11/03/21 07:57*	*11/13/21 19:04*	*10*
DCB Decachlorobiphenyl	*55*		*46 - 109*	*11/03/21 07:57*	*11/13/21 19:04*	*10*
Tetrachloro-m-xylene	*78*		*47 - 107*	*11/03/21 07:57*	*11/13/21 19:04*	*10*
Tetrachloro-m-xylene	*69*		*47 - 107*	*11/03/21 07:57*	*11/13/21 19:04*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/03/21 07:59	11/17/21 00:08	1
PCB-1221	ND		32	3.5	ug/Kg		11/03/21 07:59	11/17/21 00:08	1
PCB-1232	ND		32	4.6	ug/Kg		11/03/21 07:59	11/17/21 00:08	1
PCB-1242	ND		32	5.7	ug/Kg		11/03/21 07:59	11/17/21 00:08	1
PCB-1248	ND		32	2.4	ug/Kg		11/03/21 07:59	11/17/21 00:08	1
PCB-1254	ND		32	3.7	ug/Kg		11/03/21 07:59	11/17/21 00:08	1
PCB-1260	ND		32	2.6	ug/Kg		11/03/21 07:59	11/17/21 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*52 - 138*	*11/03/21 07:59*	*11/17/21 00:08*	*1*
Tetrachloro-m-xylene	*62*		*56 - 114*	*11/03/21 07:59*	*11/17/21 00:08*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**77**		1.0	0.26	mg/Kg		11/01/21 13:39	11/02/21 16:32	1
Arsenic	**11**		2.0	1.3	mg/Kg		11/01/21 13:39	11/02/21 16:32	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC8-S5B-2
Date Collected: 10/27/21 10:02
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-14
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.3	1.1	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
4,4'-DDE	ND		8.3	1.0	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
4,4'-DDT	ND		8.3	1.2	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
Aldrin	ND		8.3	0.68	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
alpha-BHC	ND		8.3	0.78	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
cis-Chlordane	ND		8.3	0.88	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
beta-BHC	ND		8.3	1.1	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
Chlordane (technical)	ND		98	46	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
delta-BHC	ND		8.3	1.7	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
Dieldrin	ND		8.3	0.98	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
Endosulfan I	ND		8.3	0.88	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
Endosulfan II	ND		8.3	0.88	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
Endosulfan sulfate	ND		8.3	1.7	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
Endrin	ND		8.3	0.98	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
Endrin aldehyde	ND		8.3	2.8	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
Endrin ketone	ND		8.3	1.3	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
trans-Chlordane	ND		8.3	2.9	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
gamma-BHC (Lindane)	ND		8.3	0.68	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
Heptachlor	ND		8.3	0.73	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
Heptachlor epoxide	ND		8.3	0.88	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
Methoxychlor	ND		17	2.7	ug/Kg		11/03/21 07:57	11/13/21 19:23	5
Toxaphene	ND		330	110	ug/Kg		11/03/21 07:57	11/13/21 19:23	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*46 - 109*	*11/03/21 07:57*	*11/13/21 19:23*	*5*
DCB Decachlorobiphenyl	*60*		*46 - 109*	*11/03/21 07:57*	*11/13/21 19:23*	*5*
Tetrachloro-m-xylene	*82*		*47 - 107*	*11/03/21 07:57*	*11/13/21 19:23*	*5*
Tetrachloro-m-xylene	*76*		*47 - 107*	*11/03/21 07:57*	*11/13/21 19:23*	*5*

Client Sample ID: AOC3-S6B-0.5

Date Collected: 10/27/21 10:23
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-15

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.5	1.1	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
4,4'-DDE	ND		8.5	1.0	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
4,4'-DDT	ND		8.5	1.2	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
Aldrin	ND		8.5	0.70	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
alpha-BHC	ND		8.5	0.80	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
cis-Chlordane	ND		8.5	0.90	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
beta-BHC	ND		8.5	1.1	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
Chlordane (technical)	ND		100	47	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
delta-BHC	ND		8.5	1.7	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
Dieldrin	ND		8.5	1.0	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
Endosulfan I	ND		8.5	0.90	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
Endosulfan II	ND		8.5	0.90	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
Endosulfan sulfate	ND		8.5	1.7	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
Endrin	ND		8.5	1.0	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
Endrin aldehyde	ND		8.5	2.8	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
Endrin ketone	ND		8.5	1.3	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
trans-Chlordane	ND		8.5	3.0	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
gamma-BHC (Lindane)	ND		8.5	0.70	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
Heptachlor	ND		8.5	0.75	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
Heptachlor epoxide	ND		8.5	0.90	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
Methoxychlor	ND		17	2.8	ug/Kg		11/03/21 07:57	11/13/21 19:42	5
Toxaphene	ND		330	110	ug/Kg		11/03/21 07:57	11/13/21 19:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*46 - 109*	*11/03/21 07:57*	*11/13/21 19:42*	*5*
DCB Decachlorobiphenyl	*48*		*46 - 109*	*11/03/21 07:57*	*11/13/21 19:42*	*5*
Tetrachloro-m-xylene	*77*		*47 - 107*	*11/03/21 07:57*	*11/13/21 19:42*	*5*
Tetrachloro-m-xylene	*68*		*47 - 107*	*11/03/21 07:57*	*11/13/21 19:42*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/03/21 07:59	11/17/21 00:29	1
PCB-1221	ND		33	3.6	ug/Kg		11/03/21 07:59	11/17/21 00:29	1
PCB-1232	ND		33	4.8	ug/Kg		11/03/21 07:59	11/17/21 00:29	1
PCB-1242	ND		33	5.9	ug/Kg		11/03/21 07:59	11/17/21 00:29	1
PCB-1248	ND		33	2.4	ug/Kg		11/03/21 07:59	11/17/21 00:29	1
PCB-1254	ND		33	3.8	ug/Kg		11/03/21 07:59	11/17/21 00:29	1
PCB-1260	ND		33	2.7	ug/Kg		11/03/21 07:59	11/17/21 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*52 - 138*	*11/03/21 07:59*	*11/17/21 00:29*	*1*
Tetrachloro-m-xylene	*64*		*56 - 114*	*11/03/21 07:59*	*11/17/21 00:29*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**860**		0.97	0.25	mg/Kg		11/01/21 13:39	11/02/21 16:43	1
Arsenic	**2.8**		1.9	1.3	mg/Kg		11/01/21 13:39	11/02/21 16:43	1

Client Sample ID: AOC3-S6B-2

Date Collected: 10/27/21 10:26
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-16

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
4,4'-DDT	ND		1.6	0.23	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
Aldrin	ND		1.6	0.13	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
Chlordane (technical)	ND		19	8.8	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
delta-BHC	ND		1.6	0.33	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
Endosulfan sulfate	ND		1.6	0.33	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
Endrin	ND		1.6	0.19	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
Endrin aldehyde	ND		1.6	0.53	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
Endrin ketone	ND		1.6	0.25	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
trans-Chlordane	ND		1.6	0.56	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
Methoxychlor	ND		3.2	0.53	ug/Kg		11/03/21 07:57	11/13/21 20:01	1
Toxaphene	ND		63	21	ug/Kg		11/03/21 07:57	11/13/21 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*46 - 109*	*11/03/21 07:57*	*11/13/21 20:01*	*1*
DCB Decachlorobiphenyl	*50*		*46 - 109*	*11/03/21 07:57*	*11/13/21 20:01*	*1*
Tetrachloro-m-xylene	*71*		*47 - 107*	*11/03/21 07:57*	*11/13/21 20:01*	*1*
Tetrachloro-m-xylene	*69*		*47 - 107*	*11/03/21 07:57*	*11/13/21 20:01*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S6A-0.5

Date Collected: 10/27/21 10:28
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-17

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		34	4.6	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
4,4'-DDE	ND		34	4.2	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
4,4'-DDT	ND		34	5.0	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
Aldrin	ND		34	2.8	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
alpha-BHC	ND		34	3.2	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
cis-Chlordane	ND		34	3.6	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
beta-BHC	ND		34	4.4	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
Chlordane (technical)	ND		400	190	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
delta-BHC	ND		34	7.0	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
Dieldrin	ND		34	4.0	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
Endosulfan I	ND		34	3.6	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
Endosulfan II	ND		34	3.6	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
Endosulfan sulfate	ND		34	7.0	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
Endrin	ND		34	4.0	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
Endrin aldehyde	ND		34	11	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
Endrin ketone	ND		34	5.4	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
trans-Chlordane	ND		34	12	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
gamma-BHC (Lindane)	ND		34	2.8	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
Heptachlor	ND		34	3.0	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
Heptachlor epoxide	ND		34	3.6	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
Methoxychlor	ND		68	11	ug/Kg		11/03/21 07:57	11/13/21 20:58	20
Toxaphene	ND		1300	450	ug/Kg		11/03/21 07:57	11/13/21 20:58	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*46 - 109*	*11/03/21 07:57*	*11/13/21 20:58*	*20*
DCB Decachlorobiphenyl	*81*		*46 - 109*	*11/03/21 07:57*	*11/13/21 20:58*	*20*
Tetrachloro-m-xylene	*79*		*47 - 107*	*11/03/21 07:57*	*11/13/21 20:58*	*20*
Tetrachloro-m-xylene	*64*		*47 - 107*	*11/03/21 07:57*	*11/13/21 20:58*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/03/21 07:59	11/17/21 00:49	1
PCB-1221	ND		33	3.6	ug/Kg		11/03/21 07:59	11/17/21 00:49	1
PCB-1232	ND		33	4.8	ug/Kg		11/03/21 07:59	11/17/21 00:49	1
PCB-1242	ND		33	5.9	ug/Kg		11/03/21 07:59	11/17/21 00:49	1
PCB-1248	ND		33	2.4	ug/Kg		11/03/21 07:59	11/17/21 00:49	1
PCB-1254	ND		33	3.8	ug/Kg		11/03/21 07:59	11/17/21 00:49	1
PCB-1260	**3.2**	**J**	33	2.7	ug/Kg		11/03/21 07:59	11/17/21 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*52 - 138*	*11/03/21 07:59*	*11/17/21 00:49*	*1*
Tetrachloro-m-xylene	*62*		*56 - 114*	*11/03/21 07:59*	*11/17/21 00:49*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**260**		0.98	0.25	mg/Kg		11/01/21 13:39	11/02/21 16:47	1
Arsenic	**3.9**		2.0	1.3	mg/Kg		11/01/21 13:39	11/02/21 16:47	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S6A-2
Date Collected: 10/27/21 10:30
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-18
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.3	0.44	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
4,4'-DDE	ND		3.3	0.40	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
4,4'-DDT	ND		3.3	0.48	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
Aldrin	ND		3.3	0.27	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
alpha-BHC	ND		3.3	0.31	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
cis-Chlordane	ND		3.3	0.34	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
beta-BHC	ND		3.3	0.42	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
Chlordane (technical)	ND		38	18	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
delta-BHC	ND		3.3	0.67	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
Dieldrin	ND		3.3	0.38	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
Endosulfan I	ND		3.3	0.34	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
Endosulfan II	ND		3.3	0.34	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
Endosulfan sulfate	ND		3.3	0.67	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
Endrin	ND		3.3	0.38	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
Endrin aldehyde	ND		3.3	1.1	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
Endrin ketone	ND		3.3	0.52	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
trans-Chlordane	ND		3.3	1.1	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
gamma-BHC (Lindane)	ND		3.3	0.27	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
Heptachlor	ND		3.3	0.29	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
Heptachlor epoxide	ND		3.3	0.34	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
Methoxychlor	ND		6.5	1.1	ug/Kg		11/03/21 10:14	11/12/21 18:24	2
Toxaphene	ND		130	43	ug/Kg		11/03/21 10:14	11/12/21 18:24	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*46 - 109*	*11/03/21 10:14*	*11/12/21 18:24*	*2*
DCB Decachlorobiphenyl	*58*		*46 - 109*	*11/03/21 10:14*	*11/12/21 18:24*	*2*
Tetrachloro-m-xylene	*78*		*47 - 107*	*11/03/21 10:14*	*11/12/21 18:24*	*2*
Tetrachloro-m-xylene	*76*		*47 - 107*	*11/03/21 10:14*	*11/12/21 18:24*	*2*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S7A-0.5

Date Collected: 10/27/21 10:35
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-19

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND	F1	17	2.2	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
4,4'-DDE	ND	F1	17	2.1	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
4,4'-DDT	ND		17	2.4	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
Aldrin	ND	F1	17	1.4	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
alpha-BHC	ND		17	1.6	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
cis-Chlordane	ND	F1	17	1.8	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
beta-BHC	ND		17	2.1	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
Chlordane (technical)	ND		200	92	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
delta-BHC	ND		17	3.4	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
Dieldrin	ND	F1	17	2.0	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
Endosulfan I	ND		17	1.8	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
Endosulfan II	ND	F1	17	1.8	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
Endosulfan sulfate	ND	F1	17	3.4	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
Endrin	ND	F1	17	2.0	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
Endrin aldehyde	ND	F1	17	5.6	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
Endrin ketone	ND	F1	17	2.6	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
trans-Chlordane	ND	F1	17	5.9	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
gamma-BHC (Lindane)	ND		17	1.4	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
Heptachlor	ND		17	1.5	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
Heptachlor epoxide	ND	F1	17	1.8	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
Methoxychlor	ND		33	5.5	ug/Kg		11/03/21 10:14	11/12/21 18:42	10
Toxaphene	ND		650	220	ug/Kg		11/03/21 10:14	11/12/21 18:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*46 - 109*	*11/03/21 10:14*	*11/12/21 18:42*	*10*
DCB Decachlorobiphenyl	*61*		*46 - 109*	*11/03/21 10:14*	*11/12/21 18:42*	*10*
Tetrachloro-m-xylene	*86*		*47 - 107*	*11/03/21 10:14*	*11/12/21 18:42*	*10*
Tetrachloro-m-xylene	*77*		*47 - 107*	*11/03/21 10:14*	*11/12/21 18:42*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/03/21 10:18	11/18/21 19:25	1
PCB-1221	ND		32	3.5	ug/Kg		11/03/21 10:18	11/18/21 19:25	1
PCB-1232	ND		32	4.7	ug/Kg		11/03/21 10:18	11/18/21 19:25	1
PCB-1242	ND		32	5.8	ug/Kg		11/03/21 10:18	11/18/21 19:25	1
PCB-1248	ND		32	2.4	ug/Kg		11/03/21 10:18	11/18/21 19:25	1
PCB-1254	ND		32	3.7	ug/Kg		11/03/21 10:18	11/18/21 19:25	1
PCB-1260	ND		32	2.6	ug/Kg		11/03/21 10:18	11/18/21 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*52*		*52 - 138*	*11/03/21 10:18*	*11/18/21 19:25*	*1*
Tetrachloro-m-xylene	*66*		*56 - 114*	*11/03/21 10:18*	*11/18/21 19:25*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**300**		0.97	0.25	mg/Kg		11/01/21 13:39	11/02/21 16:51	1
Arsenic	**3.3**		1.9	1.3	mg/Kg		11/01/21 13:39	11/02/21 16:51	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S7A-2
Date Collected: 10/27/21 10:38
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-20
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
Aldrin	ND		1.6	0.14	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
alpha-BHC	ND		1.6	0.16	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
Chlordane (technical)	ND		19	9.1	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
delta-BHC	ND		1.6	0.34	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
Endosulfan sulfate	ND		1.6	0.34	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
Endrin	ND		1.6	0.19	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
Endrin aldehyde	ND		1.6	0.55	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
trans-Chlordane	ND		1.6	0.58	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
gamma-BHC (Lindane)	ND		1.6	0.14	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
Heptachlor	ND		1.6	0.15	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
Methoxychlor	ND		3.3	0.54	ug/Kg		11/03/21 10:14	11/12/21 19:39	1
Toxaphene	ND		65	22	ug/Kg		11/03/21 10:14	11/12/21 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*46 - 109*	*11/03/21 10:14*	*11/12/21 19:39*	*1*
DCB Decachlorobiphenyl	*43*	*S1-*	*46 - 109*	*11/03/21 10:14*	*11/12/21 19:39*	*1*
Tetrachloro-m-xylene	*65*		*47 - 107*	*11/03/21 10:14*	*11/12/21 19:39*	*1*
Tetrachloro-m-xylene	*60*		*47 - 107*	*11/03/21 10:14*	*11/12/21 19:39*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S7B-0.5

Date Collected: 10/27/21 10:43
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-21

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
Aldrin	ND		16	1.3	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
alpha-BHC	ND		16	1.5	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
beta-BHC	ND		16	2.1	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
Chlordane (technical)	ND		190	90	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
delta-BHC	ND		16	3.3	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
Dieldrin	ND		16	1.9	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
Endosulfan I	ND		16	1.7	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
Endosulfan II	ND		16	1.7	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
Endosulfan sulfate	ND		16	3.3	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
Endrin	ND		16	1.9	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
Endrin aldehyde	ND		16	5.4	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
Endrin ketone	ND		16	2.6	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
trans-Chlordane	ND		16	5.7	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
gamma-BHC (Lindane)	ND		16	1.3	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
Heptachlor	ND		16	1.4	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
Methoxychlor	ND		32	5.3	ug/Kg		11/03/21 10:17	11/12/21 19:58	10
Toxaphene	ND		640	210	ug/Kg		11/03/21 10:17	11/12/21 19:58	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*46 - 109*	*11/03/21 10:17*	*11/12/21 19:58*	*10*
DCB Decachlorobiphenyl	*72*		*46 - 109*	*11/03/21 10:17*	*11/12/21 19:58*	*10*
Tetrachloro-m-xylene	*87*		*47 - 107*	*11/03/21 10:17*	*11/12/21 19:58*	*10*
Tetrachloro-m-xylene	*78*		*47 - 107*	*11/03/21 10:17*	*11/12/21 19:58*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.4	ug/Kg		11/03/21 10:18	11/18/21 19:46	1
PCB-1221	ND		32	3.5	ug/Kg		11/03/21 10:18	11/18/21 19:46	1
PCB-1232	ND		32	4.6	ug/Kg		11/03/21 10:18	11/18/21 19:46	1
PCB-1242	ND		32	5.6	ug/Kg		11/03/21 10:18	11/18/21 19:46	1
PCB-1248	ND		32	2.3	ug/Kg		11/03/21 10:18	11/18/21 19:46	1
PCB-1254	ND		32	3.6	ug/Kg		11/03/21 10:18	11/18/21 19:46	1
PCB-1260	ND		32	2.6	ug/Kg		11/03/21 10:18	11/18/21 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*	*S1-*	*52 - 138*	*11/03/21 10:18*	*11/18/21 19:46*	*1*
Tetrachloro-m-xylene	*65*		*56 - 114*	*11/03/21 10:18*	*11/18/21 19:46*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**180**		0.98	0.25	mg/Kg		11/01/21 13:39	11/02/21 16:55	1
Arsenic	**3.5**		2.0	1.3	mg/Kg		11/01/21 13:39	11/02/21 16:55	1

Client Sample ID: AOC3-S7B-2

Date Collected: 10/27/21 10:47
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-22

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.2	0.44	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
4,4'-DDE	ND		3.2	0.40	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
4,4'-DDT	ND		3.2	0.47	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
Aldrin	ND		3.2	0.27	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
alpha-BHC	ND		3.2	0.30	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
cis-Chlordane	ND		3.2	0.34	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
beta-BHC	ND		3.2	0.42	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
Chlordane (technical)	ND		38	18	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
delta-BHC	ND		3.2	0.66	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
Dieldrin	ND		3.2	0.38	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
Endosulfan I	ND		3.2	0.34	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
Endosulfan II	ND		3.2	0.34	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
Endosulfan sulfate	ND		3.2	0.66	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
Endrin	ND		3.2	0.38	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
Endrin aldehyde	ND		3.2	1.1	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
Endrin ketone	ND		3.2	0.51	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
trans-Chlordane	ND		3.2	1.1	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
gamma-BHC (Lindane)	ND		3.2	0.27	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
Heptachlor	ND		3.2	0.28	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
Heptachlor epoxide	ND		3.2	0.34	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
Methoxychlor	ND		6.4	1.1	ug/Kg		11/03/21 10:17	11/12/21 20:17	2
Toxaphene	ND		130	42	ug/Kg		11/03/21 10:17	11/12/21 20:17	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*27*	*S1-*	*46 - 109*	*11/03/21 10:17*	*11/12/21 20:17*	*2*
DCB Decachlorobiphenyl	*33*	*S1-*	*46 - 109*	*11/03/21 10:17*	*11/12/21 20:17*	*2*
Tetrachloro-m-xylene	*47*		*47 - 107*	*11/03/21 10:17*	*11/12/21 20:17*	*2*
Tetrachloro-m-xylene	*46*	*S1-*	*47 - 107*	*11/03/21 10:17*	*11/12/21 20:17*	*2*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S8A-0.5

Date Collected: 10/27/21 11:01
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-23

Matrix: Solid

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		250	31	ug/Kg		11/02/21 09:36	11/08/21 11:04	50
Acenaphthylene	ND		250	33	ug/Kg		11/02/21 09:36	11/08/21 11:04	50
Anthracene	ND		250	33	ug/Kg		11/02/21 09:36	11/08/21 11:04	50
Benzo[a]anthracene	ND		250	35	ug/Kg		11/02/21 09:36	11/08/21 11:04	50
Benzo[a]pyrene	ND		250	35	ug/Kg		11/02/21 09:36	11/08/21 11:04	50
Benzo[b]fluoranthene	ND		250	38	ug/Kg		11/02/21 09:36	11/08/21 11:04	50
Benzo[g,h,i]perylene	ND		250	36	ug/Kg		11/02/21 09:36	11/08/21 11:04	50
Benzo[k]fluoranthene	ND		250	36	ug/Kg		11/02/21 09:36	11/08/21 11:04	50
Chrysene	**82**	**J**	250	36	ug/Kg		11/02/21 09:36	11/08/21 11:04	50
Dibenz(a,h)anthracene	ND		250	38	ug/Kg		11/02/21 09:36	11/08/21 11:04	50
Fluoranthene	ND		250	40	ug/Kg		11/02/21 09:36	11/08/21 11:04	50
Fluorene	ND		250	32	ug/Kg		11/02/21 09:36	11/08/21 11:04	50
Indeno[1,2,3-cd]pyrene	ND		250	38	ug/Kg		11/02/21 09:36	11/08/21 11:04	50
Naphthalene	ND		250	33	ug/Kg		11/02/21 09:36	11/08/21 11:04	50
Phenanthrene	**36**	**J**	250	36	ug/Kg		11/02/21 09:36	11/08/21 11:04	50
Pyrene	ND		250	37	ug/Kg		11/02/21 09:36	11/08/21 11:04	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*113*		*53 - 121*	*11/02/21 09:36*	*11/08/21 11:04*	*50*
Fluoranthene-d10 (Surr)	*94*		*50 - 150*	*11/02/21 09:36*	*11/08/21 11:04*	*50*
2-methylnaphthalene-d10	*83*		*50 - 150*	*11/02/21 09:36*	*11/08/21 11:04*	*50*
2-Fluorobiphenyl (Surr)	*84*		*43 - 109*	*11/02/21 09:36*	*11/08/21 11:04*	*50*
Nitrobenzene-d5 (Surr)	*99*		*49 - 114*	*11/02/21 09:36*	*11/08/21 11:04*	*50*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		130000	33000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Acenaphthylene	ND		130000	34000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Anthracene	ND		130000	34000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Benzo[a]anthracene	ND		130000	37000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Benzoic acid	ND		640000	110000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Benzo[b]fluoranthene	ND		130000	38000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Benzo[k]fluoranthene	ND		130000	45000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Benzyl alcohol	ND		130000	68000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Bis(2-chloroethoxy)methane	ND		130000	35000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Bis(2-chloroethyl)ether	ND		130000	32000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
4-Bromophenyl phenyl ether	ND		130000	34000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Butyl benzyl phthalate	ND		130000	38000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
2,4-Dimethylphenol	ND		130000	66000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Dimethyl phthalate	ND		130000	35000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
2-Methyl-4,6-dinitrophenol	ND		640000	32000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
2,4-Dinitrophenol	ND		640000	85000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
2,4-Dinitrotoluene	ND		130000	35000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
2,6-Dinitrotoluene	ND		130000	39000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Fluoranthene	ND		130000	38000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Fluorene	ND		130000	37000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Hexachlorobenzene	ND		130000	35000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Hexachlorobutadiene	ND		130000	33000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Hexachlorocyclopentadiene	ND		640000	25000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Hexachloroethane	ND		130000	32000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S8A-0.5
Date Collected: 10/27/21 11:01
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-23
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		130000	34000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
N-Nitrosodi-n-propylamine	ND		130000	33000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
1,4-Dichlorobenzene	ND		130000	31000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
2-Chloronaphthalene	ND		130000	32000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
2-Chlorophenol	ND		130000	35000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
4-Chlorophenyl phenyl ether	ND		130000	37000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Chrysene	ND		130000	33000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Dibenz(a,h)anthracene	ND		130000	41000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Dibenzofuran	ND		130000	34000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Benzo[g,h,i]perylene	ND		130000	44000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Benzo[a]pyrene	ND		130000	37000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Di-n-butyl phthalate	ND		130000	39000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
1,2-Dichlorobenzene	ND		130000	30000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
1,3-Dichlorobenzene	ND		130000	31000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
3,3'-Dichlorobenzidine	ND		640000	37000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
2,4-Dichlorophenol	ND		130000	35000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Diethyl phthalate	ND		130000	36000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Indeno[1,2,3-cd]pyrene	ND		130000	38000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Isophorone	ND		130000	37000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
2-Methylnaphthalene	ND		130000	34000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
2-Methylphenol	ND		130000	23000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Naphthalene	ND		130000	33000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
2-Nitroaniline	ND		640000	33000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
3-Nitroaniline	ND		640000	66000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
4-Nitroaniline	ND		640000	35000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Nitrobenzene	ND		130000	30000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
2-Nitrophenol	ND		130000	33000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
4-Nitrophenol	ND		640000	110000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Pyrene	ND		130000	37000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Pyridine	ND		260000	29000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Pentachlorophenol	ND		640000	20000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Phenanthrene	ND		130000	37000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
1,2,4-Trichlorobenzene	ND		130000	33000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
2,4,5-Trichlorophenol	ND		130000	33000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
2,4,6-Trichlorophenol	ND		130000	33000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Phenol	ND		130000	33000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Azobenzene	ND		130000	37000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
4-Chloroaniline	ND		130000	23000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Bis(2-ethylhexyl) phthalate	ND		130000	39000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
Di-n-octyl phthalate	ND		130000	39000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40
4-Chloro-3-methylphenol	ND		130000	37000	ug/Kg		11/02/21 11:54	11/11/21 11:17	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*54*		*53 - 113*	*11/02/21 11:54*	*11/11/21 11:17*	*40*
Nitrobenzene-d5	*96*		*54 - 114*	*11/02/21 11:54*	*11/11/21 11:17*	*40*
Terphenyl-d14	*72*		*66 - 126*	*11/02/21 11:54*	*11/11/21 11:17*	*40*
2,4,6-Tribromophenol	*0*	*S1-*	*60 - 120*	*11/02/21 11:54*	*11/11/21 11:17*	*40*
2-Fluorobiphenyl (Surr)	*50*		*47 - 107*	*11/02/21 11:54*	*11/11/21 11:17*	*40*
Phenol-d5	*97*		*54 - 114*	*11/02/21 11:54*	*11/11/21 11:17*	*40*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S8A-0.5

Date Collected: 10/27/21 11:01
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-23

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		17	2.2	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
4,4'-DDE	ND		17	2.1	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
4,4'-DDT	ND		17	2.4	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
Aldrin	ND		17	1.4	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
alpha-BHC	ND		17	1.6	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
cis-Chlordane	ND		17	1.8	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
beta-BHC	ND		17	2.2	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
Chlordane (technical)	ND		200	92	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
delta-BHC	ND		17	3.4	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
Dieldrin	ND		17	2.0	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
Endosulfan I	ND		17	1.8	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
Endosulfan II	ND		17	1.8	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
Endosulfan sulfate	ND		17	3.4	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
Endrin	ND		17	2.0	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
Endrin aldehyde	ND		17	5.6	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
Endrin ketone	ND		17	2.6	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
trans-Chlordane	ND		17	5.9	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
gamma-BHC (Lindane)	ND		17	1.4	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
Heptachlor	ND		17	1.5	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
Heptachlor epoxide	ND		17	1.8	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
Methoxychlor	ND		33	5.5	ug/Kg		11/03/21 10:17	11/12/21 20:36	10
Toxaphene	ND		660	220	ug/Kg		11/03/21 10:17	11/12/21 20:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*46 - 109*	*11/03/21 10:17*	*11/12/21 20:36*	*10*
DCB Decachlorobiphenyl	*54*		*46 - 109*	*11/03/21 10:17*	*11/12/21 20:36*	*10*
Tetrachloro-m-xylene	*82*		*47 - 107*	*11/03/21 10:17*	*11/12/21 20:36*	*10*
Tetrachloro-m-xylene	*63*		*47 - 107*	*11/03/21 10:17*	*11/12/21 20:36*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/03/21 10:18	11/18/21 20:48	1
PCB-1221	ND		32	3.5	ug/Kg		11/03/21 10:18	11/18/21 20:48	1
PCB-1232	ND		32	4.7	ug/Kg		11/03/21 10:18	11/18/21 20:48	1
PCB-1242	ND		32	5.8	ug/Kg		11/03/21 10:18	11/18/21 20:48	1
PCB-1248	ND		32	2.4	ug/Kg		11/03/21 10:18	11/18/21 20:48	1
PCB-1254	ND		32	3.7	ug/Kg		11/03/21 10:18	11/18/21 20:48	1
PCB-1260	**3.2**	**J**	32	2.6	ug/Kg		11/03/21 10:18	11/18/21 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*41*	*S1-*	*52 - 138*	*11/03/21 10:18*	*11/18/21 20:48*	*1*
Tetrachloro-m-xylene	*57*		*56 - 114*	*11/03/21 10:18*	*11/18/21 20:48*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.99	0.22	mg/Kg		11/09/21 08:59	11/10/21 17:32	1
Arsenic	ND		2.5	2.2	mg/Kg		11/09/21 08:59	11/10/21 17:32	1
Barium	**140**		0.49	0.22	mg/Kg		11/09/21 08:59	11/10/21 17:32	1
Beryllium	**0.29**		0.25	0.17	mg/Kg		11/09/21 08:59	11/10/21 17:32	1
Cadmium	**0.62**		0.49	0.20	mg/Kg		11/09/21 08:59	11/10/21 17:32	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S8A-0.5
Date Collected: 10/27/21 11:01
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	4.9		0.99	0.22	mg/Kg		11/09/21 08:59	11/10/21 17:32	1
Chromium	22		0.99	0.17	mg/Kg		11/09/21 08:59	11/10/21 17:32	1
Copper	24		0.99	0.50	mg/Kg		11/09/21 08:59	11/10/21 17:32	1
Molybdenum	ND		0.49	0.44	mg/Kg		11/09/21 08:59	11/10/21 17:32	1
Nickel	21		0.49	0.42	mg/Kg		11/09/21 08:59	11/10/21 17:32	1
Antimony	ND		3.0	1.3	mg/Kg		11/09/21 08:59	11/10/21 17:32	1
Selenium	ND		4.9	1.8	mg/Kg		11/09/21 08:59	11/10/21 17:32	1
Thallium	ND		4.9	1.5	mg/Kg		11/09/21 08:59	11/10/21 17:32	1
Vanadium	18		0.99	0.17	mg/Kg		11/09/21 08:59	11/10/21 17:32	1
Zinc	160		9.9	5.0	mg/Kg		11/09/21 08:59	11/10/21 17:32	1
Lead	310		4.9	0.95	mg/Kg		11/09/21 08:59	11/10/21 17:32	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.085	0.014	mg/Kg		11/09/21 08:55	11/09/21 12:31	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S8A-2

Date Collected: 10/27/21 11:03
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-24

Matrix: Solid

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9	0.62	ug/Kg		11/02/21 09:36	12/02/21 15:01	1
Acenaphthylene	ND		4.9	0.64	ug/Kg		11/02/21 09:36	12/02/21 15:01	1
Anthracene	ND		4.9	0.65	ug/Kg		11/02/21 09:36	12/02/21 15:01	1
Benzo[a]anthracene	ND		4.9	0.69	ug/Kg		11/02/21 09:36	12/02/21 15:01	1
Benzo[a]pyrene	ND		4.9	0.68	ug/Kg		11/02/21 09:36	12/02/21 15:01	1
Benzo[b]fluoranthene	**1.5**	**J**	4.9	0.75	ug/Kg		11/02/21 09:36	12/02/21 15:01	1
Benzo[g,h,i]perylene	**0.89**	**J**	4.9	0.70	ug/Kg		11/02/21 09:36	12/02/21 15:01	1
Benzo[k]fluoranthene	ND		4.9	0.70	ug/Kg		11/02/21 09:36	12/02/21 15:01	1
Chrysene	**2.7**	**J**	4.9	0.70	ug/Kg		11/02/21 09:36	12/02/21 15:01	1
Dibenz(a,h)anthracene	ND		4.9	0.75	ug/Kg		11/02/21 09:36	12/02/21 15:01	1
Fluoranthene	ND		4.9	0.79	ug/Kg		11/02/21 09:36	12/02/21 15:01	1
Fluorene	ND		4.9	0.63	ug/Kg		11/02/21 09:36	12/02/21 15:01	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.75	ug/Kg		11/02/21 09:36	12/02/21 15:01	1
Naphthalene	ND		4.9	0.65	ug/Kg		11/02/21 09:36	12/02/21 15:01	1
Phenanthrene	**1.3**	**J**	4.9	0.70	ug/Kg		11/02/21 09:36	12/02/21 15:01	1
Pyrene	**1.0**	**J**	4.9	0.73	ug/Kg		11/02/21 09:36	12/02/21 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*98*		*53 - 121*	*11/02/21 09:36*	*12/02/21 15:01*	*1*
Fluoranthene-d10 (Surr)	*95*		*50 - 150*	*11/02/21 09:36*	*12/02/21 15:01*	*1*
2-methylnaphthalene-d10	*86*		*50 - 150*	*11/02/21 09:36*	*12/02/21 15:01*	*1*
2-Fluorobiphenyl (Surr)	*83*		*43 - 109*	*11/02/21 09:36*	*12/02/21 15:01*	*1*
Nitrobenzene-d5 (Surr)	*91*		*49 - 114*	*11/02/21 09:36*	*12/02/21 15:01*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		6500	1600	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Acenaphthylene	ND		6500	1700	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Anthracene	ND		6500	1700	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Benzo[a]anthracene	ND		6500	1800	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Benzoic acid	ND		31000	5700	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Benzo[b]fluoranthene	ND		6500	1900	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Benzo[k]fluoranthene	ND		6500	2200	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Benzyl alcohol	ND		6500	3300	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Bis(2-chloroethoxy)methane	ND		6500	1700	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Bis(2-chloroethyl)ether	ND		6500	1600	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
4-Bromophenyl phenyl ether	ND		6500	1700	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Butyl benzyl phthalate	ND		6500	1900	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
2,4-Dimethylphenol	ND		6500	3300	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Dimethyl phthalate	ND		6500	1700	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
2-Methyl-4,6-dinitrophenol	ND		31000	1600	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
2,4-Dinitrophenol	ND		31000	4200	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
2,4-Dinitrotoluene	ND		6500	1700	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
2,6-Dinitrotoluene	ND		6500	1900	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Fluoranthene	ND		6500	1900	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Fluorene	ND		6500	1800	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Hexachlorobenzene	ND		6500	1700	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Hexachlorobutadiene	ND		6500	1600	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Hexachlorocyclopentadiene	ND		31000	1200	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Hexachloroethane	ND		6500	1600	ug/Kg		11/02/21 11:54	11/11/21 11:41	20

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S8A-2
Date Collected: 10/27/21 11:03
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-24
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		6500	1700	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
N-Nitrosodi-n-propylamine	ND		6500	1700	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
1,4-Dichlorobenzene	ND		6500	1500	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
2-Chloronaphthalene	ND		6500	1600	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
2-Chlorophenol	ND		6500	1700	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
4-Chlorophenyl phenyl ether	ND		6500	1800	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Chrysene	ND		6500	1700	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Dibenz(a,h)anthracene	ND		6500	2000	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Dibenzofuran	ND		6500	1700	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Benzo[g,h,i]perylene	ND		6500	2200	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Benzo[a]pyrene	ND		6500	1800	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Di-n-butyl phthalate	ND		6500	1900	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
1,2-Dichlorobenzene	ND		6500	1500	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
1,3-Dichlorobenzene	ND		6500	1500	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
3,3'-Dichlorobenzidine	ND		31000	1800	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
2,4-Dichlorophenol	ND		6500	1700	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Diethyl phthalate	ND		6500	1800	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Indeno[1,2,3-cd]pyrene	ND		6500	1900	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Isophorone	ND		6500	1800	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
2-Methylnaphthalene	ND		6500	1700	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
2-Methylphenol	ND		6500	1100	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Naphthalene	ND		6500	1600	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
2-Nitroaniline	ND		31000	1700	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
3-Nitroaniline	ND		31000	3300	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
4-Nitroaniline	ND		31000	1700	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Nitrobenzene	ND		6500	1500	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
2-Nitrophenol	ND		6500	1600	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
4-Nitrophenol	ND		31000	5500	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Pyrene	ND		6500	1800	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Pyridine	ND		13000	1400	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Pentachlorophenol	ND		31000	1000	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Phenanthrene	ND		6500	1800	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
1,2,4-Trichlorobenzene	ND		6500	1600	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
2,4,5-Trichlorophenol	ND		6500	1600	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
2,4,6-Trichlorophenol	ND		6500	1700	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Phenol	ND		6500	1600	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Azobenzene	ND		6500	1800	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
4-Chloroaniline	ND		6500	1100	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Bis(2-ethylhexyl) phthalate	ND		6500	1900	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
Di-n-octyl phthalate	ND		6500	1900	ug/Kg		11/02/21 11:54	11/11/21 11:41	20
4-Chloro-3-methylphenol	ND		6500	1800	ug/Kg		11/02/21 11:54	11/11/21 11:41	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*61*		*53 - 113*	*11/02/21 11:54*	*11/11/21 11:41*	*20*
Nitrobenzene-d5	*54*		*54 - 114*	*11/02/21 11:54*	*11/11/21 11:41*	*20*
Terphenyl-d14	*76*		*66 - 126*	*11/02/21 11:54*	*11/11/21 11:41*	*20*
2,4,6-Tribromophenol	*77*		*60 - 120*	*11/02/21 11:54*	*11/11/21 11:41*	*20*
2-Fluorobiphenyl (Surr)	*64*		*47 - 107*	*11/02/21 11:54*	*11/11/21 11:41*	*20*
Phenol-d5	*58*		*54 - 114*	*11/02/21 11:54*	*11/11/21 11:41*	*20*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S8A-2

Date Collected: 10/27/21 11:03
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-24

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
Aldrin	ND		1.6	0.13	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
Chlordane (technical)	ND		19	8.9	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
delta-BHC	ND		1.6	0.33	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
Endosulfan sulfate	ND		1.6	0.33	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
Endrin	ND		1.6	0.19	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
Endrin aldehyde	ND		1.6	0.54	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
trans-Chlordane	ND		1.6	0.57	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
Methoxychlor	ND		3.2	0.53	ug/Kg		11/03/21 10:17	11/12/21 20:54	1
Toxaphene	ND		64	21	ug/Kg		11/03/21 10:17	11/12/21 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*22*	*S1-*	*46 - 109*	*11/03/21 10:17*	*11/12/21 20:54*	*1*
DCB Decachlorobiphenyl	*23*	*S1-*	*46 - 109*	*11/03/21 10:17*	*11/12/21 20:54*	*1*
Tetrachloro-m-xylene	*45*	*S1-*	*47 - 107*	*11/03/21 10:17*	*11/12/21 20:54*	*1*
Tetrachloro-m-xylene	*40*	*S1-*	*47 - 107*	*11/03/21 10:17*	*11/12/21 20:54*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.95	0.21	mg/Kg		11/09/21 08:59	11/10/21 17:34	1
Arsenic	ND		2.4	2.2	mg/Kg		11/09/21 08:59	11/10/21 17:34	1
Barium	**110**		0.48	0.21	mg/Kg		11/09/21 08:59	11/10/21 17:34	1
Beryllium	**0.34**		0.24	0.16	mg/Kg		11/09/21 08:59	11/10/21 17:34	1
Cadmium	**0.68**		0.48	0.19	mg/Kg		11/09/21 08:59	11/10/21 17:34	1
Cobalt	**7.0**		0.95	0.22	mg/Kg		11/09/21 08:59	11/10/21 17:34	1
Chromium	**33**		0.95	0.17	mg/Kg		11/09/21 08:59	11/10/21 17:34	1
Copper	**13**		0.95	0.48	mg/Kg		11/09/21 08:59	11/10/21 17:34	1
Molybdenum	ND		0.48	0.43	mg/Kg		11/09/21 08:59	11/10/21 17:34	1
Nickel	**27**		0.48	0.41	mg/Kg		11/09/21 08:59	11/10/21 17:34	1
Antimony	ND		2.9	1.3	mg/Kg		11/09/21 08:59	11/10/21 17:34	1
Selenium	ND	L	4.8	1.8	mg/Kg		11/09/21 08:59	11/10/21 17:34	1
Thallium	ND		4.8	1.4	mg/Kg		11/09/21 08:59	11/10/21 17:34	1
Vanadium	**22**		0.95	0.16	mg/Kg		11/09/21 08:59	11/10/21 17:34	1
Zinc	**51**		9.5	4.9	mg/Kg		11/09/21 08:59	11/10/21 17:34	1
Lead	**94**		4.8	0.92	mg/Kg		11/09/21 08:59	11/10/21 17:34	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S8A-2

Lab Sample ID: 320-80943-24

Date Collected: 10/27/21 11:03

Matrix: Solid

Date Received: 10/28/21 12:50

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.083	0.014	mg/Kg		11/09/21 08:55	11/09/21 12:33	1

Client Sample ID: AOC3/AOC10-S8B-0.5
Date Collected: 10/27/21 11:27
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-25
Matrix: Solid

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		230	29	ug/Kg		11/02/21 09:36	11/08/21 12:03	50
Acenaphthylene	ND		230	30	ug/Kg		11/02/21 09:36	11/08/21 12:03	50
Anthracene	ND		230	31	ug/Kg		11/02/21 09:36	11/08/21 12:03	50
Benzo[a]anthracene	ND		230	33	ug/Kg		11/02/21 09:36	11/08/21 12:03	50
Benzo[a]pyrene	ND		230	32	ug/Kg		11/02/21 09:36	11/08/21 12:03	50
Benzo[b]fluoranthene	ND		230	35	ug/Kg		11/02/21 09:36	11/08/21 12:03	50
Benzo[g,h,i]perylene	ND		230	33	ug/Kg		11/02/21 09:36	11/08/21 12:03	50
Benzo[k]fluoranthene	ND		230	33	ug/Kg		11/02/21 09:36	11/08/21 12:03	50
Chrysene	**88**	**J**	230	33	ug/Kg		11/02/21 09:36	11/08/21 12:03	50
Dibenz(a,h)anthracene	ND		230	35	ug/Kg		11/02/21 09:36	11/08/21 12:03	50
Fluoranthene	ND		230	37	ug/Kg		11/02/21 09:36	11/08/21 12:03	50
Fluorene	ND		230	29	ug/Kg		11/02/21 09:36	11/08/21 12:03	50
Indeno[1,2,3-cd]pyrene	ND		230	35	ug/Kg		11/02/21 09:36	11/08/21 12:03	50
Naphthalene	ND		230	31	ug/Kg		11/02/21 09:36	11/08/21 12:03	50
Phenanthrene	ND		230	33	ug/Kg		11/02/21 09:36	11/08/21 12:03	50
Pyrene	ND		230	35	ug/Kg		11/02/21 09:36	11/08/21 12:03	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*115*		*53 - 121*	*11/02/21 09:36*	*11/08/21 12:03*	*50*
Fluoranthene-d10 (Surr)	*97*		*50 - 150*	*11/02/21 09:36*	*11/08/21 12:03*	*50*
2-methylnaphthalene-d10	*107*		*50 - 150*	*11/02/21 09:36*	*11/08/21 12:03*	*50*
2-Fluorobiphenyl (Surr)	*89*		*43 - 109*	*11/02/21 09:36*	*11/08/21 12:03*	*50*
Nitrobenzene-d5 (Surr)	*95*		*49 - 114*	*11/02/21 09:36*	*11/08/21 12:03*	*50*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		130000	32000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Acenaphthylene	ND		130000	33000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Anthracene	ND		130000	34000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Benzo[a]anthracene	ND		130000	36000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Benzoic acid	ND		630000	110000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Benzo[b]fluoranthene	ND		130000	37000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Benzo[k]fluoranthene	ND		130000	44000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Benzyl alcohol	ND		130000	66000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Bis(2-chloroethoxy)methane	ND		130000	34000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Bis(2-chloroethyl)ether	ND		130000	32000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
4-Bromophenyl phenyl ether	ND		130000	33000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Butyl benzyl phthalate	ND		130000	37000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
2,4-Dimethylphenol	ND		130000	65000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Dimethyl phthalate	ND		130000	34000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
2-Methyl-4,6-dinitrophenol	ND		630000	32000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
2,4-Dinitrophenol	ND		630000	84000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
2,4-Dinitrotoluene	ND		130000	35000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
2,6-Dinitrotoluene	ND		130000	39000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Fluoranthene	ND		130000	37000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Fluorene	ND		130000	36000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Hexachlorobenzene	ND		130000	35000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Hexachlorobutadiene	ND		130000	32000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Hexachlorocyclopentadiene	ND		630000	24000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Hexachloroethane	ND		130000	32000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S8B-0.5
Date Collected: 10/27/21 11:27
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-25
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		130000	34000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
N-Nitrosodi-n-propylamine	ND		130000	33000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
1,4-Dichlorobenzene	ND		130000	30000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
2-Chloronaphthalene	ND		130000	32000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
2-Chlorophenol	ND		130000	34000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
4-Chlorophenyl phenyl ether	ND		130000	36000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Chrysene	ND		130000	33000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Dibenz(a,h)anthracene	ND		130000	40000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Dibenzofuran	ND		130000	34000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Benzo[g,h,i]perylene	ND		130000	43000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Benzo[a]pyrene	ND		130000	37000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Di-n-butyl phthalate	ND		130000	38000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
1,2-Dichlorobenzene	ND		130000	29000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
1,3-Dichlorobenzene	ND		130000	30000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
3,3'-Dichlorobenzidine	ND		630000	37000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
2,4-Dichlorophenol	ND		130000	35000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Diethyl phthalate	ND		130000	35000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Indeno[1,2,3-cd]pyrene	ND		130000	38000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Isophorone	ND		130000	36000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
2-Methylnaphthalene	ND		130000	33000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
2-Methylphenol	ND		130000	23000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Naphthalene	ND		130000	32000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
2-Nitroaniline	ND		630000	33000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
3-Nitroaniline	ND		630000	65000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
4-Nitroaniline	ND		630000	34000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Nitrobenzene	ND		130000	30000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
2-Nitrophenol	ND		130000	32000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
4-Nitrophenol	ND		630000	110000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Pyrene	ND		130000	37000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Pyridine	ND		260000	28000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Pentachlorophenol	ND		630000	20000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Phenanthrene	ND		130000	37000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
1,2,4-Trichlorobenzene	ND		130000	32000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
2,4,5-Trichlorophenol	ND		130000	32000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
2,4,6-Trichlorophenol	ND		130000	33000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Phenol	ND		130000	32000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Azobenzene	ND		130000	36000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
4-Chloroaniline	ND		130000	23000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Bis(2-ethylhexyl) phthalate	ND		130000	38000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
Di-n-octyl phthalate	ND		130000	38000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40
4-Chloro-3-methylphenol	ND		130000	36000	ug/Kg		11/02/21 11:54	11/11/21 12:06	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*54*		*53 - 113*	*11/02/21 11:54*	*11/11/21 12:06*	*40*
Nitrobenzene-d5	*90*		*54 - 114*	*11/02/21 11:54*	*11/11/21 12:06*	*40*
Terphenyl-d14	*90*		*66 - 126*	*11/02/21 11:54*	*11/11/21 12:06*	*40*
2,4,6-Tribromophenol	*0*	*S1-*	*60 - 120*	*11/02/21 11:54*	*11/11/21 12:06*	*40*
2-Fluorobiphenyl (Surr)	*71*		*47 - 107*	*11/02/21 11:54*	*11/11/21 12:06*	*40*
Phenol-d5	*48*	*S1-*	*54 - 114*	*11/02/21 11:54*	*11/11/21 12:06*	*40*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S8B-0.5

Date Collected: 10/27/21 11:27
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-25

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.0	1.1	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
4,4'-DDE	ND		8.0	0.99	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
4,4'-DDT	ND		8.0	1.2	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
Aldrin	ND		8.0	0.66	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
alpha-BHC	ND		8.0	0.75	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
cis-Chlordane	ND		8.0	0.85	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
beta-BHC	ND		8.0	1.0	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
Chlordane (technical)	ND		94	44	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
delta-BHC	ND		8.0	1.6	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
Dieldrin	ND		8.0	0.94	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
Endosulfan I	ND		8.0	0.85	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
Endosulfan II	ND		8.0	0.85	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
Endosulfan sulfate	ND		8.0	1.6	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
Endrin	ND		8.0	0.94	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
Endrin aldehyde	ND		8.0	2.7	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
Endrin ketone	ND		8.0	1.3	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
trans-Chlordane	ND		8.0	2.8	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
gamma-BHC (Lindane)	ND		8.0	0.66	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
Heptachlor	ND		8.0	0.71	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
Heptachlor epoxide	ND		8.0	0.85	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
Methoxychlor	ND		16	2.6	ug/Kg		11/04/21 09:18	11/10/21 19:05	5
Toxaphene	ND		320	110	ug/Kg		11/04/21 09:18	11/10/21 19:05	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*46 - 109*	*11/04/21 09:18*	*11/10/21 19:05*	*5*
DCB Decachlorobiphenyl	*36*	*S1-*	*46 - 109*	*11/04/21 09:18*	*11/10/21 19:05*	*5*
Tetrachloro-m-xylene	*73*		*47 - 107*	*11/04/21 09:18*	*11/10/21 19:05*	*5*
Tetrachloro-m-xylene	*59*		*47 - 107*	*11/04/21 09:18*	*11/10/21 19:05*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		31	2.4	ug/Kg		11/04/21 09:21	11/11/21 14:21	1
PCB-1221	ND		31	3.4	ug/Kg		11/04/21 09:21	11/11/21 14:21	1
PCB-1232	ND		31	4.5	ug/Kg		11/04/21 09:21	11/11/21 14:21	1
PCB-1242	ND		31	5.5	ug/Kg		11/04/21 09:21	11/11/21 14:21	1
PCB-1248	ND		31	2.3	ug/Kg		11/04/21 09:21	11/11/21 14:21	1
PCB-1254	ND		31	3.6	ug/Kg		11/04/21 09:21	11/11/21 14:21	1
PCB-1260	ND		31	2.5	ug/Kg		11/04/21 09:21	11/11/21 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*52 - 138*	*11/04/21 09:21*	*11/11/21 14:21*	*1*
Tetrachloro-m-xylene	*59*		*56 - 114*	*11/04/21 09:21*	*11/11/21 14:21*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.23	mg/Kg		11/09/21 08:59	11/10/21 17:36	1
Arsenic	ND		2.6	2.3	mg/Kg		11/09/21 08:59	11/10/21 17:36	1
Barium	**76**		0.51	0.23	mg/Kg		11/09/21 08:59	11/10/21 17:36	1
Beryllium	**0.24**	**J**	0.26	0.18	mg/Kg		11/09/21 08:59	11/10/21 17:36	1
Cadmium	**0.32**	**J**	0.51	0.21	mg/Kg		11/09/21 08:59	11/10/21 17:36	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S8B-0.5

Date Collected: 10/27/21 11:27
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-25

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	4.2		1.0	0.23	mg/Kg		11/09/21 08:59	11/10/21 17:36	1
Chromium	27		1.0	0.18	mg/Kg		11/09/21 08:59	11/10/21 17:36	1
Copper	6.4		1.0	0.52	mg/Kg		11/09/21 08:59	11/10/21 17:36	1
Molybdenum	ND		0.51	0.46	mg/Kg		11/09/21 08:59	11/10/21 17:36	1
Nickel	21		0.51	0.44	mg/Kg		11/09/21 08:59	11/10/21 17:36	1
Antimony	ND		3.1	1.4	mg/Kg		11/09/21 08:59	11/10/21 17:36	1
Selenium	ND		5.1	1.9	mg/Kg		11/09/21 08:59	11/10/21 17:36	1
Thallium	ND		5.1	1.5	mg/Kg		11/09/21 08:59	11/10/21 17:36	1
Vanadium	14		1.0	0.18	mg/Kg		11/09/21 08:59	11/10/21 17:36	1
Zinc	20		10	5.2	mg/Kg		11/09/21 08:59	11/10/21 17:36	1
Lead	3.8	J	5.1	0.99	mg/Kg		11/09/21 08:59	11/10/21 17:36	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.16		0.086	0.014	mg/Kg		11/09/21 08:55	11/09/21 12:35	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S8B-2

Date Collected: 10/27/21 11:29
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-26

Matrix: Solid

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.6	0.58	ug/Kg		11/02/21 09:36	12/02/21 15:30	1
Acenaphthylene	ND		4.6	0.60	ug/Kg		11/02/21 09:36	12/02/21 15:30	1
Anthracene	ND		4.6	0.61	ug/Kg		11/02/21 09:36	12/02/21 15:30	1
Benzo[a]anthracene	ND		4.6	0.65	ug/Kg		11/02/21 09:36	12/02/21 15:30	1
Benzo[a]pyrene	ND		4.6	0.64	ug/Kg		11/02/21 09:36	12/02/21 15:30	1
Benzo[b]fluoranthene	**1.0**	**J**	4.6	0.71	ug/Kg		11/02/21 09:36	12/02/21 15:30	1
Benzo[g,h,i]perylene	**0.73**	**J**	4.6	0.66	ug/Kg		11/02/21 09:36	12/02/21 15:30	1
Benzo[k]fluoranthene	ND		4.6	0.66	ug/Kg		11/02/21 09:36	12/02/21 15:30	1
Chrysene	**2.7**	**J**	4.6	0.66	ug/Kg		11/02/21 09:36	12/02/21 15:30	1
Dibenz(a,h)anthracene	ND		4.6	0.71	ug/Kg		11/02/21 09:36	12/02/21 15:30	1
Fluoranthene	ND		4.6	0.74	ug/Kg		11/02/21 09:36	12/02/21 15:30	1
Fluorene	ND		4.6	0.59	ug/Kg		11/02/21 09:36	12/02/21 15:30	1
Indeno[1,2,3-cd]pyrene	ND		4.6	0.71	ug/Kg		11/02/21 09:36	12/02/21 15:30	1
Naphthalene	ND		4.6	0.61	ug/Kg		11/02/21 09:36	12/02/21 15:30	1
Phenanthrene	**1.3**	**J**	4.6	0.66	ug/Kg		11/02/21 09:36	12/02/21 15:30	1
Pyrene	**0.81**	**J**	4.6	0.69	ug/Kg		11/02/21 09:36	12/02/21 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*93*		*53 - 121*	*11/02/21 09:36*	*12/02/21 15:30*	*1*
Fluoranthene-d10 (Surr)	*93*		*50 - 150*	*11/02/21 09:36*	*12/02/21 15:30*	*1*
2-methylnaphthalene-d10	*82*		*50 - 150*	*11/02/21 09:36*	*12/02/21 15:30*	*1*
2-Fluorobiphenyl (Surr)	*80*		*43 - 109*	*11/02/21 09:36*	*12/02/21 15:30*	*1*
Nitrobenzene-d5 (Surr)	*90*		*49 - 114*	*11/02/21 09:36*	*12/02/21 15:30*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		13000	3200	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Acenaphthylene	ND		13000	3300	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Anthracene	ND		13000	3300	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Benzo[a]anthracene	ND		13000	3600	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Benzoic acid	ND		62000	11000	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Benzo[b]fluoranthene	ND		13000	3700	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Benzo[k]fluoranthene	ND		13000	4400	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Benzyl alcohol	ND		13000	6600	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Bis(2-chloroethoxy)methane	ND		13000	3400	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Bis(2-chloroethyl)ether	ND		13000	3100	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
4-Bromophenyl phenyl ether	ND		13000	3300	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Butyl benzyl phthalate	ND		13000	3700	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
2,4-Dimethylphenol	ND		13000	6500	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Dimethyl phthalate	ND		13000	3400	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
2-Methyl-4,6-dinitrophenol	ND		62000	3100	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
2,4-Dinitrophenol	ND		62000	8300	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
2,4-Dinitrotoluene	ND		13000	3500	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
2,6-Dinitrotoluene	ND		13000	3800	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Fluoranthene	ND		13000	3700	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Fluorene	ND		13000	3600	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Hexachlorobenzene	ND		13000	3500	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Hexachlorobutadiene	ND		13000	3200	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Hexachlorocyclopentadiene	ND		62000	2400	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Hexachloroethane	ND		13000	3100	ug/Kg		11/02/21 11:54	11/11/21 12:31	40

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S8B-2
Date Collected: 10/27/21 11:29
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-26
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		13000	3300	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
N-Nitrosodi-n-propylamine	ND		13000	3300	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
1,4-Dichlorobenzene	ND		13000	3000	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
2-Chloronaphthalene	ND		13000	3100	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
2-Chlorophenol	ND		13000	3400	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
4-Chlorophenyl phenyl ether	ND		13000	3600	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Chrysene	ND		13000	3300	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Dibenz(a,h)anthracene	ND		13000	4000	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Dibenzofuran	ND		13000	3300	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Benzo[g,h,i]perylene	ND		13000	4300	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Benzo[a]pyrene	ND		13000	3600	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Di-n-butyl phthalate	ND		13000	3800	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
1,2-Dichlorobenzene	ND		13000	2900	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
1,3-Dichlorobenzene	ND		13000	3000	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
3,3'-Dichlorobenzidine	ND		62000	3600	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
2,4-Dichlorophenol	ND		13000	3500	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Diethyl phthalate	ND		13000	3500	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Indeno[1,2,3-cd]pyrene	ND		13000	3700	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Isophorone	ND		13000	3600	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
2-Methylnaphthalene	ND		13000	3300	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
2-Methylphenol	ND		13000	2300	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Naphthalene	ND		13000	3200	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
2-Nitroaniline	ND		62000	3300	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
3-Nitroaniline	ND		62000	6500	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
4-Nitroaniline	ND		62000	3400	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Nitrobenzene	ND		13000	2900	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
2-Nitrophenol	ND		13000	3200	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
4-Nitrophenol	ND		62000	11000	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Pyrene	ND		13000	3600	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Pyridine	ND		26000	2800	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Pentachlorophenol	ND		62000	2000	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Phenanthrene	ND		13000	3600	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
1,2,4-Trichlorobenzene	ND		13000	3200	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
2,4,5-Trichlorophenol	ND		13000	3200	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
2,4,6-Trichlorophenol	ND		13000	3300	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Phenol	ND		13000	3200	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Azobenzene	ND		13000	3600	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
4-Chloroaniline	ND		13000	2300	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Bis(2-ethylhexyl) phthalate	ND		13000	3800	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
Di-n-octyl phthalate	ND		13000	3800	ug/Kg		11/02/21 11:54	11/11/21 12:31	40
4-Chloro-3-methylphenol	ND		13000	3600	ug/Kg		11/02/21 11:54	11/11/21 12:31	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*56*		*53 - 113*	*11/02/21 11:54*	*11/11/21 12:31*	*40*
Nitrobenzene-d5	*61*		*54 - 114*	*11/02/21 11:54*	*11/11/21 12:31*	*40*
Terphenyl-d14	*74*		*66 - 126*	*11/02/21 11:54*	*11/11/21 12:31*	*40*
2,4,6-Tribromophenol	*91*		*60 - 120*	*11/02/21 11:54*	*11/11/21 12:31*	*40*
2-Fluorobiphenyl (Surr)	*71*		*47 - 107*	*11/02/21 11:54*	*11/11/21 12:31*	*40*
Phenol-d5	*60*		*54 - 114*	*11/02/21 11:54*	*11/11/21 12:31*	*40*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S8B-2

Date Collected: 10/27/21 11:29
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-26

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
4,4'-DDT	ND		1.7	0.24	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
Aldrin	ND		1.7	0.14	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
Chlordane (technical)	ND		20	9.2	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
delta-BHC	ND		1.7	0.34	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
Endosulfan sulfate	ND		1.7	0.34	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
Endrin	ND		1.7	0.20	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
Endrin ketone	ND		1.7	0.26	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
trans-Chlordane	ND		1.7	0.59	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
Methoxychlor	ND		3.3	0.55	ug/Kg		11/04/21 09:18	11/10/21 19:23	1
Toxaphene	ND		66	22	ug/Kg		11/04/21 09:18	11/10/21 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*47*		*46 - 109*	*11/04/21 09:18*	*11/10/21 19:23*	*1*
DCB Decachlorobiphenyl	*45*	*S1-*	*46 - 109*	*11/04/21 09:18*	*11/10/21 19:23*	*1*
Tetrachloro-m-xylene	*69*		*47 - 107*	*11/04/21 09:18*	*11/10/21 19:23*	*1*
Tetrachloro-m-xylene	*64*		*47 - 107*	*11/04/21 09:18*	*11/10/21 19:23*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.23	mg/Kg		11/09/21 08:59	11/10/21 17:38	1
Arsenic	ND		2.5	2.3	mg/Kg		11/09/21 08:59	11/10/21 17:38	1
Barium	**120**		0.51	0.22	mg/Kg		11/09/21 08:59	11/10/21 17:38	1
Beryllium	**0.34**		0.25	0.17	mg/Kg		11/09/21 08:59	11/10/21 17:38	1
Cadmium	**0.70**		0.51	0.20	mg/Kg		11/09/21 08:59	11/10/21 17:38	1
Cobalt	**5.7**		1.0	0.23	mg/Kg		11/09/21 08:59	11/10/21 17:38	1
Chromium	**22**		1.0	0.18	mg/Kg		11/09/21 08:59	11/10/21 17:38	1
Copper	**26**		1.0	0.51	mg/Kg		11/09/21 08:59	11/10/21 17:38	1
Molybdenum	ND		0.51	0.46	mg/Kg		11/09/21 08:59	11/10/21 17:38	1
Nickel	**20**		0.51	0.43	mg/Kg		11/09/21 08:59	11/10/21 17:38	1
Antimony	ND		3.0	1.4	mg/Kg		11/09/21 08:59	11/10/21 17:38	1
Selenium	ND		5.1	1.9	mg/Kg		11/09/21 08:59	11/10/21 17:38	1
Thallium	ND		5.1	1.5	mg/Kg		11/09/21 08:59	11/10/21 17:38	1
Vanadium	**17**		1.0	0.17	mg/Kg		11/09/21 08:59	11/10/21 17:38	1
Zinc	**120**		10	5.2	mg/Kg		11/09/21 08:59	11/10/21 17:38	1
Lead	**150**		5.1	0.98	mg/Kg		11/09/21 08:59	11/10/21 17:38	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S8B-2

Lab Sample ID: 320-80943-26

Date Collected: 10/27/21 11:29

Matrix: Solid

Date Received: 10/28/21 12:50

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.082	0.013	mg/Kg		11/09/21 08:55	11/09/21 12:37	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S9C-0.5
Date Collected: 10/27/21 11:41
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-27
Matrix: Solid

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		250	31	ug/Kg		11/02/21 09:36	11/08/21 13:03	50
Acenaphthylene	ND		250	32	ug/Kg		11/02/21 09:36	11/08/21 13:03	50
Anthracene	ND		250	33	ug/Kg		11/02/21 09:36	11/08/21 13:03	50
Benzo[a]anthracene	ND		250	35	ug/Kg		11/02/21 09:36	11/08/21 13:03	50
Benzo[a]pyrene	ND		250	34	ug/Kg		11/02/21 09:36	11/08/21 13:03	50
Benzo[b]fluoranthene	ND		250	38	ug/Kg		11/02/21 09:36	11/08/21 13:03	50
Benzo[g,h,i]perylene	ND		250	35	ug/Kg		11/02/21 09:36	11/08/21 13:03	50
Benzo[k]fluoranthene	ND		250	35	ug/Kg		11/02/21 09:36	11/08/21 13:03	50
Chrysene	**91**	**J**	250	35	ug/Kg		11/02/21 09:36	11/08/21 13:03	50
Dibenz(a,h)anthracene	ND		250	38	ug/Kg		11/02/21 09:36	11/08/21 13:03	50
Fluoranthene	ND		250	40	ug/Kg		11/02/21 09:36	11/08/21 13:03	50
Fluorene	ND		250	31	ug/Kg		11/02/21 09:36	11/08/21 13:03	50
Indeno[1,2,3-cd]pyrene	ND		250	38	ug/Kg		11/02/21 09:36	11/08/21 13:03	50
Naphthalene	ND		250	33	ug/Kg		11/02/21 09:36	11/08/21 13:03	50
Phenanthrene	**47**	**J**	250	35	ug/Kg		11/02/21 09:36	11/08/21 13:03	50
Pyrene	ND		250	37	ug/Kg		11/02/21 09:36	11/08/21 13:03	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*96*		*53 - 121*	*11/02/21 09:36*	*11/08/21 13:03*	*50*
Fluoranthene-d10 (Surr)	*102*		*50 - 150*	*11/02/21 09:36*	*11/08/21 13:03*	*50*
2-methylnaphthalene-d10	*103*		*50 - 150*	*11/02/21 09:36*	*11/08/21 13:03*	*50*
2-Fluorobiphenyl (Surr)	*93*		*43 - 109*	*11/02/21 09:36*	*11/08/21 13:03*	*50*
Nitrobenzene-d5 (Surr)	*121*	*S1+*	*49 - 114*	*11/02/21 09:36*	*11/08/21 13:03*	*50*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Acenaphthylene	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Anthracene	ND		130000	34000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Benzo[a]anthracene	ND		130000	36000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Benzoic acid	ND		630000	110000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Benzo[b]fluoranthene	ND		130000	37000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Benzo[k]fluoranthene	ND		130000	44000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Benzyl alcohol	ND		130000	67000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Bis(2-chloroethoxy)methane	ND		130000	34000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Bis(2-chloroethyl)ether	ND		130000	32000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
4-Bromophenyl phenyl ether	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Butyl benzyl phthalate	ND		130000	37000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
2,4-Dimethylphenol	ND		130000	65000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Dimethyl phthalate	ND		130000	34000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
2-Methyl-4,6-dinitrophenol	ND		630000	32000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
2,4-Dinitrophenol	ND		630000	84000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
2,4-Dinitrotoluene	ND		130000	35000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
2,6-Dinitrotoluene	ND		130000	39000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Fluoranthene	ND		130000	37000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Fluorene	ND		130000	36000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Hexachlorobenzene	ND		130000	35000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Hexachlorobutadiene	ND		130000	32000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Hexachlorocyclopentadiene	ND		630000	24000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Hexachloroethane	ND		130000	32000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S9C-0.5
Date Collected: 10/27/21 11:41
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-27
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		130000	34000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
N-Nitrosodi-n-propylamine	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
1,4-Dichlorobenzene	ND		130000	30000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
2-Chloronaphthalene	ND		130000	32000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
2-Chlorophenol	ND		130000	34000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
4-Chlorophenyl phenyl ether	ND		130000	36000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Chrysene	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Dibenz(a,h)anthracene	ND		130000	40000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Dibenzofuran	ND		130000	34000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Benzo[g,h,i]perylene	ND		130000	43000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Benzo[a]pyrene	ND		130000	37000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Di-n-butyl phthalate	ND		130000	38000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
1,2-Dichlorobenzene	ND		130000	29000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
1,3-Dichlorobenzene	ND		130000	31000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
3,3'-Dichlorobenzidine	ND		630000	37000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
2,4-Dichlorophenol	ND		130000	35000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Diethyl phthalate	ND		130000	35000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Indeno[1,2,3-cd]pyrene	ND		130000	38000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Isophorone	ND		130000	36000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
2-Methylnaphthalene	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
2-Methylphenol	ND		130000	23000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Naphthalene	ND		130000	32000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
2-Nitroaniline	ND		630000	33000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
3-Nitroaniline	ND		630000	65000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
4-Nitroaniline	ND		630000	34000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Nitrobenzene	ND		130000	30000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
2-Nitrophenol	ND		130000	32000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
4-Nitrophenol	ND		630000	110000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Pyrene	ND		130000	37000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Pyridine	ND		260000	28000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Pentachlorophenol	ND		630000	20000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Phenanthrene	ND		130000	37000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
1,2,4-Trichlorobenzene	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
2,4,5-Trichlorophenol	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
2,4,6-Trichlorophenol	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Phenol	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Azobenzene	ND		130000	36000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
4-Chloroaniline	ND		130000	23000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Bis(2-ethylhexyl) phthalate	ND		130000	38000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
Di-n-octyl phthalate	ND		130000	38000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40
4-Chloro-3-methylphenol	ND		130000	36000	ug/Kg		11/02/21 11:59	11/11/21 12:56	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*37*	*S1-*	*53 - 113*	*11/02/21 11:59*	*11/11/21 12:56*	*40*
Nitrobenzene-d5	*64*		*54 - 114*	*11/02/21 11:59*	*11/11/21 12:56*	*40*
Terphenyl-d14	*87*		*66 - 126*	*11/02/21 11:59*	*11/11/21 12:56*	*40*
2,4,6-Tribromophenol	*0*	*S1-*	*60 - 120*	*11/02/21 11:59*	*11/11/21 12:56*	*40*
2-Fluorobiphenyl (Surr)	*100*		*47 - 107*	*11/02/21 11:59*	*11/11/21 12:56*	*40*
Phenol-d5	*67*		*54 - 114*	*11/02/21 11:59*	*11/11/21 12:56*	*40*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S9C-0.5

Date Collected: 10/27/21 11:41
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-27

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.3	1.1	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
4,4'-DDE	ND		8.3	1.0	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
4,4'-DDT	ND		8.3	1.2	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
Aldrin	ND		8.3	0.68	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
alpha-BHC	ND		8.3	0.78	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
cis-Chlordane	ND		8.3	0.87	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
beta-BHC	ND		8.3	1.1	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
Chlordane (technical)	ND		97	46	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
delta-BHC	ND		8.3	1.7	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
Dieldrin	ND		8.3	0.97	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
Endosulfan I	ND		8.3	0.87	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
Endosulfan II	ND		8.3	0.87	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
Endosulfan sulfate	ND		8.3	1.7	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
Endrin	ND		8.3	0.97	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
Endrin aldehyde	ND		8.3	2.8	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
Endrin ketone	ND		8.3	1.3	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
trans-Chlordane	ND		8.3	2.9	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
gamma-BHC (Lindane)	ND		8.3	0.68	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
Heptachlor	ND		8.3	0.73	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
Heptachlor epoxide	ND		8.3	0.87	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
Methoxychlor	ND		17	2.7	ug/Kg		11/04/21 09:18	11/10/21 19:42	5
Toxaphene	ND		330	110	ug/Kg		11/04/21 09:18	11/10/21 19:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*46 - 109*	*11/04/21 09:18*	*11/10/21 19:42*	*5*
DCB Decachlorobiphenyl	*47*		*46 - 109*	*11/04/21 09:18*	*11/10/21 19:42*	*5*
Tetrachloro-m-xylene	*76*		*47 - 107*	*11/04/21 09:18*	*11/10/21 19:42*	*5*
Tetrachloro-m-xylene	*62*		*47 - 107*	*11/04/21 09:18*	*11/10/21 19:42*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/04/21 09:21	11/11/21 14:42	1
PCB-1221	ND		32	3.5	ug/Kg		11/04/21 09:21	11/11/21 14:42	1
PCB-1232	ND		32	4.7	ug/Kg		11/04/21 09:21	11/11/21 14:42	1
PCB-1242	ND		32	5.7	ug/Kg		11/04/21 09:21	11/11/21 14:42	1
PCB-1248	ND		32	2.4	ug/Kg		11/04/21 09:21	11/11/21 14:42	1
PCB-1254	ND		32	3.7	ug/Kg		11/04/21 09:21	11/11/21 14:42	1
PCB-1260	ND		32	2.6	ug/Kg		11/04/21 09:21	11/11/21 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*52 - 138*	*11/04/21 09:21*	*11/11/21 14:42*	*1*
Tetrachloro-m-xylene	*58*		*56 - 114*	*11/04/21 09:21*	*11/11/21 14:42*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.23	mg/Kg		11/09/21 08:59	11/10/21 17:40	1
Arsenic	ND		2.6	2.3	mg/Kg		11/09/21 08:59	11/10/21 17:40	1
Barium	**110**		0.52	0.23	mg/Kg		11/09/21 08:59	11/10/21 17:40	1
Beryllium	**0.31**		0.26	0.18	mg/Kg		11/09/21 08:59	11/10/21 17:40	1
Cadmium	**0.63**		0.52	0.21	mg/Kg		11/09/21 08:59	11/10/21 17:40	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S9C-0.5
Date Collected: 10/27/21 11:41
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-27
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	5.2		1.0	0.24	mg/Kg		11/09/21 08:59	11/10/21 17:40	1
Chromium	17		1.0	0.18	mg/Kg		11/09/21 08:59	11/10/21 17:40	1
Copper	29		1.0	0.53	mg/Kg		11/09/21 08:59	11/10/21 17:40	1
Molybdenum	ND		0.52	0.47	mg/Kg		11/09/21 08:59	11/10/21 17:40	1
Nickel	18		0.52	0.44	mg/Kg		11/09/21 08:59	11/10/21 17:40	1
Antimony	ND		3.1	1.4	mg/Kg		11/09/21 08:59	11/10/21 17:40	1
Selenium	ND		5.2	1.9	mg/Kg		11/09/21 08:59	11/10/21 17:40	1
Thallium	ND		5.2	1.5	mg/Kg		11/09/21 08:59	11/10/21 17:40	1
Vanadium	15		1.0	0.18	mg/Kg		11/09/21 08:59	11/10/21 17:40	1
Zinc	120		10	5.3	mg/Kg		11/09/21 08:59	11/10/21 17:40	1
Lead	600		5.2	1.0	mg/Kg		11/09/21 08:59	11/10/21 17:40	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.083	0.014	mg/Kg		11/09/21 08:55	11/09/21 12:42	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S9C-0.5DUP

Lab Sample ID: 320-80943-28

Date Collected: 10/27/21 11:41

Matrix: Solid

Date Received: 10/28/21 12:50

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		250	31	ug/Kg		11/02/21 09:36	11/08/21 13:32	50
Acenaphthylene	ND		250	33	ug/Kg		11/02/21 09:36	11/08/21 13:32	50
Anthracene	ND		250	33	ug/Kg		11/02/21 09:36	11/08/21 13:32	50
Benzo[a]anthracene	ND		250	35	ug/Kg		11/02/21 09:36	11/08/21 13:32	50
Benzo[a]pyrene	**37**	**J**	250	35	ug/Kg		11/02/21 09:36	11/08/21 13:32	50
Benzo[b]fluoranthene	ND		250	38	ug/Kg		11/02/21 09:36	11/08/21 13:32	50
Benzo[g,h,i]perylene	ND		250	36	ug/Kg		11/02/21 09:36	11/08/21 13:32	50
Benzo[k]fluoranthene	ND		250	36	ug/Kg		11/02/21 09:36	11/08/21 13:32	50
Chrysene	**110**	**J**	250	36	ug/Kg		11/02/21 09:36	11/08/21 13:32	50
Dibenz(a,h)anthracene	ND		250	38	ug/Kg		11/02/21 09:36	11/08/21 13:32	50
Fluoranthene	ND		250	40	ug/Kg		11/02/21 09:36	11/08/21 13:32	50
Fluorene	ND		250	32	ug/Kg		11/02/21 09:36	11/08/21 13:32	50
Indeno[1,2,3-cd]pyrene	ND		250	38	ug/Kg		11/02/21 09:36	11/08/21 13:32	50
Naphthalene	ND		250	33	ug/Kg		11/02/21 09:36	11/08/21 13:32	50
Phenanthrene	**54**	**J**	250	36	ug/Kg		11/02/21 09:36	11/08/21 13:32	50
Pyrene	**44**	**J**	250	37	ug/Kg		11/02/21 09:36	11/08/21 13:32	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*83*		*53 - 121*	*11/02/21 09:36*	*11/08/21 13:32*	*50*
Fluoranthene-d10 (Surr)	*112*		*50 - 150*	*11/02/21 09:36*	*11/08/21 13:32*	*50*
2-methylnaphthalene-d10	*90*		*50 - 150*	*11/02/21 09:36*	*11/08/21 13:32*	*50*
2-Fluorobiphenyl (Surr)	*86*		*43 - 109*	*11/02/21 09:36*	*11/08/21 13:32*	*50*
Nitrobenzene-d5 (Surr)	*78*		*49 - 114*	*11/02/21 09:36*	*11/08/21 13:32*	*50*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		130000	32000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Acenaphthylene	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Anthracene	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Benzo[a]anthracene	ND		130000	36000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Benzoic acid	ND		620000	110000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Benzo[b]fluoranthene	ND		130000	37000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Benzo[k]fluoranthene	ND		130000	44000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Benzyl alcohol	ND		130000	66000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Bis(2-chloroethoxy)methane	ND		130000	34000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Bis(2-chloroethyl)ether	ND		130000	31000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
4-Bromophenyl phenyl ether	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Butyl benzyl phthalate	ND		130000	37000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
2,4-Dimethylphenol	ND		130000	65000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Dimethyl phthalate	ND		130000	34000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
2-Methyl-4,6-dinitrophenol	ND		620000	31000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
2,4-Dinitrophenol	ND		620000	83000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
2,4-Dinitrotoluene	ND		130000	35000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
2,6-Dinitrotoluene	ND		130000	38000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Fluoranthene	ND		130000	37000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Fluorene	ND		130000	36000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Hexachlorobenzene	ND		130000	35000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Hexachlorobutadiene	ND		130000	32000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Hexachlorocyclopentadiene	ND		620000	24000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Hexachloroethane	ND		130000	31000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S9C-0.5DUP
Date Collected: 10/27/21 11:41
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-28
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
N-Nitrosodi-n-propylamine	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
1,4-Dichlorobenzene	ND		130000	30000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
2-Chloronaphthalene	ND		130000	31000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
2-Chlorophenol	ND		130000	34000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
4-Chlorophenyl phenyl ether	ND		130000	36000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Chrysene	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Dibenz(a,h)anthracene	ND		130000	40000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Dibenzofuran	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Benzo[g,h,i]perylene	ND		130000	43000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Benzo[a]pyrene	ND		130000	37000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Di-n-butyl phthalate	ND		130000	38000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
1,2-Dichlorobenzene	ND		130000	29000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
1,3-Dichlorobenzene	ND		130000	30000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
3,3'-Dichlorobenzidine	ND		620000	37000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
2,4-Dichlorophenol	ND		130000	35000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Diethyl phthalate	ND		130000	35000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Indeno[1,2,3-cd]pyrene	ND		130000	37000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Isophorone	ND		130000	36000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
2-Methylnaphthalene	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
2-Methylphenol	ND		130000	23000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Naphthalene	ND		130000	32000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
2-Nitroaniline	ND		620000	33000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
3-Nitroaniline	ND		620000	65000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
4-Nitroaniline	ND		620000	34000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Nitrobenzene	ND		130000	30000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
2-Nitrophenol	ND		130000	32000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
4-Nitrophenol	ND		620000	110000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Pyrene	ND		130000	37000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Pyridine	ND		260000	28000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Pentachlorophenol	ND		620000	20000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Phenanthrene	ND		130000	37000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
1,2,4-Trichlorobenzene	ND		130000	32000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
2,4,5-Trichlorophenol	ND		130000	32000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
2,4,6-Trichlorophenol	ND		130000	33000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Phenol	ND		130000	32000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Azobenzene	ND		130000	36000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
4-Chloroaniline	ND		130000	23000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Bis(2-ethylhexyl) phthalate	ND		130000	38000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
Di-n-octyl phthalate	ND		130000	38000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40
4-Chloro-3-methylphenol	ND		130000	36000	ug/Kg		11/02/21 11:59	11/11/21 13:21	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*42*	*S1-*	*53 - 113*	*11/02/21 11:59*	*11/11/21 13:21*	*40*
Nitrobenzene-d5	*55*		*54 - 114*	*11/02/21 11:59*	*11/11/21 13:21*	*40*
Terphenyl-d14	*100*		*66 - 126*	*11/02/21 11:59*	*11/11/21 13:21*	*40*
2,4,6-Tribromophenol	*0*	*S1-*	*60 - 120*	*11/02/21 11:59*	*11/11/21 13:21*	*40*
2-Fluorobiphenyl (Surr)	*69*		*47 - 107*	*11/02/21 11:59*	*11/11/21 13:21*	*40*
Phenol-d5	*50*	*S1-*	*54 - 114*	*11/02/21 11:59*	*11/11/21 13:21*	*40*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S9C-0.5DUP

Date Collected: 10/27/21 11:41
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-28

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.3	1.1	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
4,4'-DDE	ND		8.3	1.0	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
4,4'-DDT	ND		8.3	1.2	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
Aldrin	ND		8.3	0.69	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
alpha-BHC	ND		8.3	0.78	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
cis-Chlordane	ND		8.3	0.88	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
beta-BHC	ND		8.3	1.1	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
Chlordane (technical)	ND		98	46	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
delta-BHC	ND		8.3	1.7	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
Dieldrin	ND		8.3	0.98	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
Endosulfan I	ND		8.3	0.88	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
Endosulfan II	ND		8.3	0.88	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
Endosulfan sulfate	ND		8.3	1.7	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
Endrin	ND		8.3	0.98	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
Endrin aldehyde	ND		8.3	2.8	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
Endrin ketone	ND		8.3	1.3	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
trans-Chlordane	ND		8.3	2.9	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
gamma-BHC (Lindane)	ND		8.3	0.69	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
Heptachlor	ND		8.3	0.74	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
Heptachlor epoxide	ND		8.3	0.88	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
Methoxychlor	ND		17	2.7	ug/Kg		11/04/21 09:18	11/10/21 20:01	5
Toxaphene	ND		330	110	ug/Kg		11/04/21 09:18	11/10/21 20:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*46 - 109*	*11/04/21 09:18*	*11/10/21 20:01*	*5*
DCB Decachlorobiphenyl	*52*		*46 - 109*	*11/04/21 09:18*	*11/10/21 20:01*	*5*
Tetrachloro-m-xylene	*62*		*47 - 107*	*11/04/21 09:18*	*11/10/21 20:01*	*5*
Tetrachloro-m-xylene	*54*		*47 - 107*	*11/04/21 09:18*	*11/10/21 20:01*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/04/21 09:21	11/11/21 15:02	1
PCB-1221	ND		32	3.5	ug/Kg		11/04/21 09:21	11/11/21 15:02	1
PCB-1232	ND		32	4.7	ug/Kg		11/04/21 09:21	11/11/21 15:02	1
PCB-1242	ND		32	5.8	ug/Kg		11/04/21 09:21	11/11/21 15:02	1
PCB-1248	ND		32	2.4	ug/Kg		11/04/21 09:21	11/11/21 15:02	1
PCB-1254	ND		32	3.7	ug/Kg		11/04/21 09:21	11/11/21 15:02	1
PCB-1260	ND		32	2.6	ug/Kg		11/04/21 09:21	11/11/21 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*	*S1-*	*52 - 138*	*11/04/21 09:21*	*11/11/21 15:02*	*1*
Tetrachloro-m-xylene	*55*	*S1-*	*56 - 114*	*11/04/21 09:21*	*11/11/21 15:02*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.23	mg/Kg		11/09/21 08:59	11/10/21 17:49	1
Arsenic	ND		2.5	2.3	mg/Kg		11/09/21 08:59	11/10/21 17:49	1
Barium	**73**		0.50	0.22	mg/Kg		11/09/21 08:59	11/10/21 17:49	1
Beryllium	ND		0.25	0.17	mg/Kg		11/09/21 08:59	11/10/21 17:49	1
Cadmium	**0.50**		0.50	0.20	mg/Kg		11/09/21 08:59	11/10/21 17:49	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S9C-0.5DUP

Lab Sample ID: 320-80943-28

Date Collected: 10/27/21 11:41

Matrix: Solid

Date Received: 10/28/21 12:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**4.3**		1.0	0.23	mg/Kg		11/09/21 08:59	11/10/21 17:49	1
Chromium	**12**		1.0	0.18	mg/Kg		11/09/21 08:59	11/10/21 17:49	1
Copper	**14**		1.0	0.51	mg/Kg		11/09/21 08:59	11/10/21 17:49	1
Molybdenum	ND		0.50	0.45	mg/Kg		11/09/21 08:59	11/10/21 17:49	1
Nickel	**13**		0.50	0.43	mg/Kg		11/09/21 08:59	11/10/21 17:49	1
Antimony	ND		3.0	1.4	mg/Kg		11/09/21 08:59	11/10/21 17:49	1
Selenium	ND		5.0	1.9	mg/Kg		11/09/21 08:59	11/10/21 17:49	1
Thallium	ND		5.0	1.5	mg/Kg		11/09/21 08:59	11/10/21 17:49	1
Vanadium	**11**		1.0	0.17	mg/Kg		11/09/21 08:59	11/10/21 17:49	1
Zinc	**86**		10	5.1	mg/Kg		11/09/21 08:59	11/10/21 17:49	1
Lead	**120**		5.0	0.97	mg/Kg		11/09/21 08:59	11/10/21 17:49	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.15**		0.085	0.014	mg/Kg		11/09/21 08:55	11/09/21 12:44	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S9C-2

Date Collected: 10/27/21 11:44
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-29

Matrix: Solid

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		250	31	ug/Kg		11/02/21 09:36	11/08/21 14:02	50
Acenaphthylene	ND		250	32	ug/Kg		11/02/21 09:36	11/08/21 14:02	50
Anthracene	ND		250	33	ug/Kg		11/02/21 09:36	11/08/21 14:02	50
Benzo[a]anthracene	ND	F2	250	35	ug/Kg		11/02/21 09:36	11/08/21 14:02	50
Benzo[a]pyrene	ND	F2	250	34	ug/Kg		11/02/21 09:36	11/08/21 14:02	50
Benzo[b]fluoranthene	ND	F2	250	38	ug/Kg		11/02/21 09:36	11/08/21 14:02	50
Benzo[g,h,i]perylene	**45**	**J F2 F1**	250	35	ug/Kg		11/02/21 09:36	11/08/21 14:02	50
Benzo[k]fluoranthene	ND		250	35	ug/Kg		11/02/21 09:36	11/08/21 14:02	50
Chrysene	ND	F2	250	35	ug/Kg		11/02/21 09:36	11/08/21 14:02	50
Dibenz(a,h)anthracene	ND		250	38	ug/Kg		11/02/21 09:36	11/08/21 14:02	50
Fluoranthene	ND		250	40	ug/Kg		11/02/21 09:36	11/08/21 14:02	50
Fluorene	ND		250	31	ug/Kg		11/02/21 09:36	11/08/21 14:02	50
Indeno[1,2,3-cd]pyrene	ND	F2	250	38	ug/Kg		11/02/21 09:36	11/08/21 14:02	50
Naphthalene	ND		250	33	ug/Kg		11/02/21 09:36	11/08/21 14:02	50
Phenanthrene	ND		250	35	ug/Kg		11/02/21 09:36	11/08/21 14:02	50
Pyrene	ND	F2	250	37	ug/Kg		11/02/21 09:36	11/08/21 14:02	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*0*	*S1-*	*53 - 121*	*11/02/21 09:36*	*11/08/21 14:02*	*50*
Fluoranthene-d10 (Surr)	*84*		*50 - 150*	*11/02/21 09:36*	*11/08/21 14:02*	*50*
2-methylnaphthalene-d10	*82*		*50 - 150*	*11/02/21 09:36*	*11/08/21 14:02*	*50*
2-Fluorobiphenyl (Surr)	*71*		*43 - 109*	*11/02/21 09:36*	*11/08/21 14:02*	*50*
Nitrobenzene-d5 (Surr)	*66*		*49 - 114*	*11/02/21 09:36*	*11/08/21 14:02*	*50*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		320000	81000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Acenaphthylene	ND		320000	83000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Anthracene	ND		320000	84000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Benzo[a]anthracene	ND		320000	90000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Benzoic acid	ND		1600000	280000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Benzo[b]fluoranthene	ND		320000	93000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Benzo[k]fluoranthene	ND		320000	110000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Benzyl alcohol	ND		320000	170000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Bis(2-chloroethoxy)methane	ND		320000	86000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Bis(2-chloroethyl)ether	ND		320000	79000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
4-Bromophenyl phenyl ether	ND		320000	83000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Butyl benzyl phthalate	ND		320000	93000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
2,4-Dimethylphenol	ND		320000	160000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Dimethyl phthalate	ND		320000	85000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
2-Methyl-4,6-dinitrophenol	ND		1600000	79000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
2,4-Dinitrophenol	ND		1600000	210000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
2,4-Dinitrotoluene	ND		320000	87000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
2,6-Dinitrotoluene	ND		320000	97000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Fluoranthene	ND		320000	93000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Fluorene	ND		320000	90000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Hexachlorobenzene	ND		320000	87000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Hexachlorobutadiene	ND		320000	80000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Hexachlorocyclopentadiene	ND		1600000	61000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Hexachloroethane	ND		320000	79000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S9C-2
Date Collected: 10/27/21 11:44
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-29
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		320000	84000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
N-Nitrosodi-n-propylamine	ND		320000	82000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
1,4-Dichlorobenzene	ND		320000	75000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
2-Chloronaphthalene	ND		320000	79000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
2-Chlorophenol	ND		320000	86000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
4-Chlorophenyl phenyl ether	ND		320000	91000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Chrysene	ND		320000	82000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Dibenz(a,h)anthracene	ND		320000	100000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Dibenzofuran	ND		320000	84000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Benzo[g,h,i]perylene	ND		320000	110000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Benzo[a]pyrene	ND		320000	92000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Di-n-butyl phthalate	ND		320000	95000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
1,2-Dichlorobenzene	ND		320000	73000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
1,3-Dichlorobenzene	ND		320000	76000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
3,3'-Dichlorobenzidine	ND		1600000	92000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
2,4-Dichlorophenol	ND		320000	87000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Diethyl phthalate	ND		320000	88000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Indeno[1,2,3-cd]pyrene	ND		320000	94000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Isophorone	ND		320000	91000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
2-Methylnaphthalene	ND		320000	83000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
2-Methylphenol	ND		320000	57000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Naphthalene	ND		320000	80000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
2-Nitroaniline	ND		1600000	82000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
3-Nitroaniline	ND		1600000	160000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
4-Nitroaniline	ND		1600000	86000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Nitrobenzene	ND		320000	74000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
2-Nitrophenol	ND		320000	80000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
4-Nitrophenol	ND		1600000	270000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Pyrene	ND		320000	92000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Pyridine	ND		640000	70000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Pentachlorophenol	ND		1600000	50000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Phenanthrene	ND		320000	92000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
1,2,4-Trichlorobenzene	ND		320000	81000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
2,4,5-Trichlorophenol	ND		320000	81000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
2,4,6-Trichlorophenol	ND		320000	82000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Phenol	ND		320000	81000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Azobenzene	ND		320000	90000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
4-Chloroaniline	ND		320000	57000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Bis(2-ethylhexyl) phthalate	ND		320000	96000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
Di-n-octyl phthalate	ND		320000	95000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100
4-Chloro-3-methylphenol	ND		320000	90000	ug/Kg		11/02/21 11:59	11/11/21 13:46	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*50*	*S1-*	*53 - 113*	*11/02/21 11:59*	*11/11/21 13:46*	*100*
Nitrobenzene-d5	*29*	*S1-*	*54 - 114*	*11/02/21 11:59*	*11/11/21 13:46*	*100*
Terphenyl-d14	*131*	*S1+*	*66 - 126*	*11/02/21 11:59*	*11/11/21 13:46*	*100*
2,4,6-Tribromophenol	*0*	*S1-*	*60 - 120*	*11/02/21 11:59*	*11/11/21 13:46*	*100*
2-Fluorobiphenyl (Surr)	*114*	*S1+*	*47 - 107*	*11/02/21 11:59*	*11/11/21 13:46*	*100*
Phenol-d5	*100*		*54 - 114*	*11/02/21 11:59*	*11/11/21 13:46*	*100*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S9C-2

Date Collected: 10/27/21 11:44
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-29

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
Aldrin	ND		16	1.3	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
alpha-BHC	ND		16	1.5	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
beta-BHC	ND		16	2.1	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
Chlordane (technical)	ND		190	90	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
delta-BHC	ND		16	3.4	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
Dieldrin	ND		16	1.9	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
Endosulfan I	ND		16	1.7	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
Endosulfan II	ND		16	1.7	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
Endosulfan sulfate	ND		16	3.4	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
Endrin	ND		16	1.9	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
Endrin aldehyde	ND		16	5.5	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
Endrin ketone	ND		16	2.6	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
trans-Chlordane	ND		16	5.8	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
gamma-BHC (Lindane)	ND		16	1.3	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
Heptachlor	ND		16	1.4	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
Methoxychlor	ND		33	5.4	ug/Kg		11/04/21 09:18	11/10/21 20:20	10
Toxaphene	ND		640	220	ug/Kg		11/04/21 09:18	11/10/21 20:20	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*46 - 109*	*11/04/21 09:18*	*11/10/21 20:20*	*10*
DCB Decachlorobiphenyl	*92*		*46 - 109*	*11/04/21 09:18*	*11/10/21 20:20*	*10*
Tetrachloro-m-xylene	*94*		*47 - 107*	*11/04/21 09:18*	*11/10/21 20:20*	*10*
Tetrachloro-m-xylene	*80*		*47 - 107*	*11/04/21 09:18*	*11/10/21 20:20*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.98	0.22	mg/Kg		11/09/21 08:59	11/10/21 17:51	1
Arsenic	ND		2.4	2.2	mg/Kg		11/09/21 08:59	11/10/21 17:51	1
Barium	**110**		0.49	0.22	mg/Kg		11/09/21 08:59	11/10/21 17:51	1
Beryllium	**0.21**	**J**	0.24	0.17	mg/Kg		11/09/21 08:59	11/10/21 17:51	1
Cadmium	**0.49**		0.49	0.20	mg/Kg		11/09/21 08:59	11/10/21 17:51	1
Cobalt	**4.0**		0.98	0.22	mg/Kg		11/09/21 08:59	11/10/21 17:51	1
Chromium	**22**		0.98	0.17	mg/Kg		11/09/21 08:59	11/10/21 17:51	1
Copper	**14**		0.98	0.49	mg/Kg		11/09/21 08:59	11/10/21 17:51	1
Molybdenum	ND		0.49	0.44	mg/Kg		11/09/21 08:59	11/10/21 17:51	1
Nickel	**19**		0.49	0.42	mg/Kg		11/09/21 08:59	11/10/21 17:51	1
Antimony	ND		2.9	1.3	mg/Kg		11/09/21 08:59	11/10/21 17:51	1
Selenium	ND		4.9	1.8	mg/Kg		11/09/21 08:59	11/10/21 17:51	1
Thallium	ND		4.9	1.4	mg/Kg		11/09/21 08:59	11/10/21 17:51	1
Vanadium	**14**		0.98	0.17	mg/Kg		11/09/21 08:59	11/10/21 17:51	1
Zinc	**84**		9.8	5.0	mg/Kg		11/09/21 08:59	11/10/21 17:51	1
Lead	**99**		4.9	0.94	mg/Kg		11/09/21 08:59	11/10/21 17:51	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S9C-2

Lab Sample ID: 320-80943-29

Date Collected: 10/27/21 11:44

Matrix: Solid

Date Received: 10/28/21 12:50

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.079	0.013	mg/Kg		11/09/21 08:55	11/09/21 12:46	1

Client Sample ID: AOC3-S8D-0.5

Date Collected: 10/27/21 11:45
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-30

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.4	1.1	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
4,4'-DDE	ND		8.4	1.0	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
4,4'-DDT	ND		8.4	1.2	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
Aldrin	ND		8.4	0.69	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
alpha-BHC	ND		8.4	0.79	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
cis-Chlordane	ND		8.4	0.89	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
beta-BHC	ND		8.4	1.1	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
Chlordane (technical)	ND		99	46	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
delta-BHC	ND		8.4	1.7	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
Dieldrin	ND		8.4	0.99	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
Endosulfan I	ND		8.4	0.89	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
Endosulfan II	ND		8.4	0.89	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
Endosulfan sulfate	ND		8.4	1.7	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
Endrin	ND		8.4	0.99	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
Endrin aldehyde	ND		8.4	2.8	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
Endrin ketone	ND		8.4	1.3	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
trans-Chlordane	ND		8.4	3.0	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
gamma-BHC (Lindane)	ND		8.4	0.69	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
Heptachlor	ND		8.4	0.74	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
Heptachlor epoxide	ND		8.4	0.89	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
Methoxychlor	ND		17	2.8	ug/Kg		11/04/21 09:18	11/10/21 20:39	5
Toxaphene	ND		330	110	ug/Kg		11/04/21 09:18	11/10/21 20:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*46 - 109*	*11/04/21 09:18*	*11/10/21 20:39*	*5*
DCB Decachlorobiphenyl	*54*		*46 - 109*	*11/04/21 09:18*	*11/10/21 20:39*	*5*
Tetrachloro-m-xylene	*78*		*47 - 107*	*11/04/21 09:18*	*11/10/21 20:39*	*5*
Tetrachloro-m-xylene	*69*		*47 - 107*	*11/04/21 09:18*	*11/10/21 20:39*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/04/21 09:21	11/11/21 15:23	1
PCB-1221	ND		33	3.6	ug/Kg		11/04/21 09:21	11/11/21 15:23	1
PCB-1232	ND		33	4.7	ug/Kg		11/04/21 09:21	11/11/21 15:23	1
PCB-1242	ND		33	5.8	ug/Kg		11/04/21 09:21	11/11/21 15:23	1
PCB-1248	ND		33	2.4	ug/Kg		11/04/21 09:21	11/11/21 15:23	1
PCB-1254	ND		33	3.8	ug/Kg		11/04/21 09:21	11/11/21 15:23	1
PCB-1260	**5.0**	**J P**	33	2.7	ug/Kg		11/04/21 09:21	11/11/21 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*52 - 138*	*11/04/21 09:21*	*11/11/21 15:23*	*1*
Tetrachloro-m-xylene	*63*		*56 - 114*	*11/04/21 09:21*	*11/11/21 15:23*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**110**		1.0	0.26	mg/Kg		11/01/21 13:39	11/02/21 16:59	1
Arsenic	**9.2**		2.0	1.3	mg/Kg		11/01/21 13:39	11/02/21 16:59	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S8D-2
Date Collected: 10/27/21 11:50
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-31
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
Aldrin	ND		1.7	0.14	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
Chlordane (technical)	ND		20	9.3	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
Endrin	ND		1.7	0.20	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/04/21 09:18	11/10/21 20:58	1
Toxaphene	ND		67	22	ug/Kg		11/04/21 09:18	11/10/21 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*46 - 109*	*11/04/21 09:18*	*11/10/21 20:58*	*1*
DCB Decachlorobiphenyl	*52*		*46 - 109*	*11/04/21 09:18*	*11/10/21 20:58*	*1*
Tetrachloro-m-xylene	*73*		*47 - 107*	*11/04/21 09:18*	*11/10/21 20:58*	*1*
Tetrachloro-m-xylene	*72*		*47 - 107*	*11/04/21 09:18*	*11/10/21 20:58*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC8-S8C-0.5

Date Collected: 10/27/21 11:55
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-32

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
Aldrin	ND		16	1.4	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
alpha-BHC	ND		16	1.5	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
beta-BHC	ND		16	2.1	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
Chlordane (technical)	ND		190	91	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
delta-BHC	ND		16	3.4	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
Dieldrin	ND		16	1.9	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
Endosulfan I	ND		16	1.7	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
Endosulfan II	ND		16	1.7	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
Endosulfan sulfate	ND		16	3.4	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
Endrin	ND		16	1.9	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
Endrin aldehyde	ND		16	5.5	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
Endrin ketone	ND		16	2.6	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
trans-Chlordane	ND		16	5.8	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
gamma-BHC (Lindane)	ND		16	1.4	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
Heptachlor	ND		16	1.5	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
Methoxychlor	ND		33	5.4	ug/Kg		11/04/21 09:18	11/10/21 21:17	10
Toxaphene	ND		650	220	ug/Kg		11/04/21 09:18	11/10/21 21:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*46 - 109*	*11/04/21 09:18*	*11/10/21 21:17*	*10*
DCB Decachlorobiphenyl	*59*		*46 - 109*	*11/04/21 09:18*	*11/10/21 21:17*	*10*
Tetrachloro-m-xylene	*91*		*47 - 107*	*11/04/21 09:18*	*11/10/21 21:17*	*10*
Tetrachloro-m-xylene	*76*		*47 - 107*	*11/04/21 09:18*	*11/10/21 21:17*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/04/21 09:21	11/11/21 15:44	1
PCB-1221	ND		32	3.5	ug/Kg		11/04/21 09:21	11/11/21 15:44	1
PCB-1232	ND		32	4.6	ug/Kg		11/04/21 09:21	11/11/21 15:44	1
PCB-1242	ND		32	5.7	ug/Kg		11/04/21 09:21	11/11/21 15:44	1
PCB-1248	ND		32	2.4	ug/Kg		11/04/21 09:21	11/11/21 15:44	1
PCB-1254	ND		32	3.7	ug/Kg		11/04/21 09:21	11/11/21 15:44	1
PCB-1260	ND		32	2.6	ug/Kg		11/04/21 09:21	11/11/21 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*52 - 138*	*11/04/21 09:21*	*11/11/21 15:44*	*1*
Tetrachloro-m-xylene	*65*		*56 - 114*	*11/04/21 09:21*	*11/11/21 15:44*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**180**		1.0	0.26	mg/Kg		11/01/21 13:39	11/02/21 17:02	1
Arsenic	**5.4**		2.0	1.3	mg/Kg		11/01/21 13:39	11/02/21 17:02	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC8-S8C-2
Date Collected: 10/27/21 12:00
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-33
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
Aldrin	ND		1.6	0.14	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
alpha-BHC	ND		1.6	0.16	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
Chlordane (technical)	ND		19	9.1	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
delta-BHC	ND		1.6	0.34	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
Endosulfan sulfate	ND		1.6	0.34	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
Endrin	ND		1.6	0.19	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
Endrin aldehyde	ND		1.6	0.55	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
trans-Chlordane	ND		1.6	0.58	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
gamma-BHC (Lindane)	ND		1.6	0.14	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
Heptachlor	ND		1.6	0.15	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
Methoxychlor	ND		3.3	0.54	ug/Kg		11/04/21 09:18	11/10/21 21:35	1
Toxaphene	ND		65	22	ug/Kg		11/04/21 09:18	11/10/21 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*46 - 109*	*11/04/21 09:18*	*11/10/21 21:35*	*1*
DCB Decachlorobiphenyl	*49*		*46 - 109*	*11/04/21 09:18*	*11/10/21 21:35*	*1*
Tetrachloro-m-xylene	*69*		*47 - 107*	*11/04/21 09:18*	*11/10/21 21:35*	*1*
Tetrachloro-m-xylene	*68*		*47 - 107*	*11/04/21 09:18*	*11/10/21 21:35*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S7C-0.5

Date Collected: 10/27/21 11:59
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-34

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.5	1.1	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
4,4'-DDE	ND		8.5	1.0	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
4,4'-DDT	ND		8.5	1.2	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
Aldrin	ND		8.5	0.70	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
alpha-BHC	ND		8.5	0.80	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
cis-Chlordane	ND		8.5	0.90	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
beta-BHC	ND		8.5	1.1	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
Chlordane (technical)	ND		100	47	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
delta-BHC	ND		8.5	1.7	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
Dieldrin	ND		8.5	1.0	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
Endosulfan I	ND		8.5	0.90	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
Endosulfan II	ND		8.5	0.90	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
Endosulfan sulfate	ND		8.5	1.7	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
Endrin	ND		8.5	1.0	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
Endrin aldehyde	ND		8.5	2.8	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
Endrin ketone	ND		8.5	1.3	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
trans-Chlordane	ND		8.5	3.0	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
gamma-BHC (Lindane)	ND		8.5	0.70	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
Heptachlor	ND		8.5	0.75	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
Heptachlor epoxide	ND		8.5	0.90	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
Methoxychlor	ND		17	2.8	ug/Kg		11/04/21 09:18	11/10/21 21:54	5
Toxaphene	ND		330	110	ug/Kg		11/04/21 09:18	11/10/21 21:54	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*46 - 109*	*11/04/21 09:18*	*11/10/21 21:54*	*5*
DCB Decachlorobiphenyl	*55*		*46 - 109*	*11/04/21 09:18*	*11/10/21 21:54*	*5*
Tetrachloro-m-xylene	*78*		*47 - 107*	*11/04/21 09:18*	*11/10/21 21:54*	*5*
Tetrachloro-m-xylene	*68*		*47 - 107*	*11/04/21 09:18*	*11/10/21 21:54*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/04/21 09:21	11/11/21 16:04	1
PCB-1221	ND		33	3.6	ug/Kg		11/04/21 09:21	11/11/21 16:04	1
PCB-1232	ND		33	4.8	ug/Kg		11/04/21 09:21	11/11/21 16:04	1
PCB-1242	ND		33	5.9	ug/Kg		11/04/21 09:21	11/11/21 16:04	1
PCB-1248	ND		33	2.4	ug/Kg		11/04/21 09:21	11/11/21 16:04	1
PCB-1254	ND		33	3.8	ug/Kg		11/04/21 09:21	11/11/21 16:04	1
PCB-1260	ND		33	2.7	ug/Kg		11/04/21 09:21	11/11/21 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*52 - 138*	*11/04/21 09:21*	*11/11/21 16:04*	*1*
Tetrachloro-m-xylene	*59*		*56 - 114*	*11/04/21 09:21*	*11/11/21 16:04*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**200**		0.99	0.26	mg/Kg		11/01/21 13:39	11/02/21 17:06	1
Arsenic	**3.6**		2.0	1.3	mg/Kg		11/01/21 13:39	11/02/21 17:06	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S7C-2
Date Collected: 10/27/21 12:01
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-35
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
Aldrin	ND		1.7	0.14	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
Chlordane (technical)	ND		20	9.3	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
Endrin	ND		1.7	0.20	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/04/21 09:18	11/10/21 22:13	1
Toxaphene	ND		67	22	ug/Kg		11/04/21 09:18	11/10/21 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*		*46 - 109*	*11/04/21 09:18*	*11/10/21 22:13*	*1*
DCB Decachlorobiphenyl	*49*		*46 - 109*	*11/04/21 09:18*	*11/10/21 22:13*	*1*
Tetrachloro-m-xylene	*69*		*47 - 107*	*11/04/21 09:18*	*11/10/21 22:13*	*1*
Tetrachloro-m-xylene	*68*		*47 - 107*	*11/04/21 09:18*	*11/10/21 22:13*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S6C-0.5

Date Collected: 10/27/21 12:05
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-36

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
Aldrin	ND		16	1.3	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
alpha-BHC	ND		16	1.5	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
beta-BHC	ND		16	2.1	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
Chlordane (technical)	ND		190	90	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
delta-BHC	ND		16	3.4	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
Dieldrin	ND		16	1.9	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
Endosulfan I	ND		16	1.7	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
Endosulfan II	ND		16	1.7	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
Endosulfan sulfate	ND		16	3.4	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
Endrin	ND		16	1.9	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
Endrin aldehyde	ND		16	5.5	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
Endrin ketone	ND		16	2.6	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
trans-Chlordane	ND		16	5.8	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
gamma-BHC (Lindane)	ND		16	1.3	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
Heptachlor	ND		16	1.4	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
Methoxychlor	ND		33	5.4	ug/Kg		11/04/21 09:18	11/10/21 22:32	10
Toxaphene	ND		640	220	ug/Kg		11/04/21 09:18	11/10/21 22:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*46 - 109*	*11/04/21 09:18*	*11/10/21 22:32*	*10*
DCB Decachlorobiphenyl	*51*		*46 - 109*	*11/04/21 09:18*	*11/10/21 22:32*	*10*
Tetrachloro-m-xylene	*82*		*47 - 107*	*11/04/21 09:18*	*11/10/21 22:32*	*10*
Tetrachloro-m-xylene	*70*		*47 - 107*	*11/04/21 09:18*	*11/10/21 22:32*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/04/21 09:21	11/11/21 16:25	1
PCB-1221	ND		32	3.5	ug/Kg		11/04/21 09:21	11/11/21 16:25	1
PCB-1232	ND		32	4.6	ug/Kg		11/04/21 09:21	11/11/21 16:25	1
PCB-1242	ND		32	5.7	ug/Kg		11/04/21 09:21	11/11/21 16:25	1
PCB-1248	ND		32	2.3	ug/Kg		11/04/21 09:21	11/11/21 16:25	1
PCB-1254	ND		32	3.7	ug/Kg		11/04/21 09:21	11/11/21 16:25	1
PCB-1260	ND		32	2.6	ug/Kg		11/04/21 09:21	11/11/21 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*52 - 138*	*11/04/21 09:21*	*11/11/21 16:25*	*1*
Tetrachloro-m-xylene	*59*		*56 - 114*	*11/04/21 09:21*	*11/11/21 16:25*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**150**		0.96	0.25	mg/Kg		11/01/21 13:39	11/02/21 17:10	1
Arsenic	**6.2**		1.9	1.3	mg/Kg		11/01/21 13:39	11/02/21 17:10	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S6C-2
Date Collected: 10/27/21 12:07
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-37
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
4,4'-DDT	ND		1.7	0.24	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
Aldrin	ND		1.7	0.14	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
Chlordane (technical)	ND		20	9.2	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
delta-BHC	ND		1.7	0.34	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
Endosulfan sulfate	ND		1.7	0.34	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
Endrin	ND		1.7	0.20	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
Endrin ketone	ND		1.7	0.26	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
trans-Chlordane	ND		1.7	0.59	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
Methoxychlor	ND		3.3	0.55	ug/Kg		11/04/21 09:18	11/10/21 22:51	1
Toxaphene	ND		66	22	ug/Kg		11/04/21 09:18	11/10/21 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*46 - 109*	*11/04/21 09:18*	*11/10/21 22:51*	*1*
DCB Decachlorobiphenyl	*42*	*S1-*	*46 - 109*	*11/04/21 09:18*	*11/10/21 22:51*	*1*
Tetrachloro-m-xylene	*60*		*47 - 107*	*11/04/21 09:18*	*11/10/21 22:51*	*1*
Tetrachloro-m-xylene	*60*		*47 - 107*	*11/04/21 09:18*	*11/10/21 22:51*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S7D-0.5

Date Collected: 10/27/21 12:25
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-38

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.1	1.1	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
4,4'-DDE	ND		8.1	1.0	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
4,4'-DDT	ND		8.1	1.2	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
Aldrin	ND		8.1	0.67	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
alpha-BHC	ND		8.1	0.77	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
cis-Chlordane	ND		8.1	0.86	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
beta-BHC	ND		8.1	1.1	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
Chlordane (technical)	ND		96	45	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
delta-BHC	ND		8.1	1.7	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
Dieldrin	ND		8.1	0.96	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
Endosulfan I	ND		8.1	0.86	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
Endosulfan II	ND		8.1	0.86	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
Endosulfan sulfate	ND		8.1	1.7	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
Endrin	ND		8.1	0.96	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
Endrin aldehyde	ND		8.1	2.7	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
Endrin ketone	ND		8.1	1.3	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
trans-Chlordane	ND		8.1	2.9	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
gamma-BHC (Lindane)	ND		8.1	0.67	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
Heptachlor	ND		8.1	0.72	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
Heptachlor epoxide	ND		8.1	0.86	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
Methoxychlor	ND		16	2.7	ug/Kg		11/04/21 09:18	11/10/21 23:10	5
Toxaphene	ND		320	110	ug/Kg		11/04/21 09:18	11/10/21 23:10	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*46 - 109*	*11/04/21 09:18*	*11/10/21 23:10*	*5*
DCB Decachlorobiphenyl	*59*		*46 - 109*	*11/04/21 09:18*	*11/10/21 23:10*	*5*
Tetrachloro-m-xylene	*99*		*47 - 107*	*11/04/21 09:18*	*11/10/21 23:10*	*5*
Tetrachloro-m-xylene	*89*		*47 - 107*	*11/04/21 09:18*	*11/10/21 23:10*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.4	ug/Kg		11/04/21 09:21	11/11/21 16:45	1
PCB-1221	ND		32	3.5	ug/Kg		11/04/21 09:21	11/11/21 16:45	1
PCB-1232	ND		32	4.6	ug/Kg		11/04/21 09:21	11/11/21 16:45	1
PCB-1242	ND		32	5.7	ug/Kg		11/04/21 09:21	11/11/21 16:45	1
PCB-1248	ND		32	2.3	ug/Kg		11/04/21 09:21	11/11/21 16:45	1
PCB-1254	ND		32	3.7	ug/Kg		11/04/21 09:21	11/11/21 16:45	1
PCB-1260	ND		32	2.6	ug/Kg		11/04/21 09:21	11/11/21 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*52 - 138*	*11/04/21 09:21*	*11/11/21 16:45*	*1*
Tetrachloro-m-xylene	*59*		*56 - 114*	*11/04/21 09:21*	*11/11/21 16:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.23	mg/Kg		11/09/21 08:59	11/10/21 18:25	1
Arsenic	ND		2.5	2.3	mg/Kg		11/09/21 08:59	11/10/21 18:25	1
Barium	**140**		0.50	0.22	mg/Kg		11/09/21 08:59	11/10/21 18:25	1
Beryllium	**0.24**	**J**	0.25	0.17	mg/Kg		11/09/21 08:59	11/10/21 18:25	1
Cadmium	**0.58**		0.50	0.20	mg/Kg		11/09/21 08:59	11/10/21 18:25	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S7D-0.5
Date Collected: 10/27/21 12:25
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-38
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	5.5		1.0	0.23	mg/Kg		11/09/21 08:59	11/10/21 18:25	1
Chromium	12		1.0	0.18	mg/Kg		11/09/21 08:59	11/10/21 18:25	1
Copper	15		1.0	0.51	mg/Kg		11/09/21 08:59	11/10/21 18:25	1
Molybdenum	ND		0.50	0.45	mg/Kg		11/09/21 08:59	11/10/21 18:25	1
Nickel	15		0.50	0.43	mg/Kg		11/09/21 08:59	11/10/21 18:25	1
Antimony	ND		3.0	1.4	mg/Kg		11/09/21 08:59	11/10/21 18:25	1
Selenium	ND		5.0	1.9	mg/Kg		11/09/21 08:59	11/10/21 18:25	1
Thallium	ND		5.0	1.5	mg/Kg		11/09/21 08:59	11/10/21 18:25	1
Vanadium	14		1.0	0.17	mg/Kg		11/09/21 08:59	11/10/21 18:25	1
Zinc	58		10	5.1	mg/Kg		11/09/21 08:59	11/10/21 18:25	1
Lead	55		5.0	0.97	mg/Kg		11/09/21 08:59	11/10/21 18:25	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.086	0.014	mg/Kg		11/09/21 08:55	11/09/21 12:48	1

Client Sample ID: AOC3-S7D-2

Date Collected: 10/27/21 12:30
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-39

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
Aldrin	ND		1.6	0.13	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
Chlordane (technical)	ND		19	8.9	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
delta-BHC	ND		1.6	0.33	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
Endosulfan sulfate	ND		1.6	0.33	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
Endrin	ND		1.6	0.19	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
Endrin aldehyde	ND		1.6	0.54	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
trans-Chlordane	ND		1.6	0.57	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
Methoxychlor	ND		3.2	0.53	ug/Kg		11/04/21 09:18	11/12/21 21:13	1
Toxaphene	ND		64	21	ug/Kg		11/04/21 09:18	11/12/21 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*47*		*46 - 109*	*11/04/21 09:18*	*11/12/21 21:13*	*1*
DCB Decachlorobiphenyl	*53*		*46 - 109*	*11/04/21 09:18*	*11/12/21 21:13*	*1*
Tetrachloro-m-xylene	*66*		*47 - 107*	*11/04/21 09:18*	*11/12/21 21:13*	*1*
Tetrachloro-m-xylene	*66*		*47 - 107*	*11/04/21 09:18*	*11/12/21 21:13*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.23	mg/Kg		11/09/21 08:59	11/10/21 18:27	1
Arsenic	ND		2.6	2.3	mg/Kg		11/09/21 08:59	11/10/21 18:27	1
Barium	**49**		0.52	0.23	mg/Kg		11/09/21 08:59	11/10/21 18:27	1
Beryllium	**0.18**	**J**	0.26	0.18	mg/Kg		11/09/21 08:59	11/10/21 18:27	1
Cadmium	**0.26**	**J**	0.52	0.21	mg/Kg		11/09/21 08:59	11/10/21 18:27	1
Cobalt	**3.9**		1.0	0.23	mg/Kg		11/09/21 08:59	11/10/21 18:27	1
Chromium	**20**		1.0	0.18	mg/Kg		11/09/21 08:59	11/10/21 18:27	1
Copper	**4.2**		1.0	0.52	mg/Kg		11/09/21 08:59	11/10/21 18:27	1
Molybdenum	ND		0.52	0.46	mg/Kg		11/09/21 08:59	11/10/21 18:27	1
Nickel	**14**		0.52	0.44	mg/Kg		11/09/21 08:59	11/10/21 18:27	1
Antimony	ND		3.1	1.4	mg/Kg		11/09/21 08:59	11/10/21 18:27	1
Selenium	ND		5.2	1.9	mg/Kg		11/09/21 08:59	11/10/21 18:27	1
Thallium	ND		5.2	1.5	mg/Kg		11/09/21 08:59	11/10/21 18:27	1
Vanadium	**14**		1.0	0.18	mg/Kg		11/09/21 08:59	11/10/21 18:27	1
Zinc	**14**		10	5.3	mg/Kg		11/09/21 08:59	11/10/21 18:27	1
Lead	**3.0**	**J**	5.2	1.0	mg/Kg		11/09/21 08:59	11/10/21 18:27	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S7D-2

Date Collected: 10/27/21 12:30
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-39

Matrix: Solid

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.093		0.082	0.013	mg/Kg		11/09/21 08:55	11/09/21 12:50	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S5C-0.5

Date Collected: 10/27/21 12:30
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-40

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
Aldrin	ND		16	1.3	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
alpha-BHC	ND		16	1.5	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
beta-BHC	ND		16	2.1	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
Chlordane (technical)	ND		190	90	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
delta-BHC	ND		16	3.3	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
Dieldrin	ND		16	1.9	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
Endosulfan I	ND		16	1.7	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
Endosulfan II	ND		16	1.7	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
Endosulfan sulfate	ND		16	3.3	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
Endrin	ND		16	1.9	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
Endrin aldehyde	ND		16	5.5	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
Endrin ketone	ND		16	2.6	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
trans-Chlordane	ND		16	5.7	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
gamma-BHC (Lindane)	ND		16	1.3	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
Heptachlor	ND		16	1.4	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
Methoxychlor	ND		33	5.4	ug/Kg		11/04/21 09:18	11/12/21 21:32	10
Toxaphene	ND		640	210	ug/Kg		11/04/21 09:18	11/12/21 21:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*103*		*46 - 109*	*11/04/21 09:18*	*11/12/21 21:32*	*10*
DCB Decachlorobiphenyl	*42*	*S1-*	*46 - 109*	*11/04/21 09:18*	*11/12/21 21:32*	*10*
Tetrachloro-m-xylene	*85*		*47 - 107*	*11/04/21 09:18*	*11/12/21 21:32*	*10*
Tetrachloro-m-xylene	*71*		*47 - 107*	*11/04/21 09:18*	*11/12/21 21:32*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	F1 F2	32	2.4	ug/Kg		11/04/21 09:21	11/11/21 17:06	1
PCB-1221	ND		32	3.5	ug/Kg		11/04/21 09:21	11/11/21 17:06	1
PCB-1232	ND		32	4.6	ug/Kg		11/04/21 09:21	11/11/21 17:06	1
PCB-1242	ND		32	5.6	ug/Kg		11/04/21 09:21	11/11/21 17:06	1
PCB-1248	ND		32	2.3	ug/Kg		11/04/21 09:21	11/11/21 17:06	1
PCB-1254	ND		32	3.6	ug/Kg		11/04/21 09:21	11/11/21 17:06	1
PCB-1260	ND	F1 F2	32	2.6	ug/Kg		11/04/21 09:21	11/11/21 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*49*	*S1-*	*52 - 138*	*11/04/21 09:21*	*11/11/21 17:06*	*1*
Tetrachloro-m-xylene	*52*	*S1-*	*56 - 114*	*11/04/21 09:21*	*11/11/21 17:06*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**140**		0.95	0.25	mg/Kg		11/01/21 13:39	11/02/21 17:14	1
Arsenic	**7.6**		1.9	1.2	mg/Kg		11/01/21 13:39	11/02/21 17:14	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S5C-2
Date Collected: 10/27/21 12:35
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-41
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
4,4'-DDE	ND	F1	1.6	0.20	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
Aldrin	ND		1.6	0.13	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
Chlordane (technical)	ND		19	9.0	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
delta-BHC	ND		1.6	0.34	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
Dieldrin	ND	F1	1.6	0.19	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
Endosulfan sulfate	ND		1.6	0.34	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
Endrin	ND	F1	1.6	0.19	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
Endrin aldehyde	ND		1.6	0.55	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
Endrin ketone	ND	F1	1.6	0.26	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
trans-Chlordane	ND	F1	1.6	0.58	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
Methoxychlor	ND		3.3	0.54	ug/Kg		11/04/21 09:18	11/12/21 21:51	1
Toxaphene	ND		64	22	ug/Kg		11/04/21 09:18	11/12/21 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*42*	*S1-*	*46 - 109*	*11/04/21 09:18*	*11/12/21 21:51*	*1*
DCB Decachlorobiphenyl	*47*		*46 - 109*	*11/04/21 09:18*	*11/12/21 21:51*	*1*
Tetrachloro-m-xylene	*60*		*47 - 107*	*11/04/21 09:18*	*11/12/21 21:51*	*1*
Tetrachloro-m-xylene	*58*		*47 - 107*	*11/04/21 09:18*	*11/12/21 21:51*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S4C-0.5

Date Collected: 10/27/21 12:35
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-42

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND	F2	17	2.2	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
4,4'-DDE	ND		17	2.0	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
4,4'-DDT	ND		17	2.4	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
Aldrin	ND		17	1.4	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
alpha-BHC	ND		17	1.6	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
cis-Chlordane	ND		17	1.7	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
beta-BHC	ND		17	2.1	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
Chlordane (technical)	ND		190	91	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
delta-BHC	ND		17	3.4	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
Dieldrin	ND		17	1.9	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
Endosulfan I	ND		17	1.7	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
Endosulfan II	ND		17	1.7	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
Endosulfan sulfate	ND	F1	17	3.4	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
Endrin	ND		17	1.9	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
Endrin aldehyde	ND		17	5.5	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
Endrin ketone	ND	F1	17	2.6	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
trans-Chlordane	ND	F2	17	5.8	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
gamma-BHC (Lindane)	ND		17	1.4	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
Heptachlor	ND		17	1.5	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
Heptachlor epoxide	ND		17	1.7	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
Methoxychlor	ND	F2	33	5.4	ug/Kg		11/06/21 10:08	11/21/21 18:04	10
Toxaphene	ND		650	220	ug/Kg		11/06/21 10:08	11/21/21 18:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*110*	*S1+*	*46 - 109*	*11/06/21 10:08*	*11/21/21 18:04*	*10*
DCB Decachlorobiphenyl	*37*	*S1-*	*46 - 109*	*11/06/21 10:08*	*11/21/21 18:04*	*10*
Tetrachloro-m-xylene	*85*		*47 - 107*	*11/06/21 10:08*	*11/21/21 18:04*	*10*
Tetrachloro-m-xylene	*83*		*47 - 107*	*11/06/21 10:08*	*11/21/21 18:04*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/06/21 10:17	11/17/21 19:28	1
PCB-1221	ND		32	3.5	ug/Kg		11/06/21 10:17	11/17/21 19:28	1
PCB-1232	ND		32	4.7	ug/Kg		11/06/21 10:17	11/17/21 19:28	1
PCB-1242	ND		32	5.7	ug/Kg		11/06/21 10:17	11/17/21 19:28	1
PCB-1248	ND		32	2.4	ug/Kg		11/06/21 10:17	11/17/21 19:28	1
PCB-1254	ND		32	3.7	ug/Kg		11/06/21 10:17	11/17/21 19:28	1
PCB-1260	ND		32	2.6	ug/Kg		11/06/21 10:17	11/17/21 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*	*S1-*	*52 - 138*	*11/06/21 10:17*	*11/17/21 19:28*	*1*
Tetrachloro-m-xylene	*57*		*56 - 114*	*11/06/21 10:17*	*11/17/21 19:28*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**65**		0.96	0.25	mg/Kg		11/01/21 13:39	11/02/21 17:18	1
Arsenic	**12**		1.9	1.3	mg/Kg		11/01/21 13:39	11/02/21 17:18	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S4C-2
Date Collected: 10/27/21 12:40
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-43
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
Aldrin	ND		1.7	0.14	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
Chlordane (technical)	ND		20	9.3	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
Endrin	ND		1.7	0.20	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
trans-Chlordane	ND		1.7	0.59	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
Methoxychlor	ND		3.4	0.55	ug/Kg		11/06/21 10:08	11/21/21 19:01	1
Toxaphene	ND		66	22	ug/Kg		11/06/21 10:08	11/21/21 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*46 - 109*	*11/06/21 10:08*	*11/21/21 19:01*	*1*
DCB Decachlorobiphenyl	*66*		*46 - 109*	*11/06/21 10:08*	*11/21/21 19:01*	*1*
Tetrachloro-m-xylene	*59*		*47 - 107*	*11/06/21 10:08*	*11/21/21 19:01*	*1*
Tetrachloro-m-xylene	*59*		*47 - 107*	*11/06/21 10:08*	*11/21/21 19:01*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S3C-0.5

Date Collected: 10/27/21 12:50
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-44

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
Aldrin	ND		16	1.3	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
alpha-BHC	ND		16	1.5	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
beta-BHC	ND		16	2.1	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
Chlordane (technical)	ND		190	90	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
delta-BHC	ND		16	3.4	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
Dieldrin	ND		16	1.9	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
Endosulfan I	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
Endosulfan II	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
Endosulfan sulfate	ND		16	3.4	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
Endrin	ND		16	1.9	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
Endrin aldehyde	ND		16	5.5	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
Endrin ketone	ND		16	2.6	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
trans-Chlordane	ND		16	5.8	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
gamma-BHC (Lindane)	ND		16	1.3	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
Heptachlor	ND		16	1.4	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
Methoxychlor	ND		33	5.4	ug/Kg		11/06/21 10:08	11/21/21 19:20	10
Toxaphene	ND		640	220	ug/Kg		11/06/21 10:08	11/21/21 19:20	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*211*	*S1+*	*46 - 109*	*11/06/21 10:08*	*11/21/21 19:20*	*10*
DCB Decachlorobiphenyl	*89*		*46 - 109*	*11/06/21 10:08*	*11/21/21 19:20*	*10*
Tetrachloro-m-xylene	*84*		*47 - 107*	*11/06/21 10:08*	*11/21/21 19:20*	*10*
Tetrachloro-m-xylene	*74*		*47 - 107*	*11/06/21 10:08*	*11/21/21 19:20*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.4	ug/Kg		11/06/21 10:17	11/17/21 19:48	1
PCB-1221	ND		32	3.5	ug/Kg		11/06/21 10:17	11/17/21 19:48	1
PCB-1232	ND		32	4.6	ug/Kg		11/06/21 10:17	11/17/21 19:48	1
PCB-1242	ND		32	5.7	ug/Kg		11/06/21 10:17	11/17/21 19:48	1
PCB-1248	ND		32	2.3	ug/Kg		11/06/21 10:17	11/17/21 19:48	1
PCB-1254	ND		32	3.7	ug/Kg		11/06/21 10:17	11/17/21 19:48	1
PCB-1260	ND		32	2.6	ug/Kg		11/06/21 10:17	11/17/21 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*52 - 138*	*11/06/21 10:17*	*11/17/21 19:48*	*1*
Tetrachloro-m-xylene	*57*		*56 - 114*	*11/06/21 10:17*	*11/17/21 19:48*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**54**		0.98	0.25	mg/Kg		11/01/21 13:39	11/02/21 17:29	1
Arsenic	**15**		2.0	1.3	mg/Kg		11/01/21 13:39	11/02/21 17:29	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S3C-2

Date Collected: 10/27/21 12:55
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-45

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.5	1.1	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
4,4'-DDE	ND		8.5	1.0	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
4,4'-DDT	ND		8.5	1.2	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
Aldrin	ND		8.5	0.70	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
alpha-BHC	ND		8.5	0.80	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
cis-Chlordane	ND		8.5	0.90	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
beta-BHC	ND		8.5	1.1	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
Chlordane (technical)	ND		100	47	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
delta-BHC	ND		8.5	1.7	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
Dieldrin	ND		8.5	1.0	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
Endosulfan I	ND		8.5	0.90	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
Endosulfan II	ND		8.5	0.90	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
Endosulfan sulfate	ND		8.5	1.7	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
Endrin	ND		8.5	1.0	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
Endrin aldehyde	ND		8.5	2.8	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
Endrin ketone	ND		8.5	1.3	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
trans-Chlordane	ND		8.5	3.0	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
gamma-BHC (Lindane)	ND		8.5	0.70	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
Heptachlor	ND		8.5	0.75	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
Heptachlor epoxide	ND		8.5	0.90	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
Methoxychlor	ND		17	2.8	ug/Kg		11/06/21 10:08	11/21/21 19:39	5
Toxaphene	ND		330	110	ug/Kg		11/06/21 10:08	11/21/21 19:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*46 - 109*	*11/06/21 10:08*	*11/21/21 19:39*	*5*
DCB Decachlorobiphenyl	*89*		*46 - 109*	*11/06/21 10:08*	*11/21/21 19:39*	*5*
Tetrachloro-m-xylene	*90*		*47 - 107*	*11/06/21 10:08*	*11/21/21 19:39*	*5*
Tetrachloro-m-xylene	*86*		*47 - 107*	*11/06/21 10:08*	*11/21/21 19:39*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**230**		1.0	0.26	mg/Kg		11/01/21 13:39	11/02/21 17:33	1
Arsenic	**3.7**		2.0	1.3	mg/Kg		11/01/21 13:39	11/02/21 17:33	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S1D-0.5

Date Collected: 10/27/21 13:14
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-46

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.4	1.1	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
4,4'-DDE	ND		8.4	1.0	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
4,4'-DDT	ND		8.4	1.2	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
Aldrin	ND		8.4	0.69	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
alpha-BHC	ND		8.4	0.79	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
cis-Chlordane	ND		8.4	0.89	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
beta-BHC	ND		8.4	1.1	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
Chlordane (technical)	ND		99	46	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
delta-BHC	ND		8.4	1.7	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
Dieldrin	ND		8.4	0.99	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
Endosulfan I	ND		8.4	0.89	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
Endosulfan II	ND		8.4	0.89	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
Endosulfan sulfate	ND		8.4	1.7	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
Endrin	ND		8.4	0.99	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
Endrin aldehyde	ND		8.4	2.8	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
Endrin ketone	ND		8.4	1.3	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
trans-Chlordane	ND		8.4	3.0	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
gamma-BHC (Lindane)	ND		8.4	0.69	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
Heptachlor	ND		8.4	0.74	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
Heptachlor epoxide	ND		8.4	0.89	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
Methoxychlor	ND		17	2.8	ug/Kg		11/06/21 10:08	11/21/21 19:57	5
Toxaphene	ND		330	110	ug/Kg		11/06/21 10:08	11/21/21 19:57	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*46 - 109*	*11/06/21 10:08*	*11/21/21 19:57*	*5*
DCB Decachlorobiphenyl	*75*		*46 - 109*	*11/06/21 10:08*	*11/21/21 19:57*	*5*
Tetrachloro-m-xylene	*92*		*47 - 107*	*11/06/21 10:08*	*11/21/21 19:57*	*5*
Tetrachloro-m-xylene	*88*		*47 - 107*	*11/06/21 10:08*	*11/21/21 19:57*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/06/21 10:17	11/17/21 20:29	1
PCB-1221	ND		33	3.6	ug/Kg		11/06/21 10:17	11/17/21 20:29	1
PCB-1232	ND		33	4.7	ug/Kg		11/06/21 10:17	11/17/21 20:29	1
PCB-1242	ND		33	5.8	ug/Kg		11/06/21 10:17	11/17/21 20:29	1
PCB-1248	ND		33	2.4	ug/Kg		11/06/21 10:17	11/17/21 20:29	1
PCB-1254	ND		33	3.8	ug/Kg		11/06/21 10:17	11/17/21 20:29	1
PCB-1260	ND		33	2.7	ug/Kg		11/06/21 10:17	11/17/21 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*52 - 138*	*11/06/21 10:17*	*11/17/21 20:29*	*1*
Tetrachloro-m-xylene	*71*		*56 - 114*	*11/06/21 10:17*	*11/17/21 20:29*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.23	mg/Kg		11/09/21 08:59	11/10/21 18:29	1
Arsenic	ND	L	2.5	2.3	mg/Kg		11/09/21 08:59	11/10/21 18:29	1
Barium	**150**		0.51	0.23	mg/Kg		11/09/21 08:59	11/10/21 18:29	1
Beryllium	**0.33**		0.25	0.17	mg/Kg		11/09/21 08:59	11/10/21 18:29	1
Cadmium	**0.81**		0.51	0.20	mg/Kg		11/09/21 08:59	11/10/21 18:29	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S1D-0.5
Date Collected: 10/27/21 13:14
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-46
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	9.9		1.0	0.23	mg/Kg		11/09/21 08:59	11/10/21 18:29	1
Chromium	7.1		1.0	0.18	mg/Kg		11/09/21 08:59	11/10/21 18:29	1
Copper	18		1.0	0.51	mg/Kg		11/09/21 08:59	11/10/21 18:29	1
Molybdenum	ND	L	0.51	0.46	mg/Kg		11/09/21 08:59	11/10/21 18:29	1
Nickel	13		0.51	0.44	mg/Kg		11/09/21 08:59	11/10/21 18:29	1
Antimony	1.9	J	3.0	1.4	mg/Kg		11/09/21 08:59	11/10/21 18:29	1
Selenium	ND		5.1	1.9	mg/Kg		11/09/21 08:59	11/10/21 18:29	1
Thallium	ND		5.1	1.5	mg/Kg		11/09/21 08:59	11/10/21 18:29	1
Vanadium	19		1.0	0.17	mg/Kg		11/09/21 08:59	11/10/21 18:29	1
Zinc	67		10	5.2	mg/Kg		11/09/21 08:59	11/10/21 18:29	1
Lead	6.2		5.1	0.98	mg/Kg		11/09/21 08:59	11/10/21 18:29	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.083	0.014	mg/Kg		11/09/21 08:55	11/09/21 12:52	1

Client Sample ID: AOC3-S1D-2

Date Collected: 10/27/21 13:15
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-47

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
Aldrin	ND		1.6	0.13	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
Chlordane (technical)	ND		19	9.0	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
delta-BHC	ND		1.6	0.33	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
Endosulfan sulfate	ND		1.6	0.33	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
Endrin	ND		1.6	0.19	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
Endrin aldehyde	ND		1.6	0.54	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
trans-Chlordane	ND		1.6	0.57	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
Methoxychlor	ND		3.2	0.53	ug/Kg		11/06/21 10:08	11/21/21 20:16	1
Toxaphene	ND		64	21	ug/Kg		11/06/21 10:08	11/21/21 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*46 - 109*	*11/06/21 10:08*	*11/21/21 20:16*	*1*
DCB Decachlorobiphenyl	*74*		*46 - 109*	*11/06/21 10:08*	*11/21/21 20:16*	*1*
Tetrachloro-m-xylene	*64*		*47 - 107*	*11/06/21 10:08*	*11/21/21 20:16*	*1*
Tetrachloro-m-xylene	*67*		*47 - 107*	*11/06/21 10:08*	*11/21/21 20:16*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC8-S2D-0.5

Date Collected: 10/27/21 13:16
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-48

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.5	1.1	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
4,4'-DDE	ND		8.5	1.0	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
4,4'-DDT	ND		8.5	1.2	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
Aldrin	ND		8.5	0.70	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
alpha-BHC	ND		8.5	0.80	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
cis-Chlordane	ND		8.5	0.90	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
beta-BHC	ND		8.5	1.1	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
Chlordane (technical)	ND		100	47	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
delta-BHC	ND		8.5	1.7	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
Dieldrin	ND		8.5	1.0	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
Endosulfan I	ND		8.5	0.90	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
Endosulfan II	ND		8.5	0.90	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
Endosulfan sulfate	ND		8.5	1.7	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
Endrin	ND		8.5	1.0	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
Endrin aldehyde	ND		8.5	2.8	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
Endrin ketone	ND		8.5	1.3	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
trans-Chlordane	ND		8.5	3.0	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
gamma-BHC (Lindane)	ND		8.5	0.70	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
Heptachlor	ND		8.5	0.75	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
Heptachlor epoxide	ND		8.5	0.90	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
Methoxychlor	ND		17	2.8	ug/Kg		11/06/21 10:08	11/21/21 20:35	5
Toxaphene	ND		330	110	ug/Kg		11/06/21 10:08	11/21/21 20:35	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*100*		*46 - 109*	*11/06/21 10:08*	*11/21/21 20:35*	*5*
DCB Decachlorobiphenyl	*57*		*46 - 109*	*11/06/21 10:08*	*11/21/21 20:35*	*5*
Tetrachloro-m-xylene	*89*		*47 - 107*	*11/06/21 10:08*	*11/21/21 20:35*	*5*
Tetrachloro-m-xylene	*83*		*47 - 107*	*11/06/21 10:08*	*11/21/21 20:35*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/06/21 10:17	11/17/21 20:50	1
PCB-1221	ND		33	3.6	ug/Kg		11/06/21 10:17	11/17/21 20:50	1
PCB-1232	ND		33	4.8	ug/Kg		11/06/21 10:17	11/17/21 20:50	1
PCB-1242	ND		33	5.9	ug/Kg		11/06/21 10:17	11/17/21 20:50	1
PCB-1248	ND		33	2.4	ug/Kg		11/06/21 10:17	11/17/21 20:50	1
PCB-1254	ND		33	3.8	ug/Kg		11/06/21 10:17	11/17/21 20:50	1
PCB-1260	ND		33	2.7	ug/Kg		11/06/21 10:17	11/17/21 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*52 - 138*	*11/06/21 10:17*	*11/17/21 20:50*	*1*
Tetrachloro-m-xylene	*71*		*56 - 114*	*11/06/21 10:17*	*11/17/21 20:50*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**100**		0.98	0.25	mg/Kg		11/01/21 13:39	11/02/21 17:37	1
Arsenic	**9.0**		2.0	1.3	mg/Kg		11/01/21 13:39	11/02/21 17:37	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC8-S2D-2
Date Collected: 10/27/21 13:18
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-49
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
Aldrin	ND		1.7	0.14	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
Chlordane (technical)	ND		20	9.4	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
Endrin	ND		1.7	0.20	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/06/21 10:08	11/21/21 20:54	1
Toxaphene	ND		67	22	ug/Kg		11/06/21 10:08	11/21/21 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*46 - 109*	*11/06/21 10:08*	*11/21/21 20:54*	*1*
DCB Decachlorobiphenyl	*67*		*46 - 109*	*11/06/21 10:08*	*11/21/21 20:54*	*1*
Tetrachloro-m-xylene	*57*		*47 - 107*	*11/06/21 10:08*	*11/21/21 20:54*	*1*
Tetrachloro-m-xylene	*56*		*47 - 107*	*11/06/21 10:08*	*11/21/21 20:54*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC8-S1E-0.5

Date Collected: 10/27/21 13:27
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-50

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
Aldrin	ND		16	1.4	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
alpha-BHC	ND		16	1.5	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
beta-BHC	ND		16	2.1	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
Chlordane (technical)	ND		190	91	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
delta-BHC	ND		16	3.4	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
Dieldrin	ND		16	1.9	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
Endosulfan I	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
Endosulfan II	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
Endosulfan sulfate	ND		16	3.4	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
Endrin	ND		16	1.9	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
Endrin aldehyde	ND		16	5.5	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
Endrin ketone	ND		16	2.6	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
trans-Chlordane	ND		16	5.8	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
gamma-BHC (Lindane)	ND		16	1.4	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
Heptachlor	ND		16	1.5	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
Methoxychlor	ND		33	5.4	ug/Kg		11/06/21 10:08	11/21/21 21:13	10
Toxaphene	ND		650	220	ug/Kg		11/06/21 10:08	11/21/21 21:13	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*156*	*S1+*	*46 - 109*	*11/06/21 10:08*	*11/21/21 21:13*	*10*
DCB Decachlorobiphenyl	*49*		*46 - 109*	*11/06/21 10:08*	*11/21/21 21:13*	*10*
Tetrachloro-m-xylene	*98*		*47 - 107*	*11/06/21 10:08*	*11/21/21 21:13*	*10*
Tetrachloro-m-xylene	*81*		*47 - 107*	*11/06/21 10:08*	*11/21/21 21:13*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/06/21 10:17	11/17/21 21:10	1
PCB-1221	ND		32	3.5	ug/Kg		11/06/21 10:17	11/17/21 21:10	1
PCB-1232	ND		32	4.6	ug/Kg		11/06/21 10:17	11/17/21 21:10	1
PCB-1242	ND		32	5.7	ug/Kg		11/06/21 10:17	11/17/21 21:10	1
PCB-1248	ND		32	2.4	ug/Kg		11/06/21 10:17	11/17/21 21:10	1
PCB-1254	ND		32	3.7	ug/Kg		11/06/21 10:17	11/17/21 21:10	1
PCB-1260	ND		32	2.6	ug/Kg		11/06/21 10:17	11/17/21 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*52 - 138*	*11/06/21 10:17*	*11/17/21 21:10*	*1*
Tetrachloro-m-xylene	*58*		*56 - 114*	*11/06/21 10:17*	*11/17/21 21:10*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**7.8**		0.95	0.25	mg/Kg		11/01/21 13:39	11/02/21 17:41	1
Arsenic	**6.8**		1.9	1.2	mg/Kg		11/01/21 13:39	11/02/21 17:41	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC8-S1E-2
Date Collected: 10/27/21 13:29
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-51
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
Aldrin	ND		1.7	0.14	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
Chlordane (technical)	ND		20	9.3	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
Endrin	ND		1.7	0.20	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
trans-Chlordane	ND		1.7	0.59	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
Methoxychlor	ND		3.4	0.55	ug/Kg		11/06/21 10:08	11/21/21 21:32	1
Toxaphene	ND		66	22	ug/Kg		11/06/21 10:08	11/21/21 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*46 - 109*	*11/06/21 10:08*	*11/21/21 21:32*	*1*
DCB Decachlorobiphenyl	*64*		*46 - 109*	*11/06/21 10:08*	*11/21/21 21:32*	*1*
Tetrachloro-m-xylene	*70*		*47 - 107*	*11/06/21 10:08*	*11/21/21 21:32*	*1*
Tetrachloro-m-xylene	*68*		*47 - 107*	*11/06/21 10:08*	*11/21/21 21:32*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S2E-0.5

Date Collected: 10/27/21 13:30
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-52

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
Aldrin	ND		16	1.4	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
alpha-BHC	ND		16	1.5	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
beta-BHC	ND		16	2.1	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
Chlordane (technical)	ND		190	91	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
delta-BHC	ND		16	3.4	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
Dieldrin	ND		16	1.9	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
Endosulfan I	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
Endosulfan II	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
Endosulfan sulfate	ND		16	3.4	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
Endrin	ND		16	1.9	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
Endrin aldehyde	ND		16	5.5	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
Endrin ketone	ND		16	2.6	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
trans-Chlordane	ND		16	5.8	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
gamma-BHC (Lindane)	ND		16	1.4	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
Heptachlor	ND		16	1.4	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
Methoxychlor	ND		33	5.4	ug/Kg		11/06/21 10:08	11/21/21 21:51	10
Toxaphene	ND		650	220	ug/Kg		11/06/21 10:08	11/21/21 21:51	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*146*	*S1+*	*46 - 109*	*11/06/21 10:08*	*11/21/21 21:51*	*10*
DCB Decachlorobiphenyl	*44*	*S1-*	*46 - 109*	*11/06/21 10:08*	*11/21/21 21:51*	*10*
Tetrachloro-m-xylene	*105*		*47 - 107*	*11/06/21 10:08*	*11/21/21 21:51*	*10*
Tetrachloro-m-xylene	*91*		*47 - 107*	*11/06/21 10:08*	*11/21/21 21:51*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/06/21 10:17	11/17/21 21:31	1
PCB-1221	ND		32	3.5	ug/Kg		11/06/21 10:17	11/17/21 21:31	1
PCB-1232	ND		32	4.6	ug/Kg		11/06/21 10:17	11/17/21 21:31	1
PCB-1242	ND		32	5.7	ug/Kg		11/06/21 10:17	11/17/21 21:31	1
PCB-1248	ND		32	2.4	ug/Kg		11/06/21 10:17	11/17/21 21:31	1
PCB-1254	ND		32	3.7	ug/Kg		11/06/21 10:17	11/17/21 21:31	1
PCB-1260	ND		32	2.6	ug/Kg		11/06/21 10:17	11/17/21 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*52 - 138*	*11/06/21 10:17*	*11/17/21 21:31*	*1*
Tetrachloro-m-xylene	*70*		*56 - 114*	*11/06/21 10:17*	*11/17/21 21:31*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**100**	**B**	1.0	0.26	mg/Kg		11/01/21 13:39	11/02/21 13:17	1
Arsenic	**10**		2.0	1.3	mg/Kg		11/01/21 13:39	11/02/21 13:17	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S2E-2
Date Collected: 10/27/21 13:32
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-53
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
Aldrin	ND		1.7	0.14	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
Chlordane (technical)	ND		20	9.4	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
Endrin	ND		1.7	0.20	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/06/21 10:08	11/21/21 22:10	1
Toxaphene	ND		67	22	ug/Kg		11/06/21 10:08	11/21/21 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*46 - 109*	*11/06/21 10:08*	*11/21/21 22:10*	*1*
DCB Decachlorobiphenyl	*62*		*46 - 109*	*11/06/21 10:08*	*11/21/21 22:10*	*1*
Tetrachloro-m-xylene	*64*		*47 - 107*	*11/06/21 10:08*	*11/21/21 22:10*	*1*
Tetrachloro-m-xylene	*59*		*47 - 107*	*11/06/21 10:08*	*11/21/21 22:10*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S3E-0.5

Date Collected: 10/27/21 13:50
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-54

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
Aldrin	ND		16	1.3	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
alpha-BHC	ND		16	1.5	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
beta-BHC	ND		16	2.1	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
Chlordane (technical)	ND		190	91	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
delta-BHC	ND		16	3.4	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
Dieldrin	ND		16	1.9	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
Endosulfan I	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
Endosulfan II	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
Endosulfan sulfate	ND		16	3.4	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
Endrin	ND		16	1.9	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
Endrin aldehyde	ND		16	5.5	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
Endrin ketone	ND		16	2.6	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
trans-Chlordane	ND		16	5.8	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
gamma-BHC (Lindane)	ND		16	1.3	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
Heptachlor	**2.6**	**J**	16	1.4	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
Methoxychlor	ND		33	5.4	ug/Kg		11/06/21 10:08	11/21/21 22:29	10
Toxaphene	ND		650	220	ug/Kg		11/06/21 10:08	11/21/21 22:29	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*188*	*S1+*	*46 - 109*	*11/06/21 10:08*	*11/21/21 22:29*	*10*
DCB Decachlorobiphenyl	*28*	*S1-*	*46 - 109*	*11/06/21 10:08*	*11/21/21 22:29*	*10*
Tetrachloro-m-xylene	*97*		*47 - 107*	*11/06/21 10:08*	*11/21/21 22:29*	*10*
Tetrachloro-m-xylene	*82*		*47 - 107*	*11/06/21 10:08*	*11/21/21 22:29*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/06/21 10:17	11/17/21 21:52	1
PCB-1221	ND		32	3.5	ug/Kg		11/06/21 10:17	11/17/21 21:52	1
PCB-1232	ND		32	4.6	ug/Kg		11/06/21 10:17	11/17/21 21:52	1
PCB-1242	ND		32	5.7	ug/Kg		11/06/21 10:17	11/17/21 21:52	1
PCB-1248	ND		32	2.3	ug/Kg		11/06/21 10:17	11/17/21 21:52	1
PCB-1254	ND		32	3.7	ug/Kg		11/06/21 10:17	11/17/21 21:52	1
PCB-1260	ND		32	2.6	ug/Kg		11/06/21 10:17	11/17/21 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*52 - 138*	*11/06/21 10:17*	*11/17/21 21:52*	*1*
Tetrachloro-m-xylene	*63*		*56 - 114*	*11/06/21 10:17*	*11/17/21 21:52*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**65**	**B**	0.95	0.25	mg/Kg		11/01/21 13:39	11/02/21 13:21	1
Arsenic	**16**		1.9	1.2	mg/Kg		11/01/21 13:39	11/02/21 13:21	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S3E-2
Date Collected: 10/27/21 13:52
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-55
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
Aldrin	ND		1.7	0.14	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
Chlordane (technical)	ND		20	9.3	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
Endrin	ND		1.7	0.20	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
trans-Chlordane	ND		1.7	0.59	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
Methoxychlor	ND		3.4	0.55	ug/Kg		11/06/21 10:08	11/21/21 22:48	1
Toxaphene	ND		66	22	ug/Kg		11/06/21 10:08	11/21/21 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*46 - 109*	*11/06/21 10:08*	*11/21/21 22:48*	*1*
DCB Decachlorobiphenyl	*73*		*46 - 109*	*11/06/21 10:08*	*11/21/21 22:48*	*1*
Tetrachloro-m-xylene	*63*		*47 - 107*	*11/06/21 10:08*	*11/21/21 22:48*	*1*
Tetrachloro-m-xylene	*59*		*47 - 107*	*11/06/21 10:08*	*11/21/21 22:48*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S3D-0.5

Date Collected: 10/27/21 13:52
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-56

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
Aldrin	ND		16	1.3	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
alpha-BHC	ND		16	1.5	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
beta-BHC	ND		16	2.1	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
Chlordane (technical)	ND		190	90	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
delta-BHC	ND		16	3.3	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
Dieldrin	ND		16	1.9	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
Endosulfan I	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
Endosulfan II	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
Endosulfan sulfate	ND		16	3.3	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
Endrin	ND		16	1.9	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
Endrin aldehyde	ND		16	5.4	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
Endrin ketone	ND		16	2.6	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
trans-Chlordane	ND		16	5.7	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
gamma-BHC (Lindane)	ND		16	1.3	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
Heptachlor	ND		16	1.4	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
Methoxychlor	ND		33	5.4	ug/Kg		11/06/21 10:08	11/21/21 23:06	10
Toxaphene	ND		640	210	ug/Kg		11/06/21 10:08	11/21/21 23:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*143*	*S1+*	*46 - 109*	*11/06/21 10:08*	*11/21/21 23:06*	*10*
DCB Decachlorobiphenyl	*43*	*S1-*	*46 - 109*	*11/06/21 10:08*	*11/21/21 23:06*	*10*
Tetrachloro-m-xylene	*89*		*47 - 107*	*11/06/21 10:08*	*11/21/21 23:06*	*10*
Tetrachloro-m-xylene	*74*		*47 - 107*	*11/06/21 10:08*	*11/21/21 23:06*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.4	ug/Kg		11/06/21 10:17	11/17/21 22:12	1
PCB-1221	ND		32	3.5	ug/Kg		11/06/21 10:17	11/17/21 22:12	1
PCB-1232	ND		32	4.6	ug/Kg		11/06/21 10:17	11/17/21 22:12	1
PCB-1242	ND		32	5.6	ug/Kg		11/06/21 10:17	11/17/21 22:12	1
PCB-1248	ND		32	2.3	ug/Kg		11/06/21 10:17	11/17/21 22:12	1
PCB-1254	ND		32	3.6	ug/Kg		11/06/21 10:17	11/17/21 22:12	1
PCB-1260	ND		32	2.6	ug/Kg		11/06/21 10:17	11/17/21 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*52 - 138*	*11/06/21 10:17*	*11/17/21 22:12*	*1*
Tetrachloro-m-xylene	*60*		*56 - 114*	*11/06/21 10:17*	*11/17/21 22:12*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**100**	**B**	0.95	0.25	mg/Kg		11/01/21 13:39	11/02/21 13:25	1
Arsenic	**10**		1.9	1.2	mg/Kg		11/01/21 13:39	11/02/21 13:25	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S3D-2
Date Collected: 10/27/21 13:54
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-57
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
Aldrin	ND		1.7	0.14	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
Chlordane (technical)	ND		20	9.3	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
Endrin	ND		1.7	0.20	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/06/21 10:08	11/21/21 23:25	1
Toxaphene	ND		67	22	ug/Kg		11/06/21 10:08	11/21/21 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*46 - 109*	*11/06/21 10:08*	*11/21/21 23:25*	*1*
DCB Decachlorobiphenyl	*60*		*46 - 109*	*11/06/21 10:08*	*11/21/21 23:25*	*1*
Tetrachloro-m-xylene	*66*		*47 - 107*	*11/06/21 10:08*	*11/21/21 23:25*	*1*
Tetrachloro-m-xylene	*62*		*47 - 107*	*11/06/21 10:08*	*11/21/21 23:25*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S4D-0.5

Date Collected: 10/27/21 13:58
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-58

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
Aldrin	ND		16	1.4	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
alpha-BHC	ND		16	1.5	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
beta-BHC	ND		16	2.1	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
Chlordane (technical)	ND		190	91	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
delta-BHC	ND		16	3.4	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
Dieldrin	ND		16	1.9	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
Endosulfan I	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
Endosulfan II	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
Endosulfan sulfate	ND		16	3.4	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
Endrin	ND		16	1.9	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
Endrin aldehyde	ND		16	5.5	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
Endrin ketone	ND		16	2.6	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
trans-Chlordane	ND		16	5.8	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
gamma-BHC (Lindane)	ND		16	1.4	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
Heptachlor	ND		16	1.4	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
Methoxychlor	ND		33	5.4	ug/Kg		11/06/21 10:08	11/21/21 23:44	10
Toxaphene	ND		650	220	ug/Kg		11/06/21 10:08	11/21/21 23:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*272*	*S1+*	*46 - 109*	*11/06/21 10:08*	*11/21/21 23:44*	*10*
DCB Decachlorobiphenyl	*65*		*46 - 109*	*11/06/21 10:08*	*11/21/21 23:44*	*10*
Tetrachloro-m-xylene	*97*		*47 - 107*	*11/06/21 10:08*	*11/21/21 23:44*	*10*
Tetrachloro-m-xylene	*80*		*47 - 107*	*11/06/21 10:08*	*11/21/21 23:44*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/06/21 10:17	11/17/21 22:33	1
PCB-1221	ND		32	3.5	ug/Kg		11/06/21 10:17	11/17/21 22:33	1
PCB-1232	ND		32	4.6	ug/Kg		11/06/21 10:17	11/17/21 22:33	1
PCB-1242	ND		32	5.7	ug/Kg		11/06/21 10:17	11/17/21 22:33	1
PCB-1248	ND		32	2.4	ug/Kg		11/06/21 10:17	11/17/21 22:33	1
PCB-1254	ND		32	3.7	ug/Kg		11/06/21 10:17	11/17/21 22:33	1
PCB-1260	ND		32	2.6	ug/Kg		11/06/21 10:17	11/17/21 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*52 - 138*	*11/06/21 10:17*	*11/17/21 22:33*	*1*
Tetrachloro-m-xylene	*62*		*56 - 114*	*11/06/21 10:17*	*11/17/21 22:33*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**140**	**B**	0.95	0.25	mg/Kg		11/01/21 13:39	11/02/21 13:29	1
Arsenic	**6.2**		1.9	1.2	mg/Kg		11/01/21 13:39	11/02/21 13:29	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S4D-2
Date Collected: 10/27/21 14:00
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-59
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
Aldrin	ND		1.6	0.13	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
Chlordane (technical)	ND		19	9.0	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
delta-BHC	ND		1.6	0.33	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
Endosulfan sulfate	ND		1.6	0.33	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
Endrin	ND		1.6	0.19	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
Endrin aldehyde	ND		1.6	0.54	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
trans-Chlordane	ND		1.6	0.57	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
Methoxychlor	ND		3.2	0.53	ug/Kg		11/06/21 10:08	11/22/21 00:03	1
Toxaphene	ND		64	21	ug/Kg		11/06/21 10:08	11/22/21 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*46 - 109*	*11/06/21 10:08*	*11/22/21 00:03*	*1*
DCB Decachlorobiphenyl	*65*		*46 - 109*	*11/06/21 10:08*	*11/22/21 00:03*	*1*
Tetrachloro-m-xylene	*72*		*47 - 107*	*11/06/21 10:08*	*11/22/21 00:03*	*1*
Tetrachloro-m-xylene	*68*		*47 - 107*	*11/06/21 10:08*	*11/22/21 00:03*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S4E-0.5

Date Collected: 10/27/21 14:05
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-60

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		17	2.2	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
4,4'-DDE	ND		17	2.0	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
4,4'-DDT	ND		17	2.4	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
Aldrin	ND		17	1.4	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
alpha-BHC	ND		17	1.6	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
cis-Chlordane	ND		17	1.8	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
beta-BHC	ND		17	2.1	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
Chlordane (technical)	ND		190	92	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
delta-BHC	ND		17	3.4	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
Dieldrin	ND		17	1.9	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
Endosulfan I	ND		17	1.8	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
Endosulfan II	ND		17	1.8	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
Endosulfan sulfate	ND		17	3.4	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
Endrin	ND		17	1.9	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
Endrin aldehyde	ND		17	5.6	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
Endrin ketone	ND		17	2.6	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
trans-Chlordane	ND		17	5.8	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
gamma-BHC (Lindane)	ND		17	1.4	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
Heptachlor	ND		17	1.5	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
Heptachlor epoxide	ND		17	1.8	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
Methoxychlor	ND		33	5.5	ug/Kg		11/06/21 10:08	11/22/21 00:22	10
Toxaphene	ND		650	220	ug/Kg		11/06/21 10:08	11/22/21 00:22	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*101*		*46 - 109*	*11/06/21 10:08*	*11/22/21 00:22*	*10*
DCB Decachlorobiphenyl	*29*	*S1-*	*46 - 109*	*11/06/21 10:08*	*11/22/21 00:22*	*10*
Tetrachloro-m-xylene	*102*		*47 - 107*	*11/06/21 10:08*	*11/22/21 00:22*	*10*
Tetrachloro-m-xylene	*78*		*47 - 107*	*11/06/21 10:08*	*11/22/21 00:22*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/06/21 10:18	11/17/21 22:53	1
PCB-1221	ND		32	3.5	ug/Kg		11/06/21 10:18	11/17/21 22:53	1
PCB-1232	ND		32	4.7	ug/Kg		11/06/21 10:18	11/17/21 22:53	1
PCB-1242	ND		32	5.8	ug/Kg		11/06/21 10:18	11/17/21 22:53	1
PCB-1248	ND		32	2.4	ug/Kg		11/06/21 10:18	11/17/21 22:53	1
PCB-1254	ND		32	3.7	ug/Kg		11/06/21 10:18	11/17/21 22:53	1
PCB-1260	ND		32	2.6	ug/Kg		11/06/21 10:18	11/17/21 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*52 - 138*	*11/06/21 10:18*	*11/17/21 22:53*	*1*
Tetrachloro-m-xylene	*61*		*56 - 114*	*11/06/21 10:18*	*11/17/21 22:53*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.23	mg/Kg		11/09/21 08:59	11/10/21 18:31	1
Arsenic	ND		2.6	2.4	mg/Kg		11/09/21 08:59	11/10/21 18:31	1
Barium	**36**		0.52	0.23	mg/Kg		11/09/21 08:59	11/10/21 18:31	1
Beryllium	ND		0.26	0.18	mg/Kg		11/09/21 08:59	11/10/21 18:31	1
Cadmium	ND		0.52	0.21	mg/Kg		11/09/21 08:59	11/10/21 18:31	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S4E-0.5

Date Collected: 10/27/21 14:05
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-60

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**1.4**		1.0	0.24	mg/Kg		11/09/21 08:59	11/10/21 18:31	1
Chromium	**2.6**		1.0	0.18	mg/Kg		11/09/21 08:59	11/10/21 18:31	1
Copper	**3.3**		1.0	0.53	mg/Kg		11/09/21 08:59	11/10/21 18:31	1
Molybdenum	ND		0.52	0.47	mg/Kg		11/09/21 08:59	11/10/21 18:31	1
Nickel	**5.3**		0.52	0.45	mg/Kg		11/09/21 08:59	11/10/21 18:31	1
Antimony	ND		3.1	1.4	mg/Kg		11/09/21 08:59	11/10/21 18:31	1
Selenium	ND		5.2	1.9	mg/Kg		11/09/21 08:59	11/10/21 18:31	1
Thallium	ND		5.2	1.5	mg/Kg		11/09/21 08:59	11/10/21 18:31	1
Vanadium	**0.96**	**J**	1.0	0.18	mg/Kg		11/09/21 08:59	11/10/21 18:31	1
Zinc	**25**		10	5.3	mg/Kg		11/09/21 08:59	11/10/21 18:31	1
Lead	**78**		5.2	1.0	mg/Kg		11/09/21 08:59	11/10/21 18:31	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.20**		0.086	0.014	mg/Kg		11/09/21 08:55	11/09/21 12:54	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S4E-2
Date Collected: 10/27/21 14:07
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-61
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
Aldrin	ND		1.7	0.14	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
Chlordane (technical)	ND		20	9.3	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
Endrin	ND		1.7	0.20	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/06/21 10:08	11/22/21 00:41	1
Toxaphene	ND		66	22	ug/Kg		11/06/21 10:08	11/22/21 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*46 - 109*	*11/06/21 10:08*	*11/22/21 00:41*	*1*
DCB Decachlorobiphenyl	*68*		*46 - 109*	*11/06/21 10:08*	*11/22/21 00:41*	*1*
Tetrachloro-m-xylene	*68*		*47 - 107*	*11/06/21 10:08*	*11/22/21 00:41*	*1*
Tetrachloro-m-xylene	*63*		*47 - 107*	*11/06/21 10:08*	*11/22/21 00:41*	*1*

Surrogate Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	2FP (53-113)	NBZ (54-114)	TPHL (66-126)	TBP (60-120)	FBP (47-107)	PHL (54-114)
320-80943-23	AOC3/AOC10-S8A-0.5	54	96	72	0 S1-	50	97
320-80943-24	AOC3/AOC10-S8A-2	61	54	76	77	64	58
320-80943-25	AOC3/AOC10-S8B-0.5	54	90	90	0 S1-	71	48 S1-
320-80943-26	AOC3/AOC10-S8B-2	56	61	74	91	71	60
320-80943-27	AOC3/AOC10-S9C-0.5	37 S1-	64	87	0 S1-	100	67
320-80943-28	AOC3/AOC10-S9C-0.5DUP	42 S1-	55	100	0 S1-	69	50 S1-
320-80943-29	AOC3/AOC10-S9C-2	50 S1-	29 S1-	131 S1+	0 S1-	114 S1+	100
320-80943-29 MS	AOC3/AOC10-S9C-2	0 S1-	0 S1-	0 S1-	0 S1-	98	0 S1-
320-80943-29 MSD	AOC3/AOC10-S9C-2	0 S1-	0 S1-	0 S1-	0 S1-	110 S1+	0 S1-
LCS 320-539206/2-A	Lab Control Sample	86	89	95	90	86	88
MB 320-539206/1-A	Method Blank	84	72	96	78	83	83

Surrogate Legend

2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl (Surr)
PHL = Phenol-d5

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)				
Lab Sample ID	Client Sample ID	TPHL (53-121)	FLN10 (50-150)	2MN (50-150)	FBP (43-109)	NBZ (49-114)
320-80943-23	AOC3/AOC10-S8A-0.5	113	94	83	84	99
320-80943-24	AOC3/AOC10-S8A-2	98	95	86	83	91
320-80943-25	AOC3/AOC10-S8B-0.5	115	97	107	89	95
320-80943-26	AOC3/AOC10-S8B-2	93	93	82	80	90
320-80943-27	AOC3/AOC10-S9C-0.5	96	102	103	93	121 S1+
320-80943-28	AOC3/AOC10-S9C-0.5DUP	83	112	90	86	78
320-80943-29	AOC3/AOC10-S9C-2	0 S1-	84	82	71	66
320-80943-29 MS	AOC3/AOC10-S9C-2	100	86	76	85	88
320-80943-29 MSD	AOC3/AOC10-S9C-2	93	100	84	81	69
LCS 320-539143/2-A	Lab Control Sample	94	86	87	92	87
MB 320-539143/1-A	Method Blank	97	86	86	89	85

Surrogate Legend

TPHL = Terphenyl-d14
FLN10 = Fluoranthene-d10 (Surr)
2MN = 2-methylnaphthalene-d10
FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)

Surrogate Summary

Client: Ninyo & Moore
Job ID: 320-80943-1
Project/Site: Cole School PEA

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (46-109)	DCBP2 (46-109)	TCX1 (47-107)	TCX2 (47-107)
320-80943-1	AOC3-S3B-0.5	45 S1-	37 S1-	64	62
320-80943-2	AOC3-S3B-2	51	58	75	70
320-80943-3	AOC3-S2A-0.5	74	60	98	90
320-80943-4	AOC3-S2A-2	34 S1-	33 S1-	56	53
320-80943-5	AOC3-S3A-0.5	68	48	69	61
320-80943-6	AOC3-S3A-2	34 S1-	27 S1-	52	51
320-80943-7	AOC3-S4A-0.5	51	55	71	66
320-80943-8	AOC3-S4A-2	6 S1-	53	104	86
320-80943-9	AOC3-S5A-0.5	56	39 S1-	78	64
320-80943-10	AOC3-S5A-2	49	53	73	67
320-80943-11	AOC3-S4B-0.5	109	78	79	68
320-80943-12	AOC3-S4B-2	43 S1-	50	69	65
320-80943-13	AOC3/AOC8-S5B-0.5	63	55	78	69
320-80943-14	AOC3/AOC8-S5B-2	46	60	82	76
320-80943-15	AOC3-S6B-0.5	89	48	77	68
320-80943-16	AOC3-S6B-2	46	50	71	69
320-80943-16 MS	AOC3-S6B-2	43 S1-		64	
320-80943-16 MSD	AOC3-S6B-2	41 S1-		64	
320-80943-17	AOC3-S6A-0.5	76	81	79	64
320-80943-18	AOC3-S6A-2	55	58	78	76
320-80943-19	AOC3-S7A-0.5	68	61	86	77
320-80943-19 MS	AOC3-S7A-0.5	84		68	
320-80943-19 MSD	AOC3-S7A-0.5	93		82	
320-80943-20	AOC3-S7A-2	46	43 S1-	65	60
320-80943-21	AOC3-S7B-0.5	94	72	87	78
320-80943-22	AOC3-S7B-2	27 S1-	33 S1-	47	46 S1-
320-80943-23	AOC3/AOC10-S8A-0.5	61	54	82	63
320-80943-24	AOC3/AOC10-S8A-2	22 S1-	23 S1-	45 S1-	40 S1-
320-80943-25	AOC3/AOC10-S8B-0.5	66	36 S1-	73	59
320-80943-26	AOC3/AOC10-S8B-2	47	45 S1-	69	64
320-80943-27	AOC3/AOC10-S9C-0.5	72	47	76	62
320-80943-28	AOC3/AOC10-S9C-0.5DUP	74	52	62	54
320-80943-29	AOC3/AOC10-S9C-2	88	92	94	80
320-80943-30	AOC3-S8D-0.5	87	54	78	69
320-80943-31	AOC3-S8D-2	55	52	73	72
320-80943-32	AOC3/AOC8-S8C-0.5	96	59	91	76
320-80943-33	AOC3/AOC8-S8C-2	46	49	69	68
320-80943-34	AOC3-S7C-0.5	62	55	78	68
320-80943-35	AOC3-S7C-2	48	49	69	68
320-80943-36	AOC3-S6C-0.5	72	51	82	70
320-80943-37	AOC3-S6C-2	53	42 S1-	60	60
320-80943-38	AOC3-S7D-0.5	90	59	99	89
320-80943-39	AOC3-S7D-2	47	53	66	66
320-80943-40	AOC3-S5C-0.5	103	42 S1-	85	71
320-80943-41	AOC3-S5C-2	42 S1-	47	60	58
320-80943-41 MS	AOC3-S5C-2	50		76	
320-80943-41 MSD	AOC3-S5C-2	47		68	
320-80943-42	AOC3-S4C-0.5	110 S1+	37 S1-	85	83
320-80943-42 MS	AOC3-S4C-0.5	82		93	
320-80943-42 MSD	AOC3-S4C-0.5	133 S1+		94	

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (46-109)	DCBP2 (46-109)	TCX1 (47-107)	TCX2 (47-107)
320-80943-43	AOC3-S4C-2	60	66	59	59
320-80943-44	AOC3-S3C-0.5	211 S1+	89	84	74
320-80943-45	AOC3-S3C-2	92	89	90	86
320-80943-46	AOC3-S1D-0.5	86	75	92	88
320-80943-47	AOC3-S1D-2	83	74	64	67
320-80943-48	AOC3/AOC8-S2D-0.5	100	57	89	83
320-80943-49	AOC3/AOC8-S2D-2	65	67	57	56
320-80943-50	AOC3/AOC8-S1E-0.5	156 S1+	49	98	81
320-80943-51	AOC3/AOC8-S1E-2	58	64	70	68
320-80943-52	AOC3-S2E-0.5	146 S1+	44 S1-	105	91
320-80943-53	AOC3-S2E-2	61	62	64	59
320-80943-54	AOC3-S3E-0.5	188 S1+	28 S1-	97	82
320-80943-55	AOC3-S3E-2	66	73	63	59
320-80943-56	AOC3-S3D-0.5	143 S1+	43 S1-	89	74
320-80943-57	AOC3-S3D-2	54	60	66	62
320-80943-58	AOC3-S4D-0.5	272 S1+	65	97	80
320-80943-59	AOC3-S4D-2	73	65	72	68
320-80943-60	AOC3-S4E-0.5	101	29 S1-	102	78
320-80943-61	AOC3-S4E-2	60	68	68	63
LCS 320-539466/2-A	Lab Control Sample	58		63	
LCS 320-539525/2-A	Lab Control Sample	60		76	
LCS 320-539858/2-A	Lab Control Sample	58		71	
LCS 320-540585/2-A	Lab Control Sample	81		82	
MB 320-539466/1-A	Method Blank	58	75	65	61
MB 320-539525/1-A	Method Blank	54	68	67	67
MB 320-539858/1-A	Method Blank	57	82	74	68
MB 320-540585/1-A	Method Blank	83	86	78	78

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP2 (52-138)	TCX2 (56-114)
320-80943-1	AOC3-S3B-0.5	44 S1-	59
320-80943-3	AOC3-S2A-0.5	60	71
320-80943-5	AOC3-S3A-0.5	54	62
320-80943-7	AOC3-S4A-0.5	68	79
320-80943-9	AOC3-S5A-0.5	56	63
320-80943-11	AOC3-S4B-0.5	56	60
320-80943-13	AOC3/AOC8-S5B-0.5	58	62
320-80943-15	AOC3-S6B-0.5	55	64
320-80943-17	AOC3-S6A-0.5	55	62
320-80943-17 MS	AOC3-S6A-0.5	58	62
320-80943-17 MSD	AOC3-S6A-0.5	56	65
320-80943-19	AOC3-S7A-0.5	52	66
320-80943-21	AOC3-S7B-0.5	51 S1-	65

Surrogate Summary

Client: Ninyo & Moore
Job ID: 320-80943-1
Project/Site: Cole School PEA

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP2 (52-138)	TCX2 (56-114)
320-80943-21 MS	AOC3-S7B-0.5	49 S1-	66
320-80943-21 MSD	AOC3-S7B-0.5	52	66
320-80943-23	AOC3/AOC10-S8A-0.5	41 S1-	57
320-80943-25	AOC3/AOC10-S8B-0.5	56	59
320-80943-27	AOC3/AOC10-S9C-0.5	58	58
320-80943-28	AOC3/AOC10-S9C-0.5DUP	51 S1-	55 S1-
320-80943-30	AOC3-S8D-0.5	60	63
320-80943-32	AOC3/AOC8-S8C-0.5	64	65
320-80943-34	AOC3-S7C-0.5	56	59
320-80943-36	AOC3-S6C-0.5	57	59
320-80943-38	AOC3-S7D-0.5	56	59
320-80943-40	AOC3-S5C-0.5	49 S1-	52 S1-
320-80943-40 MS	AOC3-S5C-0.5	47 S1-	51 S1-
320-80943-40 MSD	AOC3-S5C-0.5	61	63
LCS 320-539467/2-A	Lab Control Sample	63	70
LCS 320-539538/2-A	Lab Control Sample	75	70
LCS 320-539860/2-A	Lab Control Sample	83	71
MB 320-539467/1-A	Method Blank	54	60
MB 320-539538/1-A	Method Blank	73	71
MB 320-539860/1-A	Method Blank	80	68

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP1 (52-138)	TCX1 (56-114)
320-80943-42	AOC3-S4C-0.5	48 S1-	57
320-80943-44	AOC3-S3C-0.5	53	57
320-80943-46	AOC3-S1D-0.5	57	71
320-80943-48	AOC3/AOC8-S2D-0.5	56	71
320-80943-50	AOC3/AOC8-S1E-0.5	56	58
320-80943-52	AOC3-S2E-0.5	66	70
320-80943-54	AOC3-S3E-0.5	57	63
320-80943-56	AOC3-S3D-0.5	56	60
320-80943-58	AOC3-S4D-0.5	57	62
320-80943-60	AOC3-S4E-0.5	57	61
LCS 320-540587/2-A	Lab Control Sample	64	64
MB 320-540587/1-A	Method Blank	60	62

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 320-539206/1-A
Matrix: Solid
Analysis Batch: 541624

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539206

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		330	83	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Acenaphthylene	ND		330	85	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Anthracene	ND		330	86	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Benzo[a]anthracene	ND		330	92	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Benzoic acid	ND		1600	290	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Benzo[b]fluoranthene	ND		330	95	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Benzo[k]fluoranthene	ND		330	110	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Benzyl alcohol	ND		330	170	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Bis(2-chloroethoxy)methane	ND		330	88	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Bis(2-chloroethyl)ether	ND		330	81	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
4-Bromophenyl phenyl ether	ND		330	85	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Butyl benzyl phthalate	ND		330	95	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
2,4-Dimethylphenol	ND		330	170	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Dimethyl phthalate	ND		330	87	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
2-Methyl-4,6-dinitrophenol	ND		1600	81	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
2,4-Dinitrophenol	ND		1600	210	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
2,4-Dinitrotoluene	ND		330	89	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
2,6-Dinitrotoluene	ND		330	99	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Fluoranthene	ND		330	95	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Fluorene	ND		330	92	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Hexachlorobenzene	ND		330	89	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Hexachlorobutadiene	ND		330	82	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Hexachlorocyclopentadiene	ND		1600	62	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Hexachloroethane	ND		330	81	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
N-Nitrosodiphenylamine	ND		330	86	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
N-Nitrosodi-n-propylamine	ND		330	84	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
1,4-Dichlorobenzene	ND		330	77	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
2-Chloronaphthalene	ND		330	81	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
2-Chlorophenol	ND		330	88	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
4-Chlorophenyl phenyl ether	ND		330	93	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Chrysene	ND		330	84	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Dibenz(a,h)anthracene	ND		330	100	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Dibenzofuran	ND		330	86	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Benzo[g,h,i]perylene	ND		330	110	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Benzo[a]pyrene	ND		330	94	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Di-n-butyl phthalate	ND		330	97	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
1,2-Dichlorobenzene	ND		330	75	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
1,3-Dichlorobenzene	ND		330	78	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
3,3'-Dichlorobenzidine	ND		1600	94	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
2,4-Dichlorophenol	ND		330	89	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Diethyl phthalate	ND		330	90	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Indeno[1,2,3-cd]pyrene	ND		330	96	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Isophorone	ND		330	93	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
2-Methylnaphthalene	ND		330	85	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
2-Methylphenol	ND		330	58	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Naphthalene	ND		330	82	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
2-Nitroaniline	ND		1600	84	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
3-Nitroaniline	ND		1600	170	ug/Kg		11/02/21 11:54	11/11/21 09:37	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-539206/1-A
Matrix: Solid
Analysis Batch: 541624

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539206

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1600	88	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Nitrobenzene	ND		330	76	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
2-Nitrophenol	ND		330	82	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
4-Nitrophenol	ND		1600	280	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Pyrene	ND		330	94	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Pyridine	ND		660	72	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Pentachlorophenol	ND		1600	51	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Phenanthrene	ND		330	94	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
1,2,4-Trichlorobenzene	ND		330	83	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
2,4,5-Trichlorophenol	ND		330	83	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
2,4,6-Trichlorophenol	ND		330	84	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Phenol	ND		330	83	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Azobenzene	ND		330	92	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
4-Chloroaniline	ND		330	58	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Bis(2-ethylhexyl) phthalate	ND		330	98	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
Di-n-octyl phthalate	ND		330	97	ug/Kg		11/02/21 11:54	11/11/21 09:37	1
4-Chloro-3-methylphenol	ND		330	92	ug/Kg		11/02/21 11:54	11/11/21 09:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*84*		*53 - 113*	*11/02/21 11:54*	*11/11/21 09:37*	*1*
Nitrobenzene-d5	*72*		*54 - 114*	*11/02/21 11:54*	*11/11/21 09:37*	*1*
Terphenyl-d14	*96*		*66 - 126*	*11/02/21 11:54*	*11/11/21 09:37*	*1*
2,4,6-Tribromophenol	*78*		*60 - 120*	*11/02/21 11:54*	*11/11/21 09:37*	*1*
2-Fluorobiphenyl (Surr)	*83*		*47 - 107*	*11/02/21 11:54*	*11/11/21 09:37*	*1*
Phenol-d5	*83*		*54 - 114*	*11/02/21 11:54*	*11/11/21 09:37*	*1*

Lab Sample ID: LCS 320-539206/2-A
Matrix: Solid
Analysis Batch: 541624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539206

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	3330	2970		ug/Kg		89	48 - 108
Acenaphthylene	3330	3020		ug/Kg		91	50 - 110
Anthracene	3330	3110		ug/Kg		93	55 - 115
Benzo[a]anthracene	3330	3130		ug/Kg		94	62 - 122
Benzoic acid	6670	5340		ug/Kg		80	10 - 121
Benzo[b]fluoranthene	3330	3260		ug/Kg		98	64 - 124
Benzo[k]fluoranthene	3330	3130		ug/Kg		94	64 - 124
Benzyl alcohol	3330	3020		ug/Kg		91	53 - 113
Bis(2-chloroethoxy)methane	3330	2910		ug/Kg		87	50 - 110
Bis(2-chloroethyl)ether	3330	2760		ug/Kg		83	47 - 107
4-Bromophenyl phenyl ether	3330	3100		ug/Kg		93	57 - 117
Butyl benzyl phthalate	3330	3310		ug/Kg		99	66 - 126
2,4-Dimethylphenol	3330	3040		ug/Kg		91	53 - 113
Dimethyl phthalate	3330	3010		ug/Kg		90	53 - 113
2-Methyl-4,6-dinitrophenol	6670	5020		ug/Kg		75	33 - 107
2,4-Dinitrophenol	6670	4140		ug/Kg		62	10 - 100
2,4-Dinitrotoluene	3330	3080		ug/Kg		92	61 - 121

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-539206/2-A
Matrix: Solid
Analysis Batch: 541624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539206

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,6-Dinitrotoluene	3330	3110		ug/Kg		93	60 - 120
Fluoranthene	3330	3020		ug/Kg		90	57 - 117
Fluorene	3330	3000		ug/Kg		90	51 - 111
Hexachlorobenzene	3330	3020		ug/Kg		90	60 - 120
Hexachlorobutadiene	3330	2660		ug/Kg		80	46 - 106
Hexachlorocyclopentadiene	3330	2720		ug/Kg		82	41 - 101
Hexachloroethane	3330	2560		ug/Kg		77	44 - 104
N-Nitrosodiphenylamine	3330	3080		ug/Kg		92	55 - 115
N-Nitrosodi-n-propylamine	3330	2950		ug/Kg		88	50 - 110
1,4-Dichlorobenzene	3330	2600		ug/Kg		78	44 - 104
2-Chloronaphthalene	3330	2950		ug/Kg		88	47 - 107
2-Chlorophenol	3330	2900		ug/Kg		87	50 - 110
4-Chlorophenyl phenyl ether	3330	2960		ug/Kg		89	52 - 112
Chrysene	3330	3060		ug/Kg		92	59 - 119
Dibenz(a,h)anthracene	3330	3050		ug/Kg		91	64 - 124
Dibenzofuran	3330	2990		ug/Kg		90	50 - 110
Benzo[g,h,i]perylene	3330	3060		ug/Kg		92	64 - 124
Benzo[a]pyrene	3330	3170		ug/Kg		95	67 - 127
Di-n-butyl phthalate	3330	3200		ug/Kg		96	61 - 121
1,2-Dichlorobenzene	3330	2620		ug/Kg		79	44 - 104
1,3-Dichlorobenzene	3330	2550		ug/Kg		77	42 - 102
3,3'-Dichlorobenzidine	3330	2410		ug/Kg		72	33 - 93
2,4-Dichlorophenol	3330	3050		ug/Kg		92	56 - 116
Diethyl phthalate	3330	3010		ug/Kg		90	54 - 114
Indeno[1,2,3-cd]pyrene	3330	3160		ug/Kg		95	65 - 125
Isophorone	3330	2880		ug/Kg		86	50 - 110
2-Methylnaphthalene	3330	2910		ug/Kg		87	48 - 108
2-Methylphenol	3330	2980		ug/Kg		90	53 - 113
Naphthalene	3330	2800		ug/Kg		84	44 - 104
2-Nitroaniline	3330	3140		ug/Kg		94	60 - 120
3-Nitroaniline	3330	2580		ug/Kg		77	38 - 98
4-Nitroaniline	3330	3120		ug/Kg		94	57 - 117
Nitrobenzene	3330	2840		ug/Kg		85	50 - 110
2-Nitrophenol	3330	3060		ug/Kg		92	55 - 115
4-Nitrophenol	6670	5740		ug/Kg		86	57 - 117
Pyrene	3330	3170		ug/Kg		95	62 - 122
Pyridine	6670	4000		ug/Kg		60	28 - 88
Pentachlorophenol	6670	5850		ug/Kg		88	57 - 117
Phenanthrene	3330	3030		ug/Kg		91	53 - 113
1,2,4-Trichlorobenzene	3330	2730		ug/Kg		82	45 - 105
2,4,5-Trichlorophenol	3330	3110		ug/Kg		93	58 - 118
2,4,6-Trichlorophenol	3330	3050		ug/Kg		92	57 - 117
Phenol	3330	2970		ug/Kg		89	53 - 113
Azobenzene	3330	3100		ug/Kg		93	54 - 114
4-Chloroaniline	3330	2120		ug/Kg		64	29 - 89
Bis(2-ethylhexyl) phthalate	3330	3380		ug/Kg		102	66 - 126
Di-n-octyl phthalate	3330	3310		ug/Kg		99	66 - 126
4-Chloro-3-methylphenol	3330	3060		ug/Kg		92	61 - 121

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-539206/2-A
Matrix: Solid
Analysis Batch: 541624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539206

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol	86		53 - 113
Nitrobenzene-d5	89		54 - 114
Terphenyl-d14	95		66 - 126
2,4,6-Tribromophenol	90		60 - 120
2-Fluorobiphenyl (Surr)	86		47 - 107
Phenol-d5	88		54 - 114

Lab Sample ID: 320-80943-29 MS
Matrix: Solid
Analysis Batch: 542113

Client Sample ID: AOC3/AOC10-S9C-2
Prep Type: Total/NA
Prep Batch: 539206

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		3290	ND		ug/Kg		NC	48 - 108
Acenaphthylene	ND		3290	ND		ug/Kg		NC	50 - 110
Anthracene	ND		3290	ND		ug/Kg		NC	55 - 115
Benzo[a]anthracene	ND		3290	ND		ug/Kg		NC	62 - 122
Benzoic acid	ND		6580	ND		ug/Kg		NC	10 - 121
Benzo[b]fluoranthene	ND		3290	ND		ug/Kg		NC	64 - 124
Benzo[k]fluoranthene	ND		3290	ND		ug/Kg		NC	64 - 124
Benzyl alcohol	ND		3290	ND		ug/Kg		NC	53 - 113
Bis(2-chloroethoxy)methane	ND		3290	ND		ug/Kg		NC	50 - 110
Bis(2-chloroethyl)ether	ND		3290	ND		ug/Kg		NC	47 - 107
4-Bromophenyl phenyl ether	ND		3290	ND		ug/Kg		NC	57 - 117
Butyl benzyl phthalate	ND		3290	ND		ug/Kg		NC	66 - 126
2,4-Dimethylphenol	ND		3290	ND		ug/Kg		NC	53 - 113
Dimethyl phthalate	ND		3290	ND		ug/Kg		NC	53 - 113
2-Methyl-4,6-dinitrophenol	ND		6580	ND		ug/Kg		NC	33 - 107
2,4-Dinitrophenol	ND		6580	ND		ug/Kg		NC	10 - 100
2,4-Dinitrotoluene	ND		3290	ND		ug/Kg		NC	61 - 121
2,6-Dinitrotoluene	ND		3290	ND		ug/Kg		NC	60 - 120
Fluoranthene	ND		3290	ND		ug/Kg		NC	57 - 117
Fluorene	ND		3290	ND		ug/Kg		NC	51 - 111
Hexachlorobenzene	ND		3290	ND		ug/Kg		NC	60 - 120
Hexachlorobutadiene	ND		3290	ND		ug/Kg		NC	46 - 106
Hexachlorocyclopentadiene	ND		3290	ND		ug/Kg		NC	41 - 101
Hexachloroethane	ND		3290	ND		ug/Kg		NC	44 - 104
N-Nitrosodiphenylamine	ND		3290	ND		ug/Kg		NC	55 - 115
N-Nitrosodi-n-propylamine	ND		3290	ND		ug/Kg		NC	50 - 110
1,4-Dichlorobenzene	ND		3290	ND		ug/Kg		NC	44 - 104
2-Chloronaphthalene	ND		3290	ND		ug/Kg		NC	47 - 107
2-Chlorophenol	ND		3290	ND		ug/Kg		NC	50 - 110
4-Chlorophenyl phenyl ether	ND		3290	ND		ug/Kg		NC	52 - 112
Chrysene	ND		3290	ND		ug/Kg		NC	59 - 119
Dibenz(a,h)anthracene	ND		3290	ND		ug/Kg		NC	64 - 124
Dibenzofuran	ND		3290	ND		ug/Kg		NC	50 - 110
Benzo[g,h,i]perylene	ND		3290	ND		ug/Kg		NC	64 - 124
Benzo[a]pyrene	ND		3290	ND		ug/Kg		NC	67 - 127
Di-n-butyl phthalate	ND		3290	ND		ug/Kg		NC	61 - 121

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 320-80943-29 MS
Matrix: Solid
Analysis Batch: 542113

Client Sample ID: AOC3/AOC10-S9C-2
Prep Type: Total/NA
Prep Batch: 539206

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	ND		3290	ND		ug/Kg		NC	44 - 104
1,3-Dichlorobenzene	ND		3290	ND		ug/Kg		NC	42 - 102
3,3'-Dichlorobenzidine	ND		3290	ND		ug/Kg		NC	33 - 93
2,4-Dichlorophenol	ND		3290	ND		ug/Kg		NC	56 - 116
Diethyl phthalate	ND		3290	ND		ug/Kg		NC	54 - 114
Indeno[1,2,3-cd]pyrene	ND		3290	ND		ug/Kg		NC	65 - 125
Isophorone	ND		3290	ND		ug/Kg		NC	50 - 110
2-Methylnaphthalene	ND		3290	ND		ug/Kg		NC	48 - 108
2-Methylphenol	ND		3290	ND		ug/Kg		NC	53 - 113
Naphthalene	ND		3290	ND		ug/Kg		NC	44 - 104
2-Nitroaniline	ND		3290	ND		ug/Kg		NC	60 - 120
3-Nitroaniline	ND		3290	ND		ug/Kg		NC	38 - 98
4-Nitroaniline	ND		3290	ND		ug/Kg		NC	57 - 117
Nitrobenzene	ND		3290	ND		ug/Kg		NC	50 - 110
2-Nitrophenol	ND		3290	ND		ug/Kg		NC	55 - 115
4-Nitrophenol	ND		6580	ND		ug/Kg		NC	57 - 117
Pyrene	ND		3290	ND		ug/Kg		NC	62 - 122
Pyridine	ND		6580	ND		ug/Kg		NC	28 - 88
Pentachlorophenol	ND		6580	ND		ug/Kg		NC	57 - 117
Phenanthrene	ND		3290	ND		ug/Kg		NC	53 - 113
1,2,4-Trichlorobenzene	ND		3290	ND		ug/Kg		NC	45 - 105
2,4,5-Trichlorophenol	ND		3290	ND		ug/Kg		NC	58 - 118
2,4,6-Trichlorophenol	ND		3290	ND		ug/Kg		NC	57 - 117
Phenol	ND		3290	ND		ug/Kg		NC	53 - 113
Azobenzene	ND		3290	ND		ug/Kg		NC	54 - 114
4-Chloroaniline	ND		3290	ND		ug/Kg		NC	29 - 89
Bis(2-ethylhexyl) phthalate	ND		3290	ND		ug/Kg		NC	66 - 126
Di-n-octyl phthalate	ND		3290	ND		ug/Kg		NC	66 - 126
4-Chloro-3-methylphenol	ND		3290	ND		ug/Kg		NC	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorophenol	*0*	*S1-*	*53 - 113*
Nitrobenzene-d5	*0*	*S1-*	*54 - 114*
Terphenyl-d14	*0*	*S1-*	*66 - 126*
2,4,6-Tribromophenol	*0*	*S1-*	*60 - 120*
2-Fluorobiphenyl (Surr)	*98*		*47 - 107*
Phenol-d5	*0*	*S1-*	*54 - 114*

Lab Sample ID: 320-80943-29 MSD
Matrix: Solid
Analysis Batch: 542113

Client Sample ID: AOC3/AOC10-S9C-2
Prep Type: Total/NA
Prep Batch: 539206

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		3270	ND		ug/Kg		NC	48 - 108	NC	30
Acenaphthylene	ND		3270	ND		ug/Kg		NC	50 - 110	NC	30
Anthracene	ND		3270	ND		ug/Kg		NC	55 - 115	NC	30
Benzo[a]anthracene	ND		3270	ND		ug/Kg		NC	62 - 122	NC	30
Benzoic acid	ND		6540	ND		ug/Kg		NC	10 - 121	NC	30

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 320-80943-29 MSD
Matrix: Solid
Analysis Batch: 542113

Client Sample ID: AOC3/AOC10-S9C-2
Prep Type: Total/NA
Prep Batch: 539206

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[b]fluoranthene	ND		3270	ND		ug/Kg		NC	64 - 124	NC	30
Benzo[k]fluoranthene	ND		3270	ND		ug/Kg		NC	64 - 124	NC	30
Benzyl alcohol	ND		3270	ND		ug/Kg		NC	53 - 113	NC	30
Bis(2-chloroethoxy)methane	ND		3270	ND		ug/Kg		NC	50 - 110	NC	30
Bis(2-chloroethyl)ether	ND		3270	ND		ug/Kg		NC	47 - 107	NC	30
4-Bromophenyl phenyl ether	ND		3270	ND		ug/Kg		NC	57 - 117	NC	30
Butyl benzyl phthalate	ND		3270	ND		ug/Kg		NC	66 - 126	NC	30
2,4-Dimethylphenol	ND		3270	ND		ug/Kg		NC	53 - 113	NC	30
Dimethyl phthalate	ND		3270	ND		ug/Kg		NC	53 - 113	NC	30
2-Methyl-4,6-dinitrophenol	ND		6540	ND		ug/Kg		NC	33 - 107	NC	30
2,4-Dinitrophenol	ND		6540	ND		ug/Kg		NC	10 - 100	NC	30
2,4-Dinitrotoluene	ND		3270	ND		ug/Kg		NC	61 - 121	NC	30
2,6-Dinitrotoluene	ND		3270	ND		ug/Kg		NC	60 - 120	NC	30
Fluoranthene	ND		3270	ND		ug/Kg		NC	57 - 117	NC	30
Fluorene	ND		3270	ND		ug/Kg		NC	51 - 111	NC	30
Hexachlorobenzene	ND		3270	ND		ug/Kg		NC	60 - 120	NC	30
Hexachlorobutadiene	ND		3270	ND		ug/Kg		NC	46 - 106	NC	30
Hexachlorocyclopentadiene	ND		3270	ND		ug/Kg		NC	41 - 101	NC	30
Hexachloroethane	ND		3270	ND		ug/Kg		NC	44 - 104	NC	30
N-Nitrosodiphenylamine	ND		3270	ND		ug/Kg		NC	55 - 115	NC	30
N-Nitrosodi-n-propylamine	ND		3270	ND		ug/Kg		NC	50 - 110	NC	30
1,4-Dichlorobenzene	ND		3270	ND		ug/Kg		NC	44 - 104	NC	30
2-Chloronaphthalene	ND		3270	ND		ug/Kg		NC	47 - 107	NC	30
2-Chlorophenol	ND		3270	ND		ug/Kg		NC	50 - 110	NC	30
4-Chlorophenyl phenyl ether	ND		3270	ND		ug/Kg		NC	52 - 112	NC	30
Chrysene	ND		3270	ND		ug/Kg		NC	59 - 119	NC	30
Dibenz(a,h)anthracene	ND		3270	ND		ug/Kg		NC	64 - 124	NC	30
Dibenzofuran	ND		3270	ND		ug/Kg		NC	50 - 110	NC	30
Benzo[g,h,i]perylene	ND		3270	ND		ug/Kg		NC	64 - 124	NC	30
Benzo[a]pyrene	ND		3270	ND		ug/Kg		NC	67 - 127	NC	30
Di-n-butyl phthalate	ND		3270	ND		ug/Kg		NC	61 - 121	NC	30
1,2-Dichlorobenzene	ND		3270	ND		ug/Kg		NC	44 - 104	NC	30
1,3-Dichlorobenzene	ND		3270	ND		ug/Kg		NC	42 - 102	NC	30
3,3'-Dichlorobenzidine	ND		3270	ND		ug/Kg		NC	33 - 93	NC	30
2,4-Dichlorophenol	ND		3270	ND		ug/Kg		NC	56 - 116	NC	30
Diethyl phthalate	ND		3270	ND		ug/Kg		NC	54 - 114	NC	30
Indeno[1,2,3-cd]pyrene	ND		3270	ND		ug/Kg		NC	65 - 125	NC	30
Isophorone	ND		3270	ND		ug/Kg		NC	50 - 110	NC	30
2-Methylnaphthalene	ND		3270	ND		ug/Kg		NC	48 - 108	NC	30
2-Methylphenol	ND		3270	ND		ug/Kg		NC	53 - 113	NC	30
Naphthalene	ND		3270	ND		ug/Kg		NC	44 - 104	NC	30
2-Nitroaniline	ND		3270	ND		ug/Kg		NC	60 - 120	NC	30
3-Nitroaniline	ND		3270	ND		ug/Kg		NC	38 - 98	NC	30
4-Nitroaniline	ND		3270	ND		ug/Kg		NC	57 - 117	NC	30
Nitrobenzene	ND		3270	ND		ug/Kg		NC	50 - 110	NC	30
2-Nitrophenol	ND		3270	ND		ug/Kg		NC	55 - 115	NC	30
4-Nitrophenol	ND		6540	ND		ug/Kg		NC	57 - 117	NC	30
Pyrene	ND		3270	ND		ug/Kg		NC	62 - 122	NC	30
Pyridine	ND		6540	ND		ug/Kg		NC	28 - 88	NC	30

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 320-80943-29 MSD
Matrix: Solid
Analysis Batch: 542113

Client Sample ID: AOC3/AOC10-S9C-2
Prep Type: Total/NA
Prep Batch: 539206

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pentachlorophenol	ND		6540	ND		ug/Kg		NC	57 - 117	NC	30
Phenanthrene	ND		3270	ND		ug/Kg		NC	53 - 113	NC	30
1,2,4-Trichlorobenzene	ND		3270	ND		ug/Kg		NC	45 - 105	NC	30
2,4,5-Trichlorophenol	ND		3270	ND		ug/Kg		NC	58 - 118	NC	30
2,4,6-Trichlorophenol	ND		3270	ND		ug/Kg		NC	57 - 117	NC	30
Phenol	ND		3270	ND		ug/Kg		NC	53 - 113	NC	30
Azobenzene	ND		3270	ND		ug/Kg		NC	54 - 114	NC	30
4-Chloroaniline	ND		3270	ND		ug/Kg		NC	29 - 89	NC	30
Bis(2-ethylhexyl) phthalate	ND		3270	ND		ug/Kg		NC	66 - 126	NC	30
Di-n-octyl phthalate	ND		3270	ND		ug/Kg		NC	66 - 126	NC	30
4-Chloro-3-methylphenol	ND		3270	ND		ug/Kg		NC	61 - 121	NC	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorophenol	*0*	*S1-*	*53 - 113*
Nitrobenzene-d5	*0*	*S1-*	*54 - 114*
Terphenyl-d14	*0*	*S1-*	*66 - 126*
2,4,6-Tribromophenol	*0*	*S1-*	*60 - 120*
2-Fluorobiphenyl (Surr)	*110*	*S1+*	*47 - 107*
Phenol-d5	*0*	*S1-*	*54 - 114*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 320-539143/1-A
Matrix: Solid
Analysis Batch: 540863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539143

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.63	ug/Kg		11/02/21 09:36	11/08/21 10:05	1
Acenaphthylene	ND		5.0	0.66	ug/Kg		11/02/21 09:36	11/08/21 10:05	1
Anthracene	ND		5.0	0.67	ug/Kg		11/02/21 09:36	11/08/21 10:05	1
Benzo[a]anthracene	ND		5.0	0.71	ug/Kg		11/02/21 09:36	11/08/21 10:05	1
Benzo[a]pyrene	ND		5.0	0.70	ug/Kg		11/02/21 09:36	11/08/21 10:05	1
Benzo[b]fluoranthene	ND		5.0	0.77	ug/Kg		11/02/21 09:36	11/08/21 10:05	1
Benzo[g,h,i]perylene	ND		5.0	0.72	ug/Kg		11/02/21 09:36	11/08/21 10:05	1
Benzo[k]fluoranthene	ND		5.0	0.72	ug/Kg		11/02/21 09:36	11/08/21 10:05	1
Chrysene	ND		5.0	0.72	ug/Kg		11/02/21 09:36	11/08/21 10:05	1
Dibenz(a,h)anthracene	ND		5.0	0.77	ug/Kg		11/02/21 09:36	11/08/21 10:05	1
Fluoranthene	ND		5.0	0.81	ug/Kg		11/02/21 09:36	11/08/21 10:05	1
Fluorene	ND		5.0	0.64	ug/Kg		11/02/21 09:36	11/08/21 10:05	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.77	ug/Kg		11/02/21 09:36	11/08/21 10:05	1
Naphthalene	ND		5.0	0.67	ug/Kg		11/02/21 09:36	11/08/21 10:05	1
Phenanthrene	ND		5.0	0.72	ug/Kg		11/02/21 09:36	11/08/21 10:05	1
Pyrene	ND		5.0	0.75	ug/Kg		11/02/21 09:36	11/08/21 10:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*97*		*53 - 121*	*11/02/21 09:36*	*11/08/21 10:05*	*1*
Fluoranthene-d10 (Surr)	*86*		*50 - 150*	*11/02/21 09:36*	*11/08/21 10:05*	*1*
2-methylnaphthalene-d10	*86*		*50 - 150*	*11/02/21 09:36*	*11/08/21 10:05*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 320-539143/1-A
Matrix: Solid
Analysis Batch: 540863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539143

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	89		43 - 109	11/02/21 09:36	11/08/21 10:05	1
Nitrobenzene-d5 (Surr)	85		49 - 114	11/02/21 09:36	11/08/21 10:05	1

Lab Sample ID: LCS 320-539143/2-A
Matrix: Solid
Analysis Batch: 540863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539143

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	25.0	19.1		ug/Kg		76	54 - 97
Acenaphthylene	25.0	18.3		ug/Kg		73	52 - 99
Anthracene	25.0	19.5		ug/Kg		78	52 - 102
Benzo[a]anthracene	25.0	20.6		ug/Kg		82	55 - 109
Benzo[a]pyrene	25.0	22.1		ug/Kg		88	54 - 110
Benzo[b]fluoranthene	25.0	20.9		ug/Kg		83	52 - 112
Benzo[g,h,i]perylene	25.0	19.7		ug/Kg		79	51 - 119
Benzo[k]fluoranthene	25.0	22.2		ug/Kg		89	56 - 106
Chrysene	25.0	22.2		ug/Kg		89	54 - 110
Dibenz(a,h)anthracene	25.0	20.1		ug/Kg		80	55 - 119
Fluoranthene	25.0	19.9		ug/Kg		80	53 - 110
Fluorene	25.0	19.9		ug/Kg		79	53 - 100
Indeno[1,2,3-cd]pyrene	25.0	18.2		ug/Kg		73	52 - 120
Naphthalene	25.0	19.7		ug/Kg		79	55 - 100
Phenanthrene	25.0	20.2		ug/Kg		81	54 - 98
Pyrene	25.0	19.4		ug/Kg		77	53 - 108

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	94		53 - 121
Fluoranthene-d10 (Surr)	86		50 - 150
2-methylnaphthalene-d10	87		50 - 150
2-Fluorobiphenyl (Surr)	92		43 - 109
Nitrobenzene-d5 (Surr)	87		49 - 114

Lab Sample ID: 320-80943-29 MS
Matrix: Solid
Analysis Batch: 540863

Client Sample ID: AOC3/AOC10-S9C-2
Prep Type: Total/NA
Prep Batch: 539143

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		23.5	ND		ug/Kg		NC	54 - 97
Acenaphthylene	ND		23.5	ND		ug/Kg		NC	52 - 99
Anthracene	ND		23.5	ND		ug/Kg		NC	52 - 102
Benzo[a]anthracene	ND	F2	23.5	40.0	J	ug/Kg		NC	55 - 109
Benzo[a]pyrene	ND	F2	23.5	58.8	J	ug/Kg		NC	54 - 110
Benzo[b]fluoranthene	ND	F2	23.5	69.3	J	ug/Kg		NC	52 - 112
Benzo[g,h,i]perylene	45	J F2 F1	23.5	62.8	J	ug/Kg		75	51 - 119
Benzo[k]fluoranthene	ND		23.5	ND		ug/Kg		NC	56 - 106
Chrysene	ND	F2	23.5	75.7	J	ug/Kg		NC	54 - 110
Dibenz(a,h)anthracene	ND		23.5	ND		ug/Kg		NC	55 - 119
Fluoranthene	ND		23.5	ND		ug/Kg		NC	53 - 110

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 320-80943-29 MS
Matrix: Solid
Analysis Batch: 540863

Client Sample ID: AOC3/AOC10-S9C-2
Prep Type: Total/NA
Prep Batch: 539143

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	ND		23.5	ND		ug/Kg		NC	53 - 100
Indeno[1,2,3-cd]pyrene	ND	F2	23.5	42.3	J	ug/Kg		NC	52 - 120
Naphthalene	ND		23.5	ND		ug/Kg		NC	55 - 100
Phenanthrene	ND		23.5	ND		ug/Kg		NC	54 - 98
Pyrene	ND	F2	23.5	47.9	J	ug/Kg		NC	53 - 108

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Terphenyl-d14	*100*		*53 - 121*
Fluoranthene-d10 (Surr)	*86*		*50 - 150*
2-methylnaphthalene-d10	*76*		*50 - 150*
2-Fluorobiphenyl (Surr)	*85*		*43 - 109*
Nitrobenzene-d5 (Surr)	*88*		*49 - 114*

Lab Sample ID: 320-80943-29 MSD
Matrix: Solid
Analysis Batch: 540863

Client Sample ID: AOC3/AOC10-S9C-2
Prep Type: Total/NA
Prep Batch: 539143

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		23.5	ND		ug/Kg		NC	54 - 97	NC	30
Acenaphthylene	ND		23.5	31.5	J	ug/Kg		NC	52 - 99	NC	30
Anthracene	ND		23.5	55.0	J	ug/Kg		NC	52 - 102	NC	30
Benzo[a]anthracene	ND	F2	23.5	173	J F2	ug/Kg		NC	55 - 109	125	30
Benzo[a]pyrene	ND	F2	23.5	216	J F2	ug/Kg		NC	54 - 110	114	30
Benzo[b]fluoranthene	ND	F2	23.5	207	J F2	ug/Kg		NC	52 - 112	100	30
Benzo[g,h,i]perylene	45	J F2 F1	23.5	116	J F1 F2	ug/Kg		301	51 - 119	59	30
Benzo[k]fluoranthene	ND		23.5	100	J	ug/Kg		NC	56 - 106	NC	30
Chrysene	ND	F2	23.5	205	J F2	ug/Kg		NC	54 - 110	92	30
Dibenz(a,h)anthracene	ND		23.5	47.6	J	ug/Kg		NC	55 - 119	NC	30
Fluoranthene	ND		23.5	252		ug/Kg		NC	53 - 110	NC	30
Fluorene	ND		23.5	ND		ug/Kg		NC	53 - 100	NC	30
Indeno[1,2,3-cd]pyrene	ND	F2	23.5	100	J F2	ug/Kg		NC	52 - 120	81	30
Naphthalene	ND		23.5	ND		ug/Kg		NC	55 - 100	NC	30
Phenanthrene	ND		23.5	132	J	ug/Kg		NC	54 - 98	NC	30
Pyrene	ND	F2	23.5	377	F2	ug/Kg		NC	53 - 108	155	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Terphenyl-d14	*93*		*53 - 121*
Fluoranthene-d10 (Surr)	*100*		*50 - 150*
2-methylnaphthalene-d10	*84*		*50 - 150*
2-Fluorobiphenyl (Surr)	*81*		*43 - 109*
Nitrobenzene-d5 (Surr)	*69*		*49 - 114*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 320-539466/1-A
Matrix: Solid
Analysis Batch: 542519

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
Aldrin	ND		1.7	0.14	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
Chlordane (technical)	ND		20	9.4	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
Endrin	ND		1.7	0.20	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/03/21 07:57	11/13/21 14:40	1
Toxaphene	ND		67	22	ug/Kg		11/03/21 07:57	11/13/21 14:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*46 - 109*	*11/03/21 07:57*	*11/13/21 14:40*	*1*
DCB Decachlorobiphenyl	*75*		*46 - 109*	*11/03/21 07:57*	*11/13/21 14:40*	*1*
Tetrachloro-m-xylene	*65*		*47 - 107*	*11/03/21 07:57*	*11/13/21 14:40*	*1*
Tetrachloro-m-xylene	*61*		*47 - 107*	*11/03/21 07:57*	*11/13/21 14:40*	*1*

Lab Sample ID: LCS 320-539466/2-A
Matrix: Solid
Analysis Batch: 542519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539466

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	14.1		ug/Kg		85	53 - 117
4,4'-DDE	16.7	13.6		ug/Kg		82	58 - 115
4,4'-DDT	16.7	15.2		ug/Kg		91	53 - 128
Aldrin	16.7	13.4		ug/Kg		81	55 - 109
alpha-BHC	16.7	13.0		ug/Kg		78	54 - 111
cis-Chlordane	16.7	13.5		ug/Kg		81	54 - 113
beta-BHC	16.7	13.0		ug/Kg		78	53 - 115
delta-BHC	16.7	13.5		ug/Kg		81	39 - 124
Dieldrin	16.7	14.2		ug/Kg		85	54 - 117
Endosulfan I	16.7	11.4		ug/Kg		69	42 - 118
Endosulfan II	16.7	13.5		ug/Kg		81	48 - 118
Endosulfan sulfate	16.7	14.8		ug/Kg		89	51 - 113
Endrin	16.7	14.1		ug/Kg		85	58 - 115
Endrin aldehyde	16.7	12.7		ug/Kg		76	40 - 100

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 320-539466/2-A
Matrix: Solid
Analysis Batch: 542519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539466

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin ketone	16.7	14.4		ug/Kg		86	51 - 118
trans-Chlordane	16.7	12.8		ug/Kg		77	55 - 114
gamma-BHC (Lindane)	16.7	13.3		ug/Kg		80	54 - 112
Heptachlor	16.7	13.3		ug/Kg		80	50 - 118
Heptachlor epoxide	16.7	13.2		ug/Kg		79	56 - 113
Methoxychlor	16.7	15.1		ug/Kg		90	52 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*58*		*46 - 109*
Tetrachloro-m-xylene	*63*		*47 - 107*

Lab Sample ID: 320-80943-16 MS
Matrix: Solid
Analysis Batch: 542519

Client Sample ID: AOC3-S6B-2
Prep Type: Total/NA
Prep Batch: 539466

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		15.7	11.6		ug/Kg		74	53 - 117
4,4'-DDE	ND		15.7	10.2		ug/Kg		65	58 - 115
4,4'-DDT	ND		15.7	9.65		ug/Kg		61	53 - 128
Aldrin	ND		15.7	11.8		ug/Kg		75	55 - 109
alpha-BHC	ND		15.7	11.5		ug/Kg		73	54 - 111
cis-Chlordane	ND		15.7	10.2		ug/Kg		65	54 - 113
beta-BHC	ND		15.7	12.0		ug/Kg		77	53 - 115
delta-BHC	ND		15.7	11.8		ug/Kg		75	39 - 124
Dieldrin	ND		15.7	10.6		ug/Kg		67	54 - 117
Endosulfan I	ND		15.7	8.40		ug/Kg		53	42 - 118
Endosulfan II	ND		15.7	9.98		ug/Kg		63	48 - 118
Endosulfan sulfate	ND		15.7	10.4		ug/Kg		66	51 - 113
Endrin	ND		15.7	10.7		ug/Kg		68	58 - 115
Endrin aldehyde	ND		15.7	8.38		ug/Kg		53	40 - 100
Endrin ketone	ND		15.7	10.2		ug/Kg		65	51 - 118
trans-Chlordane	ND		15.7	10.0		ug/Kg		64	55 - 114
gamma-BHC (Lindane)	ND		15.7	11.8		ug/Kg		75	54 - 112
Heptachlor	ND		15.7	11.5		ug/Kg		73	50 - 118
Heptachlor epoxide	ND		15.7	10.6		ug/Kg		67	56 - 113
Methoxychlor	ND		15.7	10.1		ug/Kg		65	52 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*43*	*S1-*	*46 - 109*
Tetrachloro-m-xylene	*64*		*47 - 107*

Lab Sample ID: 320-80943-16 MSD
Matrix: Solid
Analysis Batch: 542519

Client Sample ID: AOC3-S6B-2
Prep Type: Total/NA
Prep Batch: 539466

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		16.2	10.9		ug/Kg		67	53 - 117	6	30
4,4'-DDE	ND		16.2	10.4		ug/Kg		64	58 - 115	3	30

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 320-80943-16 MSD
Matrix: Solid
Analysis Batch: 542519

Client Sample ID: AOC3-S6B-2
Prep Type: Total/NA
Prep Batch: 539466

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDT	ND		16.2	9.05		ug/Kg		56	53 - 128	6	30
Aldrin	ND		16.2	11.4		ug/Kg		71	55 - 109	3	30
alpha-BHC	ND		16.2	11.2		ug/Kg		69	54 - 111	3	30
cis-Chlordane	ND		16.2	10.4		ug/Kg		65	54 - 113	2	30
beta-BHC	ND		16.2	11.4		ug/Kg		71	53 - 115	5	30
delta-BHC	ND		16.2	11.2		ug/Kg		69	39 - 124	5	30
Dieldrin	ND		16.2	10.2		ug/Kg		63	54 - 117	4	30
Endosulfan I	ND		16.2	8.58		ug/Kg		53	42 - 118	2	30
Endosulfan II	ND		16.2	9.38		ug/Kg		58	48 - 118	6	30
Endosulfan sulfate	ND		16.2	10.1		ug/Kg		63	51 - 113	2	30
Endrin	ND		16.2	10.3		ug/Kg		63	58 - 115	5	30
Endrin aldehyde	ND		16.2	7.86		ug/Kg		49	40 - 100	6	30
Endrin ketone	ND		16.2	10.0		ug/Kg		62	51 - 118	1	30
trans-Chlordane	ND		16.2	10.1		ug/Kg		62	55 - 114	1	30
gamma-BHC (Lindane)	ND		16.2	11.4		ug/Kg		70	54 - 112	4	30
Heptachlor	ND		16.2	11.2		ug/Kg		69	50 - 118	3	30
Heptachlor epoxide	ND		16.2	10.5		ug/Kg		65	56 - 113	0	30
Methoxychlor	ND		16.2	9.74		ug/Kg		60	52 - 123	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*41*	*S1-*	*46 - 109*
Tetrachloro-m-xylene	*64*		*47 - 107*

Lab Sample ID: MB 320-539525/1-A
Matrix: Solid
Analysis Batch: 541896

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539525

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
4,4'-DDE	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
4,4'-DDT	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
Aldrin	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
alpha-BHC	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
cis-Chlordane	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
beta-BHC	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
Chlordane (technical)	ND		20		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
delta-BHC	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
Dieldrin	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
Endosulfan I	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
Endosulfan II	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
Endosulfan sulfate	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
Endrin	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
Endrin aldehyde	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
Endrin ketone	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
trans-Chlordane	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
gamma-BHC (Lindane)	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
Heptachlor	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
Heptachlor epoxide	ND		1.7		ug/Kg		11/03/21 10:14	11/11/21 21:46	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 320-539525/1-A
Matrix: Solid
Analysis Batch: 541896

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539525

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	ND		3.4		ug/Kg		11/03/21 10:14	11/11/21 21:46	1
Toxaphene	ND		67		ug/Kg		11/03/21 10:14	11/11/21 21:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*46 - 109*	*11/03/21 10:14*	*11/11/21 21:46*	*1*
DCB Decachlorobiphenyl	*68*		*46 - 109*	*11/03/21 10:14*	*11/11/21 21:46*	*1*
Tetrachloro-m-xylene	*67*		*47 - 107*	*11/03/21 10:14*	*11/11/21 21:46*	*1*
Tetrachloro-m-xylene	*67*		*47 - 107*	*11/03/21 10:14*	*11/11/21 21:46*	*1*

Lab Sample ID: LCS 320-539525/2-A
Matrix: Solid
Analysis Batch: 541896

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539525

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	12.4		ug/Kg		75	53 - 117
4,4'-DDE	16.7	12.3		ug/Kg		74	58 - 115
4,4'-DDT	16.7	13.0		ug/Kg		78	53 - 128
Aldrin	16.7	12.3		ug/Kg		74	55 - 109
alpha-BHC	16.7	11.7		ug/Kg		70	54 - 111
cis-Chlordane	16.7	12.0		ug/Kg		72	54 - 113
beta-BHC	16.7	12.2		ug/Kg		73	53 - 115
delta-BHC	16.7	11.9		ug/Kg		71	39 - 124
Dieldrin	16.7	12.4		ug/Kg		74	54 - 117
Endosulfan I	16.7	10.0		ug/Kg		60	42 - 118
Endosulfan II	16.7	11.6		ug/Kg		70	48 - 118
Endosulfan sulfate	16.7	12.6		ug/Kg		76	51 - 113
Endrin	16.7	12.3		ug/Kg		74	58 - 115
Endrin aldehyde	16.7	10.0		ug/Kg		60	40 - 100
Endrin ketone	16.7	12.3		ug/Kg		74	51 - 118
trans-Chlordane	16.7	11.4		ug/Kg		68	55 - 114
gamma-BHC (Lindane)	16.7	12.1		ug/Kg		72	54 - 112
Heptachlor	16.7	12.1		ug/Kg		73	50 - 118
Heptachlor epoxide	16.7	11.8		ug/Kg		71	56 - 113
Methoxychlor	16.7	13.0		ug/Kg		78	52 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*60*		*46 - 109*
Tetrachloro-m-xylene	*76*		*47 - 107*

Lab Sample ID: 320-80943-19 MS
Matrix: Solid
Analysis Batch: 542188

Client Sample ID: AOC3-S7A-0.5
Prep Type: Total/NA
Prep Batch: 539525

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		16.5	7.36	J F1	ug/Kg		44	53 - 117
4,4'-DDE	ND		16.5	10.6	J	ug/Kg		64	58 - 115
4,4'-DDT	ND	F2	16.5	12.4	J	ug/Kg		75	53 - 128
Aldrin	ND		16.5	10.1	J	ug/Kg		61	55 - 109

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 320-80943-19 MS
Matrix: Solid
Analysis Batch: 542188

Client Sample ID: AOC3-S7A-0.5
Prep Type: Total/NA
Prep Batch: 539525

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
alpha-BHC	ND		16.5	11.5	J	ug/Kg		70	54 - 111
cis-Chlordane	ND		16.5	9.26	J	ug/Kg		56	54 - 113
beta-BHC	ND		16.5	9.76	J	ug/Kg		59	53 - 115
delta-BHC	ND		16.5	9.56	J	ug/Kg		58	39 - 124
Dieldrin	ND		16.5	8.31	J F1	ug/Kg		50	54 - 117
Endosulfan I	ND		16.5	7.57	J	ug/Kg		46	42 - 118
Endosulfan II	ND	F1	16.5	6.47	J F1	ug/Kg		39	48 - 118
Endosulfan sulfate	ND	F1	16.5	5.69	J F1	ug/Kg		34	51 - 113
Endrin	ND	F1	16.5	7.94	J F1	ug/Kg		48	58 - 115
Endrin aldehyde	ND	F1	16.5	6.02	J F1	ug/Kg		36	40 - 100
Endrin ketone	ND	F1	16.5	7.62	J F1	ug/Kg		46	51 - 118
trans-Chlordane	ND		16.5	8.07	J F1	ug/Kg		49	55 - 114
gamma-BHC (Lindane)	ND		16.5	11.0	J	ug/Kg		66	54 - 112
Heptachlor	ND		16.5	12.1	J	ug/Kg		73	50 - 118
Heptachlor epoxide	ND		16.5	9.04	J F1	ug/Kg		55	56 - 113
Methoxychlor	ND		16.5	9.60	J	ug/Kg		58	52 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*84*		*46 - 109*
Tetrachloro-m-xylene	*68*		*47 - 107*

Lab Sample ID: 320-80943-19 MSD
Matrix: Solid
Analysis Batch: 542188

Client Sample ID: AOC3-S7A-0.5
Prep Type: Total/NA
Prep Batch: 539525

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		16.7	6.98	J F1	ug/Kg		42	53 - 117	5	30
4,4'-DDE	ND		16.7	9.38	J F1	ug/Kg		56	58 - 115	12	30
4,4'-DDT	ND	F2	16.7	9.25	J	ug/Kg		56	53 - 128	29	30
Aldrin	ND		16.7	8.87	J F1	ug/Kg		53	55 - 109	13	30
alpha-BHC	ND		16.7	10.3	J	ug/Kg		62	54 - 111	12	30
cis-Chlordane	ND		16.7	8.91	J F1	ug/Kg		53	54 - 113	4	30
beta-BHC	ND		16.7	10.6	J	ug/Kg		64	53 - 115	9	30
delta-BHC	ND		16.7	9.30	J	ug/Kg		56	39 - 124	3	30
Dieldrin	ND		16.7	7.93	J F1	ug/Kg		48	54 - 117	5	30
Endosulfan I	ND		16.7	7.62	J	ug/Kg		46	42 - 118	1	30
Endosulfan II	ND	F1	16.7	6.22	J F1	ug/Kg		37	48 - 118	4	30
Endosulfan sulfate	ND	F1	16.7	5.65	J F1	ug/Kg		34	51 - 113	1	30
Endrin	ND	F1	16.7	7.77	J F1	ug/Kg		47	58 - 115	11	30
Endrin aldehyde	ND	F1	16.7	5.81	J F1	ug/Kg		35	40 - 100	4	30
Endrin ketone	ND	F1	16.7	8.01	J F1	ug/Kg		48	51 - 118	5	30
trans-Chlordane	ND		16.7	7.75	J F1	ug/Kg		47	55 - 114	4	30
gamma-BHC (Lindane)	ND		16.7	10.1	J	ug/Kg		60	54 - 112	11	30
Heptachlor	ND		16.7	11.1	J	ug/Kg		67	50 - 118	9	30
Heptachlor epoxide	ND		16.7	8.31	J F1	ug/Kg		50	56 - 113	8	30
Methoxychlor	ND		16.7	9.99	J	ug/Kg		60	52 - 123	4	30

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 320-80943-19 MSD
Matrix: Solid
Analysis Batch: 542188

Client Sample ID: AOC3-S7A-0.5
Prep Type: Total/NA
Prep Batch: 539525

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	93		46 - 109
Tetrachloro-m-xylene	82		47 - 107

Lab Sample ID: MB 320-539858/1-A
Matrix: Solid
Analysis Batch: 541611

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539858

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
Aldrin	ND		1.7	0.14	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
Chlordane (technical)	ND		20	9.4	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
Endrin	ND		1.7	0.20	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/04/21 09:18	11/10/21 18:21	1
Toxaphene	ND		67	22	ug/Kg		11/04/21 09:18	11/10/21 18:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	57		46 - 109	11/04/21 09:18	11/10/21 18:21	1
DCB Decachlorobiphenyl	82		46 - 109	11/04/21 09:18	11/10/21 18:21	1
Tetrachloro-m-xylene	74		47 - 107	11/04/21 09:18	11/10/21 18:21	1
Tetrachloro-m-xylene	68		47 - 107	11/04/21 09:18	11/10/21 18:21	1

Lab Sample ID: LCS 320-539858/2-A
Matrix: Solid
Analysis Batch: 541611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539858

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	10.8		ug/Kg		65	53 - 117
4,4'-DDE	16.7	10.6		ug/Kg		64	58 - 115
4,4'-DDT	16.7	11.2		ug/Kg		67	53 - 128
Aldrin	16.7	10.5		ug/Kg		63	55 - 109
alpha-BHC	16.7	9.95		ug/Kg		60	54 - 111
cis-Chlordane	16.7	10.2		ug/Kg		61	54 - 113

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 320-539858/2-A
Matrix: Solid
Analysis Batch: 541611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539858

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
beta-BHC	16.7	10.2		ug/Kg		61	53 - 115
delta-BHC	16.7	10.2		ug/Kg		61	39 - 124
Dieldrin	16.7	10.7		ug/Kg		64	54 - 117
Endosulfan I	16.7	8.65		ug/Kg		52	42 - 118
Endosulfan II	16.7	10.1		ug/Kg		60	48 - 118
Endosulfan sulfate	16.7	11.1		ug/Kg		67	51 - 113
Endrin	16.7	10.7		ug/Kg		64	58 - 115
Endrin aldehyde	16.7	10.0		ug/Kg		60	40 - 100
Endrin ketone	16.7	10.8		ug/Kg		65	51 - 118
trans-Chlordane	16.7	9.70		ug/Kg		58	55 - 114
gamma-BHC (Lindane)	16.7	10.2		ug/Kg		61	54 - 112
Heptachlor	16.7	10.3		ug/Kg		62	50 - 118
Heptachlor epoxide	16.7	10.2		ug/Kg		61	56 - 113
Methoxychlor	16.7	11.3		ug/Kg		68	52 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*58*		*46 - 109*
Tetrachloro-m-xylene	*71*		*47 - 107*

Lab Sample ID: 320-80943-41 MS
Matrix: Solid
Analysis Batch: 542188

Client Sample ID: AOC3-S5C-2
Prep Type: Total/NA
Prep Batch: 539858

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		16.4	9.03		ug/Kg		55	53 - 117
4,4'-DDE	ND	F1	16.4	8.95	F1	ug/Kg		54	58 - 115
4,4'-DDT	ND		16.4	8.94		ug/Kg		54	53 - 128
Aldrin	ND		16.4	10.6		ug/Kg		65	55 - 109
alpha-BHC	ND		16.4	11.1		ug/Kg		67	54 - 111
cis-Chlordane	ND		16.4	9.06		ug/Kg		55	54 - 113
beta-BHC	ND		16.4	10.8		ug/Kg		66	53 - 115
delta-BHC	ND		16.4	10.6		ug/Kg		64	39 - 124
Dieldrin	ND	F1	16.4	9.03		ug/Kg		55	54 - 117
Endosulfan I	ND		16.4	7.35		ug/Kg		45	42 - 118
Endosulfan II	ND		16.4	8.19		ug/Kg		50	48 - 118
Endosulfan sulfate	ND		16.4	8.43		ug/Kg		51	51 - 113
Endrin	ND	F1	16.4	9.15	F1	ug/Kg		56	58 - 115
Endrin aldehyde	ND		16.4	6.59		ug/Kg		40	40 - 100
Endrin ketone	ND	F1	16.4	8.01	F1	ug/Kg		49	51 - 118
trans-Chlordane	ND	F1	16.4	8.87	F1	ug/Kg		54	55 - 114
gamma-BHC (Lindane)	ND		16.4	11.1		ug/Kg		68	54 - 112
Heptachlor	ND		16.4	11.1		ug/Kg		67	50 - 118
Heptachlor epoxide	ND		16.4	9.33		ug/Kg		57	56 - 113
Methoxychlor	ND		16.4	9.05		ug/Kg		55	52 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*50*		*46 - 109*
Tetrachloro-m-xylene	*76*		*47 - 107*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: 320-80943-41 MSD
Matrix: Solid
Analysis Batch: 542188

Client Sample ID: AOC3-S5C-2
Prep Type: Total/NA
Prep Batch: 539858

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		16.1	8.71		ug/Kg		54	53 - 117	4	30
4,4'-DDE	ND	F1	16.1	8.70	F1	ug/Kg		54	58 - 115	3	30
4,4'-DDT	ND		16.1	8.59		ug/Kg		53	53 - 128	4	30
Aldrin	ND		16.1	9.70		ug/Kg		60	55 - 109	9	30
alpha-BHC	ND		16.1	10.3		ug/Kg		64	54 - 111	7	30
cis-Chlordane	ND		16.1	8.83		ug/Kg		55	54 - 113	3	30
beta-BHC	ND		16.1	10.3		ug/Kg		64	53 - 115	4	30
delta-BHC	ND		16.1	9.81		ug/Kg		61	39 - 124	7	30
Dieldrin	ND	F1	16.1	8.62	F1	ug/Kg		53	54 - 117	5	30
Endosulfan I	ND		16.1	7.16		ug/Kg		44	42 - 118	3	30
Endosulfan II	ND		16.1	7.95		ug/Kg		49	48 - 118	3	30
Endosulfan sulfate	ND		16.1	8.37		ug/Kg		52	51 - 113	1	30
Endrin	ND	F1	16.1	8.71	F1	ug/Kg		54	58 - 115	5	30
Endrin aldehyde	ND		16.1	6.39		ug/Kg		40	40 - 100	3	30
Endrin ketone	ND	F1	16.1	7.78	F1	ug/Kg		48	51 - 118	3	30
trans-Chlordane	ND	F1	16.1	8.50	F1	ug/Kg		53	55 - 114	4	30
gamma-BHC (Lindane)	ND		16.1	10.3		ug/Kg		64	54 - 112	7	30
Heptachlor	ND		16.1	10.1		ug/Kg		63	50 - 118	9	30
Heptachlor epoxide	ND		16.1	9.00		ug/Kg		56	56 - 113	4	30
Methoxychlor	ND		16.1	8.88		ug/Kg		55	52 - 123	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*47*		*46 - 109*
Tetrachloro-m-xylene	*68*		*47 - 107*

Lab Sample ID: MB 320-540585/1-A
Matrix: Solid
Analysis Batch: 544755

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 540585

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
Aldrin	ND		1.7	0.14	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
Chlordane (technical)	ND		20	9.4	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
Endrin	ND		1.7	0.20	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/06/21 10:08	11/21/21 17:26	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 320-540585/1-A
Matrix: Solid
Analysis Batch: 544755

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 540585

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		1.7	0.15	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/06/21 10:08	11/21/21 17:26	1
Toxaphene	ND		67	22	ug/Kg		11/06/21 10:08	11/21/21 17:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*46 - 109*	*11/06/21 10:08*	*11/21/21 17:26*	*1*
DCB Decachlorobiphenyl	*86*		*46 - 109*	*11/06/21 10:08*	*11/21/21 17:26*	*1*
Tetrachloro-m-xylene	*78*		*47 - 107*	*11/06/21 10:08*	*11/21/21 17:26*	*1*
Tetrachloro-m-xylene	*78*		*47 - 107*	*11/06/21 10:08*	*11/21/21 17:26*	*1*

Lab Sample ID: LCS 320-540585/2-A
Matrix: Solid
Analysis Batch: 544755

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540585

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	14.8		ug/Kg		89	53 - 117
4,4'-DDE	16.7	14.9		ug/Kg		90	58 - 115
4,4'-DDT	16.7	15.0		ug/Kg		90	53 - 128
Aldrin	16.7	13.6		ug/Kg		81	55 - 109
alpha-BHC	16.7	14.7		ug/Kg		88	54 - 111
cis-Chlordane	16.7	13.8		ug/Kg		83	54 - 113
beta-BHC	16.7	14.1		ug/Kg		85	53 - 115
delta-BHC	16.7	14.3		ug/Kg		86	39 - 124
Dieldrin	16.7	14.4		ug/Kg		86	54 - 117
Endosulfan I	16.7	12.2		ug/Kg		73	42 - 118
Endosulfan II	16.7	13.7		ug/Kg		82	48 - 118
Endosulfan sulfate	16.7	14.8		ug/Kg		89	51 - 113
Endrin	16.7	14.7		ug/Kg		88	58 - 115
Endrin aldehyde	16.7	13.7		ug/Kg		82	40 - 100
Endrin ketone	16.7	14.4		ug/Kg		86	51 - 118
trans-Chlordane	16.7	13.4		ug/Kg		81	55 - 114
gamma-BHC (Lindane)	16.7	14.4		ug/Kg		86	54 - 112
Heptachlor	16.7	13.9		ug/Kg		83	50 - 118
Heptachlor epoxide	16.7	13.7		ug/Kg		82	56 - 113
Methoxychlor	16.7	15.5		ug/Kg		93	52 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*46 - 109*
Tetrachloro-m-xylene	*82*		*47 - 107*

Lab Sample ID: 320-80943-42 MS
Matrix: Solid
Analysis Batch: 544755

Client Sample ID: AOC3-S4C-0.5
Prep Type: Total/NA
Prep Batch: 540585

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND	F2	16.5	8.82	J p	ug/Kg		53	53 - 117
4,4'-DDE	ND		16.5	9.60	J p	ug/Kg		58	58 - 115

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 320-80943-42 MS
Matrix: Solid
Analysis Batch: 544755

Client Sample ID: AOC3-S4C-0.5
Prep Type: Total/NA
Prep Batch: 540585

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDT	ND		16.5	13.4	J	ug/Kg		81	53 - 128
Aldrin	ND		16.5	10.8	J	ug/Kg		65	55 - 109
alpha-BHC	ND		16.5	13.6	J	ug/Kg		82	54 - 111
cis-Chlordane	ND		16.5	9.51	J	ug/Kg		58	54 - 113
beta-BHC	ND		16.5	13.0	J	ug/Kg		79	53 - 115
delta-BHC	ND		16.5	9.93	J	ug/Kg		60	39 - 124
Dieldrin	ND		16.5	9.59	J	ug/Kg		58	54 - 117
Endosulfan I	ND		16.5	7.45	J	ug/Kg		45	42 - 118
Endosulfan II	ND		16.5	8.98	J	ug/Kg		54	48 - 118
Endosulfan sulfate	ND	F2 F1	16.5	6.62	J F1	ug/Kg		40	51 - 113
Endrin	ND		16.5	10.4	J	ug/Kg		63	58 - 115
Endrin aldehyde	ND		16.5	10.1	J	ug/Kg		61	40 - 100
Endrin ketone	ND	F1	16.5	5.38	J p F1	ug/Kg		33	51 - 118
trans-Chlordane	ND	F2	16.5	9.44	J p	ug/Kg		57	55 - 114
gamma-BHC (Lindane)	ND		16.5	12.4	J	ug/Kg		75	54 - 112
Heptachlor	ND		16.5	13.8	J	ug/Kg		84	50 - 118
Heptachlor epoxide	ND		16.5	9.96	J	ug/Kg		60	56 - 113
Methoxychlor	ND	F1 F2	16.5	14.6	J P	ug/Kg		88	52 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*82*		*46 - 109*
Tetrachloro-m-xylene	*93*		*47 - 107*

Lab Sample ID: 320-80943-42 MSD
Matrix: Solid
Analysis Batch: 544755

Client Sample ID: AOC3-S4C-0.5
Prep Type: Total/NA
Prep Batch: 540585

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND	F2	16.4	9.68	J F2	ug/Kg		59	53 - 117	52	30
4,4'-DDE	ND	F2	16.4	10.8	J	ug/Kg		66	58 - 115	30	30
4,4'-DDT	ND		16.4	12.8	J	ug/Kg		78	53 - 128	5	30
Aldrin	ND		16.4	11.7	J	ug/Kg		72	55 - 109	11	30
alpha-BHC	ND		16.4	14.8	J	ug/Kg		91	54 - 111	4	30
cis-Chlordane	ND		16.4	10.2	J	ug/Kg		62	54 - 113	7	30
beta-BHC	ND		16.4	12.3	J	ug/Kg		75	53 - 115	6	30
delta-BHC	ND		16.4	8.65	J	ug/Kg		53	39 - 124	14	30
Dieldrin	ND		16.4	10.5	J	ug/Kg		64	54 - 117	9	30
Endosulfan I	ND		16.4	8.80	J	ug/Kg		54	42 - 118	17	30
Endosulfan II	ND		16.4	9.18	J	ug/Kg		56	48 - 118	4	30
Endosulfan sulfate	ND	F2 F1	16.4	6.04	J F1	ug/Kg		37	51 - 113	9	30
Endrin	ND		16.4	11.0	J	ug/Kg		67	58 - 115	6	30
Endrin aldehyde	ND		16.4	7.55	J	ug/Kg		46	40 - 100	29	30
Endrin ketone	ND	F1	16.4	5.56	J p F1	ug/Kg		34	51 - 118	3	30
trans-Chlordane	ND	F2	16.4	9.86	J F2	ug/Kg		60	55 - 114	42	30
gamma-BHC (Lindane)	ND		16.4	13.2	J	ug/Kg		81	54 - 112	6	30
Heptachlor	ND		16.4	13.5	J	ug/Kg		82	50 - 118	6	30
Heptachlor epoxide	ND		16.4	11.2	J	ug/Kg		68	56 - 113	11	30
Methoxychlor	ND	F2	16.4	8.74	J p	ug/Kg		53	52 - 123	20	30

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 320-80943-42 MSD
Matrix: Solid
Analysis Batch: 544755

Client Sample ID: AOC3-S4C-0.5
Prep Type: Total/NA
Prep Batch: 540585

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	*133*	*S1+*	*46 - 109*
Tetrachloro-m-xylene	*94*		*47 - 107*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 320-539467/1-A
Matrix: Solid
Analysis Batch: 543265

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539467

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.6	ug/Kg		11/03/21 07:59	11/16/21 21:24	1
PCB-1221	ND		33	3.6	ug/Kg		11/03/21 07:59	11/16/21 21:24	1
PCB-1232	ND		33	4.8	ug/Kg		11/03/21 07:59	11/16/21 21:24	1
PCB-1242	ND		33	5.9	ug/Kg		11/03/21 07:59	11/16/21 21:24	1
PCB-1248	ND		33	2.4	ug/Kg		11/03/21 07:59	11/16/21 21:24	1
PCB-1254	ND		33	3.8	ug/Kg		11/03/21 07:59	11/16/21 21:24	1
PCB-1260	ND		33	2.7	ug/Kg		11/03/21 07:59	11/16/21 21:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*54*		*52 - 138*	*11/03/21 07:59*	*11/16/21 21:24*	*1*
Tetrachloro-m-xylene	*60*		*56 - 114*	*11/03/21 07:59*	*11/16/21 21:24*	*1*

Lab Sample ID: LCS 320-539467/2-A
Matrix: Solid
Analysis Batch: 543265

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539467

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			66.7	51.7		ug/Kg		77	58 - 124		
PCB-1260			66.7	42.2		ug/Kg		63	55 - 138		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	*63*		*52 - 138*
Tetrachloro-m-xylene	*70*		*56 - 114*

Lab Sample ID: 320-80943-17 MS
Matrix: Solid
Analysis Batch: 543265

Client Sample ID: AOC3-S6A-0.5
Prep Type: Total/NA
Prep Batch: 539467

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		65.0	39.1		ug/Kg		60	58 - 124		
PCB-1260	3.2	J	65.0	50.4		ug/Kg		73	55 - 138		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	*58*		*52 - 138*
Tetrachloro-m-xylene	*62*		*56 - 114*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 320-80943-17 MSD
Matrix: Solid
Analysis Batch: 543265

Client Sample ID: AOC3-S6A-0.5
Prep Type: Total/NA
Prep Batch: 539467

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		65.8	41.2		ug/Kg		63	58 - 124	5	20
PCB-1260	3.2	J	65.8	52.0		ug/Kg		74	55 - 138	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*56*		*52 - 138*
Tetrachloro-m-xylene	*65*		*56 - 114*

Lab Sample ID: MB 320-539538/1-A
Matrix: Solid
Analysis Batch: 543943

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.6	ug/Kg		11/03/21 10:18	11/18/21 15:38	1
PCB-1221	ND		33	3.6	ug/Kg		11/03/21 10:18	11/18/21 15:38	1
PCB-1232	ND		33	4.8	ug/Kg		11/03/21 10:18	11/18/21 15:38	1
PCB-1242	ND		33	5.9	ug/Kg		11/03/21 10:18	11/18/21 15:38	1
PCB-1248	ND		33	2.4	ug/Kg		11/03/21 10:18	11/18/21 15:38	1
PCB-1254	ND		33	3.8	ug/Kg		11/03/21 10:18	11/18/21 15:38	1
PCB-1260	ND		33	2.7	ug/Kg		11/03/21 10:18	11/18/21 15:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*52 - 138*	*11/03/21 10:18*	*11/18/21 15:38*	*1*
Tetrachloro-m-xylene	*71*		*56 - 114*	*11/03/21 10:18*	*11/18/21 15:38*	*1*

Lab Sample ID: LCS 320-539538/2-A
Matrix: Solid
Analysis Batch: 543943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539538

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			66.7	55.6		ug/Kg		83	58 - 124		
PCB-1260			66.7	54.3		ug/Kg		81	55 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*75*		*52 - 138*
Tetrachloro-m-xylene	*70*		*56 - 114*

Lab Sample ID: 320-80943-21 MS
Matrix: Solid
Analysis Batch: 543943

Client Sample ID: AOC3-S7B-0.5
Prep Type: Total/NA
Prep Batch: 539538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		66.3	41.7		ug/Kg		63	58 - 124		
PCB-1260	ND		66.3	45.4		ug/Kg		68	55 - 138		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*49*	*S1-*	*52 - 138*
Tetrachloro-m-xylene	*66*		*56 - 114*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 320-80943-21 MSD
Matrix: Solid
Analysis Batch: 543943

Client Sample ID: AOC3-S7B-0.5
Prep Type: Total/NA
Prep Batch: 539538

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		65.9	39.5		ug/Kg		60	58 - 124	5	20
PCB-1260	ND		65.9	40.1		ug/Kg		61	55 - 138	12	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*52*		*52 - 138*
Tetrachloro-m-xylene	*66*		*56 - 114*

Lab Sample ID: MB 320-539860/1-A
Matrix: Solid
Analysis Batch: 541881

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539860

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.6	ug/Kg		11/04/21 09:21	11/11/21 13:40	1
PCB-1221	ND		33	3.6	ug/Kg		11/04/21 09:21	11/11/21 13:40	1
PCB-1232	ND		33	4.8	ug/Kg		11/04/21 09:21	11/11/21 13:40	1
PCB-1242	ND		33	5.9	ug/Kg		11/04/21 09:21	11/11/21 13:40	1
PCB-1248	ND		33	2.4	ug/Kg		11/04/21 09:21	11/11/21 13:40	1
PCB-1254	ND		33	3.8	ug/Kg		11/04/21 09:21	11/11/21 13:40	1
PCB-1260	ND		33	2.7	ug/Kg		11/04/21 09:21	11/11/21 13:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*52 - 138*	*11/04/21 09:21*	*11/11/21 13:40*	*1*
Tetrachloro-m-xylene	*68*		*56 - 114*	*11/04/21 09:21*	*11/11/21 13:40*	*1*

Lab Sample ID: LCS 320-539860/2-A
Matrix: Solid
Analysis Batch: 541881

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539860

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			66.7	50.2		ug/Kg		75	58 - 124		
PCB-1260			66.7	51.5		ug/Kg		77	55 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*52 - 138*
Tetrachloro-m-xylene	*71*		*56 - 114*

Lab Sample ID: 320-80943-40 MS
Matrix: Solid
Analysis Batch: 541881

Client Sample ID: AOC3-S5C-0.5
Prep Type: Total/NA
Prep Batch: 539860

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND	F1 F2	65.0	34.1	F1	ug/Kg		52	58 - 124		
PCB-1260	ND	F1 F2	65.0	31.4	J F1	ug/Kg		48	55 - 138		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*47*	*S1-*	*52 - 138*
Tetrachloro-m-xylene	*51*	*S1-*	*56 - 114*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 320-80943-40 MSD
Matrix: Solid
Analysis Batch: 541881

Client Sample ID: AOC3-S5C-0.5
Prep Type: Total/NA
Prep Batch: 539860

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND	F1 F2	66.7	44.0	F2	ug/Kg		66	58 - 124	25	20
PCB-1260	ND	F1 F2	66.7	40.2	F2	ug/Kg		60	55 - 138	24	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*61*		*52 - 138*
Tetrachloro-m-xylene	*63*		*56 - 114*

Lab Sample ID: MB 320-540587/1-A
Matrix: Solid
Analysis Batch: 543551

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 540587

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.6	ug/Kg		11/06/21 10:17	11/17/21 18:47	1
PCB-1221	ND		33	3.6	ug/Kg		11/06/21 10:17	11/17/21 18:47	1
PCB-1232	ND		33	4.8	ug/Kg		11/06/21 10:17	11/17/21 18:47	1
PCB-1242	ND		33	5.9	ug/Kg		11/06/21 10:17	11/17/21 18:47	1
PCB-1248	ND		33	2.4	ug/Kg		11/06/21 10:17	11/17/21 18:47	1
PCB-1254	ND		33	3.8	ug/Kg		11/06/21 10:17	11/17/21 18:47	1
PCB-1260	ND		33	2.7	ug/Kg		11/06/21 10:17	11/17/21 18:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*52 - 138*	*11/06/21 10:17*	*11/17/21 18:47*	*1*
Tetrachloro-m-xylene	*62*		*56 - 114*	*11/06/21 10:17*	*11/17/21 18:47*	*1*

Lab Sample ID: LCS 320-540587/2-A
Matrix: Solid
Analysis Batch: 543551

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540587

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			66.7	50.5		ug/Kg		76	58 - 124		
PCB-1260			66.7	47.5		ug/Kg		71	55 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*64*		*52 - 138*
Tetrachloro-m-xylene	*64*		*56 - 114*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-192816/1-A
Matrix: Solid
Analysis Batch: 193505

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192816

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.22	mg/Kg		11/09/21 08:59	11/10/21 18:23	1
Arsenic	ND		2.5	2.3	mg/Kg		11/09/21 08:59	11/10/21 18:23	1
Barium	ND		0.50	0.22	mg/Kg		11/09/21 08:59	11/10/21 18:23	1
Beryllium	ND		0.25	0.17	mg/Kg		11/09/21 08:59	11/10/21 18:23	1
Cadmium	ND		0.50	0.20	mg/Kg		11/09/21 08:59	11/10/21 18:23	1

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

Lab Sample ID: MB 570-192816/1-A
Matrix: Solid
Analysis Batch: 193505

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192816

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		1.0	0.23	mg/Kg		11/09/21 08:59	11/10/21 18:23	1
Chromium	ND		1.0	0.17	mg/Kg		11/09/21 08:59	11/10/21 18:23	1
Copper	ND		1.0	0.50	mg/Kg		11/09/21 08:59	11/10/21 18:23	1
Molybdenum	ND		0.50	0.45	mg/Kg		11/09/21 08:59	11/10/21 18:23	1
Nickel	ND		0.50	0.43	mg/Kg		11/09/21 08:59	11/10/21 18:23	1
Antimony	ND		3.0	1.3	mg/Kg		11/09/21 08:59	11/10/21 18:23	1
Selenium	ND		5.0	1.8	mg/Kg		11/09/21 08:59	11/10/21 18:23	1
Thallium	ND		5.0	1.5	mg/Kg		11/09/21 08:59	11/10/21 18:23	1
Vanadium	ND		1.0	0.17	mg/Kg		11/09/21 08:59	11/10/21 18:23	1
Zinc	ND		10	5.1	mg/Kg		11/09/21 08:59	11/10/21 18:23	1
Lead	ND		5.0	0.96	mg/Kg		11/09/21 08:59	11/10/21 18:23	1

Lab Sample ID: LCS 570-192816/2-A
Matrix: Solid
Analysis Batch: 193505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192816

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	12.6	11.0		mg/Kg		87	80 - 120
Arsenic	25.1	21.4		mg/Kg		85	80 - 120
Barium	25.1	27.3		mg/Kg		108	80 - 120
Beryllium	25.1	24.9		mg/Kg		99	80 - 120
Cadmium	25.1	25.8		mg/Kg		103	80 - 120
Cobalt	25.1	25.4		mg/Kg		101	80 - 120
Chromium	25.1	25.4		mg/Kg		101	80 - 120
Copper	25.1	27.3		mg/Kg		109	80 - 120
Molybdenum	25.2	23.7		mg/Kg		94	80 - 120
Nickel	25.1	26.2		mg/Kg		104	80 - 120
Antimony	25.1	26.8		mg/Kg		107	80 - 120
Selenium	25.1	25.6		mg/Kg		102	80 - 120
Thallium	25.1	25.3		mg/Kg		101	80 - 120
Vanadium	25.1	25.4		mg/Kg		101	80 - 120
Zinc	25.1	25.7		mg/Kg		102	80 - 120
Lead	25.1	26.0		mg/Kg		104	80 - 120

Lab Sample ID: LCSD 570-192816/3-A
Matrix: Solid
Analysis Batch: 193505

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 192816

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	12.4	11.0		mg/Kg		89	80 - 120	0	20
Arsenic	24.8	21.3		mg/Kg		86	80 - 120	0	20
Barium	24.8	27.0		mg/Kg		109	80 - 120	1	20
Beryllium	24.8	24.7		mg/Kg		100	80 - 120	1	20
Cadmium	24.8	25.2		mg/Kg		102	80 - 120	2	20
Cobalt	24.8	24.9		mg/Kg		100	80 - 120	2	20
Chromium	24.8	25.2		mg/Kg		102	80 - 120	1	20
Copper	24.8	27.0		mg/Kg		109	80 - 120	1	20
Molybdenum	24.8	23.8		mg/Kg		96	80 - 120	1	20
Nickel	24.8	25.6		mg/Kg		103	80 - 120	2	20

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

Lab Sample ID: LCSD 570-192816/3-A
Matrix: Solid
Analysis Batch: 193505

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 192816

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony			24.8	26.3		mg/Kg		106	80 - 120	2	20
Selenium			24.8	25.3		mg/Kg		102	80 - 120	1	20
Thallium			24.8	25.3		mg/Kg		102	80 - 120	0	20
Vanadium			24.8	25.1		mg/Kg		101	80 - 120	1	20
Zinc			24.8	25.1		mg/Kg		102	80 - 120	2	20
Lead			24.8	25.7		mg/Kg		104	80 - 120	2	20

Lab Sample ID: 320-80943-9 MS
Matrix: Solid
Analysis Batch: 193608

Client Sample ID: AOC3-S5A-0.5
Prep Type: Total/NA
Prep Batch: 192816

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND		12.7	11.6		mg/Kg		91	75 - 125
Arsenic	ND		25.4	23.2		mg/Kg		91	75 - 125
Barium	84	F1	25.4	135	F1	mg/Kg		200	75 - 125
Beryllium	ND		25.4	27.1		mg/Kg		107	75 - 125
Cadmium	0.30	J	25.4	26.3		mg/Kg		103	75 - 125
Cobalt	2.9		25.4	29.9		mg/Kg		106	75 - 125
Chromium	10		25.4	38.8		mg/Kg		112	75 - 125
Copper	15		25.4	45.7		mg/Kg		120	75 - 125
Molybdenum	ND		25.4	23.7		mg/Kg		93	75 - 125
Nickel	14		25.4	42.8		mg/Kg		115	75 - 125
Antimony	ND		25.4	29.8		mg/Kg		117	75 - 125
Selenium	ND		25.4	24.5		mg/Kg		97	75 - 125
Thallium	ND		25.4	25.7		mg/Kg		101	75 - 125
Vanadium	8.6		25.4	37.6		mg/Kg		114	75 - 125
Zinc	98	F1	25.4	144	F1	mg/Kg		181	75 - 125
Lead	160		25.4	214	4	mg/Kg		215	75 - 125

Lab Sample ID: 320-80943-9 MSD
Matrix: Solid
Analysis Batch: 193608

Client Sample ID: AOC3-S5A-0.5
Prep Type: Total/NA
Prep Batch: 192816

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND		12.6	9.80		mg/Kg		78	75 - 125	16	20
Arsenic	ND		25.1	23.3		mg/Kg		93	75 - 125	0	20
Barium	84	F1	25.1	132	F1	mg/Kg		190	75 - 125	2	20
Beryllium	ND		25.1	26.2		mg/Kg		104	75 - 125	4	20
Cadmium	0.30	J	25.1	26.0		mg/Kg		102	75 - 125	1	20
Cobalt	2.9		25.1	28.7		mg/Kg		103	75 - 125	4	20
Chromium	10		25.1	37.6		mg/Kg		108	75 - 125	3	20
Copper	15		25.1	45.2		mg/Kg		119	75 - 125	1	20
Molybdenum	ND		25.2	24.2		mg/Kg		96	75 - 125	2	20
Nickel	14		25.1	41.6		mg/Kg		112	75 - 125	3	20
Antimony	ND		25.1	29.0		mg/Kg		115	75 - 125	3	20
Selenium	ND		25.1	24.8		mg/Kg		99	75 - 125	1	20
Thallium	ND		25.1	24.9		mg/Kg		99	75 - 125	3	20
Vanadium	8.6		25.1	36.6		mg/Kg		111	75 - 125	3	20
Zinc	98	F1	25.1	139	F1	mg/Kg		163	75 - 125	3	20

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

Lab Sample ID: 320-80943-9 MSD
Matrix: Solid
Analysis Batch: 193608

Client Sample ID: AOC3-S5A-0.5
Prep Type: Total/NA
Prep Batch: 192816

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	160		25.1	209	4	mg/Kg		197	75 - 125	2	20

Lab Sample ID: MB 320-538884/1-A
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 538884

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.260	J	1.0	0.26	mg/Kg		11/01/21 13:39	11/02/21 12:13	1
Arsenic	ND		2.0	1.3	mg/Kg		11/01/21 13:39	11/02/21 12:13	1

Lab Sample ID: LCS 320-538884/2-A
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538884

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	25.0	23.7		mg/Kg		95	80 - 120
Arsenic	50.0	44.7		mg/Kg		89	80 - 120

Lab Sample ID: MB 320-538889/1-A
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 538889

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.26	mg/Kg		11/01/21 13:39	11/02/21 15:43	1
Arsenic	ND		2.0	1.3	mg/Kg		11/01/21 13:39	11/02/21 15:43	1

Lab Sample ID: LCS 320-538889/2-A
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538889

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	25.0	24.1		mg/Kg		96	80 - 120
Arsenic	50.0	45.6		mg/Kg		91	80 - 120

Lab Sample ID: 320-80943-1 MS
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: AOC3-S3B-0.5
Prep Type: Total/NA
Prep Batch: 538889

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	130		16.4	144	4	mg/Kg		101	80 - 120
Arsenic	7.3	F1	32.9	32.4	F1	mg/Kg		76	80 - 120

Lab Sample ID: 320-80943-1 MSD
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: AOC3-S3B-0.5
Prep Type: Total/NA
Prep Batch: 538889

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	130		16.9	163	4	mg/Kg		215	80 - 120	13	35
Arsenic	7.3	F1	33.8	35.3		mg/Kg		83	80 - 120	9	35

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-192815/1-A
Matrix: Solid
Analysis Batch: 192900

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192815

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.085	0.014	mg/Kg		11/09/21 08:55	11/09/21 12:20	1

Lab Sample ID: LCS 570-192815/2-A
Matrix: Solid
Analysis Batch: 192900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192815

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.833	0.816		mg/Kg		98	85 - 121		

Lab Sample ID: LCSD 570-192815/3-A
Matrix: Solid
Analysis Batch: 192900

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 192815

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.862	0.855		mg/Kg		99	85 - 121	5	10

Lab Sample ID: 320-80943-9 MS
Matrix: Solid
Analysis Batch: 192900

Client Sample ID: AOC3-S5A-0.5
Prep Type: Total/NA
Prep Batch: 192815

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.16		0.833	0.982		mg/Kg		99	71 - 137		

Lab Sample ID: 320-80943-9 MSD
Matrix: Solid
Analysis Batch: 192900

Client Sample ID: AOC3-S5A-0.5
Prep Type: Total/NA
Prep Batch: 192815

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.16		0.877	1.03		mg/Kg		100	71 - 137	5	14

QC Association Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

GC/MS Semi VOA

Prep Batch: 539143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-23	AOC3/AOC10-S8A-0.5	Total/NA	Solid	3546	
320-80943-24	AOC3/AOC10-S8A-2	Total/NA	Solid	3546	
320-80943-25	AOC3/AOC10-S8B-0.5	Total/NA	Solid	3546	
320-80943-26	AOC3/AOC10-S8B-2	Total/NA	Solid	3546	
320-80943-27	AOC3/AOC10-S9C-0.5	Total/NA	Solid	3546	
320-80943-28	AOC3/AOC10-S9C-0.5DUP	Total/NA	Solid	3546	
320-80943-29	AOC3/AOC10-S9C-2	Total/NA	Solid	3546	
MB 320-539143/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-539143/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-80943-29 MS	AOC3/AOC10-S9C-2	Total/NA	Solid	3546	
320-80943-29 MSD	AOC3/AOC10-S9C-2	Total/NA	Solid	3546	

Prep Batch: 539206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-23	AOC3/AOC10-S8A-0.5	Total/NA	Solid	3550B	
320-80943-24	AOC3/AOC10-S8A-2	Total/NA	Solid	3550B	
320-80943-25	AOC3/AOC10-S8B-0.5	Total/NA	Solid	3550B	
320-80943-26	AOC3/AOC10-S8B-2	Total/NA	Solid	3550B	
320-80943-27	AOC3/AOC10-S9C-0.5	Total/NA	Solid	3550B	
320-80943-28	AOC3/AOC10-S9C-0.5DUP	Total/NA	Solid	3550B	
320-80943-29	AOC3/AOC10-S9C-2	Total/NA	Solid	3550B	
MB 320-539206/1-A	Method Blank	Total/NA	Solid	3550B	
LCS 320-539206/2-A	Lab Control Sample	Total/NA	Solid	3550B	
320-80943-29 MS	AOC3/AOC10-S9C-2	Total/NA	Solid	3550B	
320-80943-29 MSD	AOC3/AOC10-S9C-2	Total/NA	Solid	3550B	

Analysis Batch: 540863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-23	AOC3/AOC10-S8A-0.5	Total/NA	Solid	8270C SIM	539143
320-80943-25	AOC3/AOC10-S8B-0.5	Total/NA	Solid	8270C SIM	539143
320-80943-27	AOC3/AOC10-S9C-0.5	Total/NA	Solid	8270C SIM	539143
320-80943-28	AOC3/AOC10-S9C-0.5DUP	Total/NA	Solid	8270C SIM	539143
320-80943-29	AOC3/AOC10-S9C-2	Total/NA	Solid	8270C SIM	539143
MB 320-539143/1-A	Method Blank	Total/NA	Solid	8270C SIM	539143
LCS 320-539143/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	539143
320-80943-29 MS	AOC3/AOC10-S9C-2	Total/NA	Solid	8270C SIM	539143
320-80943-29 MSD	AOC3/AOC10-S9C-2	Total/NA	Solid	8270C SIM	539143

Analysis Batch: 541624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-23	AOC3/AOC10-S8A-0.5	Total/NA	Solid	8270C	539206
320-80943-24	AOC3/AOC10-S8A-2	Total/NA	Solid	8270C	539206
320-80943-25	AOC3/AOC10-S8B-0.5	Total/NA	Solid	8270C	539206
320-80943-26	AOC3/AOC10-S8B-2	Total/NA	Solid	8270C	539206
320-80943-27	AOC3/AOC10-S9C-0.5	Total/NA	Solid	8270C	539206
320-80943-28	AOC3/AOC10-S9C-0.5DUP	Total/NA	Solid	8270C	539206
320-80943-29	AOC3/AOC10-S9C-2	Total/NA	Solid	8270C	539206
MB 320-539206/1-A	Method Blank	Total/NA	Solid	8270C	539206
LCS 320-539206/2-A	Lab Control Sample	Total/NA	Solid	8270C	539206

QC Association Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

GC/MS Semi VOA

Analysis Batch: 542113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-29 MS	AOC3/AOC10-S9C-2	Total/NA	Solid	8270C	539206
320-80943-29 MSD	AOC3/AOC10-S9C-2	Total/NA	Solid	8270C	539206

Analysis Batch: 547670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-24	AOC3/AOC10-S8A-2	Total/NA	Solid	8270C SIM	539143
320-80943-26	AOC3/AOC10-S8B-2	Total/NA	Solid	8270C SIM	539143

GC Semi VOA

Prep Batch: 539466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-1	AOC3-S3B-0.5	Total/NA	Solid	3546	
320-80943-2	AOC3-S3B-2	Total/NA	Solid	3546	
320-80943-3	AOC3-S2A-0.5	Total/NA	Solid	3546	
320-80943-4	AOC3-S2A-2	Total/NA	Solid	3546	
320-80943-5	AOC3-S3A-0.5	Total/NA	Solid	3546	
320-80943-6	AOC3-S3A-2	Total/NA	Solid	3546	
320-80943-7	AOC3-S4A-0.5	Total/NA	Solid	3546	
320-80943-8	AOC3-S4A-2	Total/NA	Solid	3546	
320-80943-9	AOC3-S5A-0.5	Total/NA	Solid	3546	
320-80943-10	AOC3-S5A-2	Total/NA	Solid	3546	
320-80943-11	AOC3-S4B-0.5	Total/NA	Solid	3546	
320-80943-12	AOC3-S4B-2	Total/NA	Solid	3546	
320-80943-13	AOC3/AOC8-S5B-0.5	Total/NA	Solid	3546	
320-80943-14	AOC3/AOC8-S5B-2	Total/NA	Solid	3546	
320-80943-15	AOC3-S6B-0.5	Total/NA	Solid	3546	
320-80943-16	AOC3-S6B-2	Total/NA	Solid	3546	
320-80943-17	AOC3-S6A-0.5	Total/NA	Solid	3546	
MB 320-539466/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-539466/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-80943-16 MS	AOC3-S6B-2	Total/NA	Solid	3546	
320-80943-16 MSD	AOC3-S6B-2	Total/NA	Solid	3546	

Prep Batch: 539467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-1	AOC3-S3B-0.5	Total/NA	Solid	3546	
320-80943-3	AOC3-S2A-0.5	Total/NA	Solid	3546	
320-80943-5	AOC3-S3A-0.5	Total/NA	Solid	3546	
320-80943-7	AOC3-S4A-0.5	Total/NA	Solid	3546	
320-80943-9	AOC3-S5A-0.5	Total/NA	Solid	3546	
320-80943-11	AOC3-S4B-0.5	Total/NA	Solid	3546	
320-80943-13	AOC3/AOC8-S5B-0.5	Total/NA	Solid	3546	
320-80943-15	AOC3-S6B-0.5	Total/NA	Solid	3546	
320-80943-17	AOC3-S6A-0.5	Total/NA	Solid	3546	
MB 320-539467/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-539467/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-80943-17 MS	AOC3-S6A-0.5	Total/NA	Solid	3546	
320-80943-17 MSD	AOC3-S6A-0.5	Total/NA	Solid	3546	

GC Semi VOA

Prep Batch: 539525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-18	AOC3-S6A-2	Total/NA	Solid	3546	
320-80943-19	AOC3-S7A-0.5	Total/NA	Solid	3546	
320-80943-20	AOC3-S7A-2	Total/NA	Solid	3546	
320-80943-21	AOC3-S7B-0.5	Total/NA	Solid	3546	
320-80943-22	AOC3-S7B-2	Total/NA	Solid	3546	
320-80943-23	AOC3/AOC10-S8A-0.5	Total/NA	Solid	3546	
320-80943-24	AOC3/AOC10-S8A-2	Total/NA	Solid	3546	
MB 320-539525/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-539525/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-80943-19 MS	AOC3-S7A-0.5	Total/NA	Solid	3546	
320-80943-19 MSD	AOC3-S7A-0.5	Total/NA	Solid	3546	

Prep Batch: 539538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-19	AOC3-S7A-0.5	Total/NA	Solid	3546	
320-80943-21	AOC3-S7B-0.5	Total/NA	Solid	3546	
320-80943-23	AOC3/AOC10-S8A-0.5	Total/NA	Solid	3546	
MB 320-539538/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-539538/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-80943-21 MS	AOC3-S7B-0.5	Total/NA	Solid	3546	
320-80943-21 MSD	AOC3-S7B-0.5	Total/NA	Solid	3546	

Prep Batch: 539858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-25	AOC3/AOC10-S8B-0.5	Total/NA	Solid	3546	
320-80943-26	AOC3/AOC10-S8B-2	Total/NA	Solid	3546	
320-80943-27	AOC3/AOC10-S9C-0.5	Total/NA	Solid	3546	
320-80943-28	AOC3/AOC10-S9C-0.5DUP	Total/NA	Solid	3546	
320-80943-29	AOC3/AOC10-S9C-2	Total/NA	Solid	3546	
320-80943-30	AOC3-S8D-0.5	Total/NA	Solid	3546	
320-80943-31	AOC3-S8D-2	Total/NA	Solid	3546	
320-80943-32	AOC3/AOC8-S8C-0.5	Total/NA	Solid	3546	
320-80943-33	AOC3/AOC8-S8C-2	Total/NA	Solid	3546	
320-80943-34	AOC3-S7C-0.5	Total/NA	Solid	3546	
320-80943-35	AOC3-S7C-2	Total/NA	Solid	3546	
320-80943-36	AOC3-S6C-0.5	Total/NA	Solid	3546	
320-80943-37	AOC3-S6C-2	Total/NA	Solid	3546	
320-80943-38	AOC3-S7D-0.5	Total/NA	Solid	3546	
320-80943-39	AOC3-S7D-2	Total/NA	Solid	3546	
320-80943-40	AOC3-S5C-0.5	Total/NA	Solid	3546	
320-80943-41	AOC3-S5C-2	Total/NA	Solid	3546	
MB 320-539858/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-539858/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-80943-41 MS	AOC3-S5C-2	Total/NA	Solid	3546	
320-80943-41 MSD	AOC3-S5C-2	Total/NA	Solid	3546	

Prep Batch: 539860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-25	AOC3/AOC10-S8B-0.5	Total/NA	Solid	3546	
320-80943-27	AOC3/AOC10-S9C-0.5	Total/NA	Solid	3546	
320-80943-28	AOC3/AOC10-S9C-0.5DUP	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 539860 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-30	AOC3-S8D-0.5	Total/NA	Solid	3546	
320-80943-32	AOC3/AOC8-S8C-0.5	Total/NA	Solid	3546	
320-80943-34	AOC3-S7C-0.5	Total/NA	Solid	3546	
320-80943-36	AOC3-S6C-0.5	Total/NA	Solid	3546	
320-80943-38	AOC3-S7D-0.5	Total/NA	Solid	3546	
320-80943-40	AOC3-S5C-0.5	Total/NA	Solid	3546	
MB 320-539860/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-539860/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-80943-40 MS	AOC3-S5C-0.5	Total/NA	Solid	3546	
320-80943-40 MSD	AOC3-S5C-0.5	Total/NA	Solid	3546	

Prep Batch: 540585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-42	AOC3-S4C-0.5	Total/NA	Solid	3546	
320-80943-43	AOC3-S4C-2	Total/NA	Solid	3546	
320-80943-44	AOC3-S3C-0.5	Total/NA	Solid	3546	
320-80943-45	AOC3-S3C-2	Total/NA	Solid	3546	
320-80943-46	AOC3-S1D-0.5	Total/NA	Solid	3546	
320-80943-47	AOC3-S1D-2	Total/NA	Solid	3546	
320-80943-48	AOC3/AOC8-S2D-0.5	Total/NA	Solid	3546	
320-80943-49	AOC3/AOC8-S2D-2	Total/NA	Solid	3546	
320-80943-50	AOC3/AOC8-S1E-0.5	Total/NA	Solid	3546	
320-80943-51	AOC3/AOC8-S1E-2	Total/NA	Solid	3546	
320-80943-52	AOC3-S2E-0.5	Total/NA	Solid	3546	
320-80943-53	AOC3-S2E-2	Total/NA	Solid	3546	
320-80943-54	AOC3-S3E-0.5	Total/NA	Solid	3546	
320-80943-55	AOC3-S3E-2	Total/NA	Solid	3546	
320-80943-56	AOC3-S3D-0.5	Total/NA	Solid	3546	
320-80943-57	AOC3-S3D-2	Total/NA	Solid	3546	
320-80943-58	AOC3-S4D-0.5	Total/NA	Solid	3546	
320-80943-59	AOC3-S4D-2	Total/NA	Solid	3546	
320-80943-60	AOC3-S4E-0.5	Total/NA	Solid	3546	
320-80943-61	AOC3-S4E-2	Total/NA	Solid	3546	
MB 320-540585/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-540585/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-80943-42 MS	AOC3-S4C-0.5	Total/NA	Solid	3546	
320-80943-42 MSD	AOC3-S4C-0.5	Total/NA	Solid	3546	

Prep Batch: 540587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-42	AOC3-S4C-0.5	Total/NA	Solid	3546	
320-80943-44	AOC3-S3C-0.5	Total/NA	Solid	3546	
320-80943-46	AOC3-S1D-0.5	Total/NA	Solid	3546	
320-80943-48	AOC3/AOC8-S2D-0.5	Total/NA	Solid	3546	
320-80943-50	AOC3/AOC8-S1E-0.5	Total/NA	Solid	3546	
320-80943-52	AOC3-S2E-0.5	Total/NA	Solid	3546	
320-80943-54	AOC3-S3E-0.5	Total/NA	Solid	3546	
320-80943-56	AOC3-S3D-0.5	Total/NA	Solid	3546	
320-80943-58	AOC3-S4D-0.5	Total/NA	Solid	3546	
320-80943-60	AOC3-S4E-0.5	Total/NA	Solid	3546	
MB 320-540587/1-A	Method Blank	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 540587 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-540587/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 541611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-25	AOC3/AOC10-S8B-0.5	Total/NA	Solid	8081A	539858
320-80943-26	AOC3/AOC10-S8B-2	Total/NA	Solid	8081A	539858
320-80943-27	AOC3/AOC10-S9C-0.5	Total/NA	Solid	8081A	539858
320-80943-28	AOC3/AOC10-S9C-0.5DUP	Total/NA	Solid	8081A	539858
320-80943-29	AOC3/AOC10-S9C-2	Total/NA	Solid	8081A	539858
320-80943-30	AOC3-S8D-0.5	Total/NA	Solid	8081A	539858
320-80943-31	AOC3-S8D-2	Total/NA	Solid	8081A	539858
320-80943-32	AOC3/AOC8-S8C-0.5	Total/NA	Solid	8081A	539858
320-80943-33	AOC3/AOC8-S8C-2	Total/NA	Solid	8081A	539858
320-80943-34	AOC3-S7C-0.5	Total/NA	Solid	8081A	539858
320-80943-35	AOC3-S7C-2	Total/NA	Solid	8081A	539858
320-80943-36	AOC3-S6C-0.5	Total/NA	Solid	8081A	539858
320-80943-37	AOC3-S6C-2	Total/NA	Solid	8081A	539858
320-80943-38	AOC3-S7D-0.5	Total/NA	Solid	8081A	539858
MB 320-539858/1-A	Method Blank	Total/NA	Solid	8081A	539858
LCS 320-539858/2-A	Lab Control Sample	Total/NA	Solid	8081A	539858

Analysis Batch: 541881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-25	AOC3/AOC10-S8B-0.5	Total/NA	Solid	8082	539860
320-80943-27	AOC3/AOC10-S9C-0.5	Total/NA	Solid	8082	539860
320-80943-28	AOC3/AOC10-S9C-0.5DUP	Total/NA	Solid	8082	539860
320-80943-30	AOC3-S8D-0.5	Total/NA	Solid	8082	539860
320-80943-32	AOC3/AOC8-S8C-0.5	Total/NA	Solid	8082	539860
320-80943-34	AOC3-S7C-0.5	Total/NA	Solid	8082	539860
320-80943-36	AOC3-S6C-0.5	Total/NA	Solid	8082	539860
320-80943-38	AOC3-S7D-0.5	Total/NA	Solid	8082	539860
320-80943-40	AOC3-S5C-0.5	Total/NA	Solid	8082	539860
MB 320-539860/1-A	Method Blank	Total/NA	Solid	8082	539860
LCS 320-539860/2-A	Lab Control Sample	Total/NA	Solid	8082	539860
320-80943-40 MS	AOC3-S5C-0.5	Total/NA	Solid	8082	539860
320-80943-40 MSD	AOC3-S5C-0.5	Total/NA	Solid	8082	539860

Analysis Batch: 541896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-539525/1-A	Method Blank	Total/NA	Solid	8081A	539525
LCS 320-539525/2-A	Lab Control Sample	Total/NA	Solid	8081A	539525

Analysis Batch: 542188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-18	AOC3-S6A-2	Total/NA	Solid	8081A	539525
320-80943-19	AOC3-S7A-0.5	Total/NA	Solid	8081A	539525
320-80943-20	AOC3-S7A-2	Total/NA	Solid	8081A	539525
320-80943-21	AOC3-S7B-0.5	Total/NA	Solid	8081A	539525
320-80943-22	AOC3-S7B-2	Total/NA	Solid	8081A	539525
320-80943-23	AOC3/AOC10-S8A-0.5	Total/NA	Solid	8081A	539525
320-80943-24	AOC3/AOC10-S8A-2	Total/NA	Solid	8081A	539525

GC Semi VOA (Continued)

Analysis Batch: 542188 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-39	AOC3-S7D-2	Total/NA	Solid	8081A	539858
320-80943-40	AOC3-S5C-0.5	Total/NA	Solid	8081A	539858
320-80943-41	AOC3-S5C-2	Total/NA	Solid	8081A	539858
320-80943-19 MS	AOC3-S7A-0.5	Total/NA	Solid	8081A	539525
320-80943-19 MSD	AOC3-S7A-0.5	Total/NA	Solid	8081A	539525
320-80943-41 MS	AOC3-S5C-2	Total/NA	Solid	8081A	539858
320-80943-41 MSD	AOC3-S5C-2	Total/NA	Solid	8081A	539858

Analysis Batch: 542519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-1	AOC3-S3B-0.5	Total/NA	Solid	8081A	539466
320-80943-2	AOC3-S3B-2	Total/NA	Solid	8081A	539466
320-80943-3	AOC3-S2A-0.5	Total/NA	Solid	8081A	539466
320-80943-4	AOC3-S2A-2	Total/NA	Solid	8081A	539466
320-80943-5	AOC3-S3A-0.5	Total/NA	Solid	8081A	539466
320-80943-6	AOC3-S3A-2	Total/NA	Solid	8081A	539466
320-80943-7	AOC3-S4A-0.5	Total/NA	Solid	8081A	539466
320-80943-8	AOC3-S4A-2	Total/NA	Solid	8081A	539466
320-80943-9	AOC3-S5A-0.5	Total/NA	Solid	8081A	539466
320-80943-10	AOC3-S5A-2	Total/NA	Solid	8081A	539466
320-80943-11	AOC3-S4B-0.5	Total/NA	Solid	8081A	539466
320-80943-12	AOC3-S4B-2	Total/NA	Solid	8081A	539466
320-80943-13	AOC3/AOC8-S5B-0.5	Total/NA	Solid	8081A	539466
320-80943-14	AOC3/AOC8-S5B-2	Total/NA	Solid	8081A	539466
320-80943-15	AOC3-S6B-0.5	Total/NA	Solid	8081A	539466
320-80943-16	AOC3-S6B-2	Total/NA	Solid	8081A	539466
320-80943-17	AOC3-S6A-0.5	Total/NA	Solid	8081A	539466
MB 320-539466/1-A	Method Blank	Total/NA	Solid	8081A	539466
LCS 320-539466/2-A	Lab Control Sample	Total/NA	Solid	8081A	539466
320-80943-16 MS	AOC3-S6B-2	Total/NA	Solid	8081A	539466
320-80943-16 MSD	AOC3-S6B-2	Total/NA	Solid	8081A	539466

Analysis Batch: 543265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-1	AOC3-S3B-0.5	Total/NA	Solid	8082	539467
320-80943-3	AOC3-S2A-0.5	Total/NA	Solid	8082	539467
320-80943-5	AOC3-S3A-0.5	Total/NA	Solid	8082	539467
320-80943-7	AOC3-S4A-0.5	Total/NA	Solid	8082	539467
320-80943-9	AOC3-S5A-0.5	Total/NA	Solid	8082	539467
320-80943-11	AOC3-S4B-0.5	Total/NA	Solid	8082	539467
320-80943-13	AOC3/AOC8-S5B-0.5	Total/NA	Solid	8082	539467
320-80943-15	AOC3-S6B-0.5	Total/NA	Solid	8082	539467
320-80943-17	AOC3-S6A-0.5	Total/NA	Solid	8082	539467
MB 320-539467/1-A	Method Blank	Total/NA	Solid	8082	539467
LCS 320-539467/2-A	Lab Control Sample	Total/NA	Solid	8082	539467
320-80943-17 MS	AOC3-S6A-0.5	Total/NA	Solid	8082	539467
320-80943-17 MSD	AOC3-S6A-0.5	Total/NA	Solid	8082	539467

Analysis Batch: 543551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-42	AOC3-S4C-0.5	Total/NA	Solid	8082	540587

GC Semi VOA (Continued)

Analysis Batch: 543551 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-44	AOC3-S3C-0.5	Total/NA	Solid	8082	540587
320-80943-46	AOC3-S1D-0.5	Total/NA	Solid	8082	540587
320-80943-48	AOC3/AOC8-S2D-0.5	Total/NA	Solid	8082	540587
320-80943-50	AOC3/AOC8-S1E-0.5	Total/NA	Solid	8082	540587
320-80943-52	AOC3-S2E-0.5	Total/NA	Solid	8082	540587
320-80943-54	AOC3-S3E-0.5	Total/NA	Solid	8082	540587
320-80943-56	AOC3-S3D-0.5	Total/NA	Solid	8082	540587
320-80943-58	AOC3-S4D-0.5	Total/NA	Solid	8082	540587
320-80943-60	AOC3-S4E-0.5	Total/NA	Solid	8082	540587
MB 320-540587/1-A	Method Blank	Total/NA	Solid	8082	540587
LCS 320-540587/2-A	Lab Control Sample	Total/NA	Solid	8082	540587

Analysis Batch: 543943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-19	AOC3-S7A-0.5	Total/NA	Solid	8082	539538
320-80943-21	AOC3-S7B-0.5	Total/NA	Solid	8082	539538
320-80943-23	AOC3/AOC10-S8A-0.5	Total/NA	Solid	8082	539538
MB 320-539538/1-A	Method Blank	Total/NA	Solid	8082	539538
LCS 320-539538/2-A	Lab Control Sample	Total/NA	Solid	8082	539538
320-80943-21 MS	AOC3-S7B-0.5	Total/NA	Solid	8082	539538
320-80943-21 MSD	AOC3-S7B-0.5	Total/NA	Solid	8082	539538

Analysis Batch: 544755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-42	AOC3-S4C-0.5	Total/NA	Solid	8081A	540585
320-80943-43	AOC3-S4C-2	Total/NA	Solid	8081A	540585
320-80943-44	AOC3-S3C-0.5	Total/NA	Solid	8081A	540585
320-80943-45	AOC3-S3C-2	Total/NA	Solid	8081A	540585
320-80943-46	AOC3-S1D-0.5	Total/NA	Solid	8081A	540585
320-80943-47	AOC3-S1D-2	Total/NA	Solid	8081A	540585
320-80943-48	AOC3/AOC8-S2D-0.5	Total/NA	Solid	8081A	540585
320-80943-49	AOC3/AOC8-S2D-2	Total/NA	Solid	8081A	540585
320-80943-50	AOC3/AOC8-S1E-0.5	Total/NA	Solid	8081A	540585
320-80943-51	AOC3/AOC8-S1E-2	Total/NA	Solid	8081A	540585
320-80943-52	AOC3-S2E-0.5	Total/NA	Solid	8081A	540585
320-80943-53	AOC3-S2E-2	Total/NA	Solid	8081A	540585
320-80943-54	AOC3-S3E-0.5	Total/NA	Solid	8081A	540585
320-80943-55	AOC3-S3E-2	Total/NA	Solid	8081A	540585
320-80943-56	AOC3-S3D-0.5	Total/NA	Solid	8081A	540585
320-80943-57	AOC3-S3D-2	Total/NA	Solid	8081A	540585
320-80943-58	AOC3-S4D-0.5	Total/NA	Solid	8081A	540585
320-80943-59	AOC3-S4D-2	Total/NA	Solid	8081A	540585
320-80943-60	AOC3-S4E-0.5	Total/NA	Solid	8081A	540585
320-80943-61	AOC3-S4E-2	Total/NA	Solid	8081A	540585
MB 320-540585/1-A	Method Blank	Total/NA	Solid	8081A	540585
LCS 320-540585/2-A	Lab Control Sample	Total/NA	Solid	8081A	540585
320-80943-42 MS	AOC3-S4C-0.5	Total/NA	Solid	8081A	540585
320-80943-42 MSD	AOC3-S4C-0.5	Total/NA	Solid	8081A	540585

Metals

Prep Batch: 192815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-9	AOC3-S5A-0.5	Total/NA	Solid	7471A	
320-80943-23	AOC3/AOC10-S8A-0.5	Total/NA	Solid	7471A	
320-80943-24	AOC3/AOC10-S8A-2	Total/NA	Solid	7471A	
320-80943-25	AOC3/AOC10-S8B-0.5	Total/NA	Solid	7471A	
320-80943-26	AOC3/AOC10-S8B-2	Total/NA	Solid	7471A	
320-80943-27	AOC3/AOC10-S9C-0.5	Total/NA	Solid	7471A	
320-80943-28	AOC3/AOC10-S9C-0.5DUP	Total/NA	Solid	7471A	
320-80943-29	AOC3/AOC10-S9C-2	Total/NA	Solid	7471A	
320-80943-38	AOC3-S7D-0.5	Total/NA	Solid	7471A	
320-80943-39	AOC3-S7D-2	Total/NA	Solid	7471A	
320-80943-46	AOC3-S1D-0.5	Total/NA	Solid	7471A	
320-80943-60	AOC3-S4E-0.5	Total/NA	Solid	7471A	
MB 570-192815/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-192815/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-192815/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
320-80943-9 MS	AOC3-S5A-0.5	Total/NA	Solid	7471A	
320-80943-9 MSD	AOC3-S5A-0.5	Total/NA	Solid	7471A	

Prep Batch: 192816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-9	AOC3-S5A-0.5	Total/NA	Solid	3050B	
320-80943-23	AOC3/AOC10-S8A-0.5	Total/NA	Solid	3050B	
320-80943-24	AOC3/AOC10-S8A-2	Total/NA	Solid	3050B	
320-80943-25	AOC3/AOC10-S8B-0.5	Total/NA	Solid	3050B	
320-80943-26	AOC3/AOC10-S8B-2	Total/NA	Solid	3050B	
320-80943-27	AOC3/AOC10-S9C-0.5	Total/NA	Solid	3050B	
320-80943-28	AOC3/AOC10-S9C-0.5DUP	Total/NA	Solid	3050B	
320-80943-29	AOC3/AOC10-S9C-2	Total/NA	Solid	3050B	
320-80943-38	AOC3-S7D-0.5	Total/NA	Solid	3050B	
320-80943-39	AOC3-S7D-2	Total/NA	Solid	3050B	
320-80943-46	AOC3-S1D-0.5	Total/NA	Solid	3050B	
320-80943-60	AOC3-S4E-0.5	Total/NA	Solid	3050B	
MB 570-192816/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-192816/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-192816/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
320-80943-9 MS	AOC3-S5A-0.5	Total/NA	Solid	3050B	
320-80943-9 MSD	AOC3-S5A-0.5	Total/NA	Solid	3050B	

Analysis Batch: 192900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-9	AOC3-S5A-0.5	Total/NA	Solid	7471A	192815
320-80943-23	AOC3/AOC10-S8A-0.5	Total/NA	Solid	7471A	192815
320-80943-24	AOC3/AOC10-S8A-2	Total/NA	Solid	7471A	192815
320-80943-25	AOC3/AOC10-S8B-0.5	Total/NA	Solid	7471A	192815
320-80943-26	AOC3/AOC10-S8B-2	Total/NA	Solid	7471A	192815
320-80943-27	AOC3/AOC10-S9C-0.5	Total/NA	Solid	7471A	192815
320-80943-28	AOC3/AOC10-S9C-0.5DUP	Total/NA	Solid	7471A	192815
320-80943-29	AOC3/AOC10-S9C-2	Total/NA	Solid	7471A	192815
320-80943-38	AOC3-S7D-0.5	Total/NA	Solid	7471A	192815
320-80943-39	AOC3-S7D-2	Total/NA	Solid	7471A	192815
320-80943-46	AOC3-S1D-0.5	Total/NA	Solid	7471A	192815

Metals (Continued)

Analysis Batch: 192900 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-60	AOC3-S4E-0.5	Total/NA	Solid	7471A	192815
MB 570-192815/1-A	Method Blank	Total/NA	Solid	7471A	192815
LCS 570-192815/2-A	Lab Control Sample	Total/NA	Solid	7471A	192815
LCSD 570-192815/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	192815
320-80943-9 MS	AOC3-S5A-0.5	Total/NA	Solid	7471A	192815
320-80943-9 MSD	AOC3-S5A-0.5	Total/NA	Solid	7471A	192815

Analysis Batch: 193505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-9	AOC3-S5A-0.5	Total/NA	Solid	6010B	192816
320-80943-23	AOC3/AOC10-S8A-0.5	Total/NA	Solid	6010B	192816
320-80943-24	AOC3/AOC10-S8A-2	Total/NA	Solid	6010B	192816
320-80943-25	AOC3/AOC10-S8B-0.5	Total/NA	Solid	6010B	192816
320-80943-26	AOC3/AOC10-S8B-2	Total/NA	Solid	6010B	192816
320-80943-27	AOC3/AOC10-S9C-0.5	Total/NA	Solid	6010B	192816
320-80943-28	AOC3/AOC10-S9C-0.5DUP	Total/NA	Solid	6010B	192816
320-80943-29	AOC3/AOC10-S9C-2	Total/NA	Solid	6010B	192816
320-80943-38	AOC3-S7D-0.5	Total/NA	Solid	6010B	192816
320-80943-39	AOC3-S7D-2	Total/NA	Solid	6010B	192816
320-80943-46	AOC3-S1D-0.5	Total/NA	Solid	6010B	192816
320-80943-60	AOC3-S4E-0.5	Total/NA	Solid	6010B	192816
MB 570-192816/1-A	Method Blank	Total/NA	Solid	6010B	192816
LCS 570-192816/2-A	Lab Control Sample	Total/NA	Solid	6010B	192816
LCSD 570-192816/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	192816

Analysis Batch: 193608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-9 MS	AOC3-S5A-0.5	Total/NA	Solid	6010B	192816
320-80943-9 MSD	AOC3-S5A-0.5	Total/NA	Solid	6010B	192816

Prep Batch: 538884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-52	AOC3-S2E-0.5	Total/NA	Solid	3050B	
320-80943-54	AOC3-S3E-0.5	Total/NA	Solid	3050B	
320-80943-56	AOC3-S3D-0.5	Total/NA	Solid	3050B	
320-80943-58	AOC3-S4D-0.5	Total/NA	Solid	3050B	
MB 320-538884/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-538884/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 538889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-1	AOC3-S3B-0.5	Total/NA	Solid	3050B	
320-80943-3	AOC3-S2A-0.5	Total/NA	Solid	3050B	
320-80943-5	AOC3-S3A-0.5	Total/NA	Solid	3050B	
320-80943-7	AOC3-S4A-0.5	Total/NA	Solid	3050B	
320-80943-11	AOC3-S4B-0.5	Total/NA	Solid	3050B	
320-80943-13	AOC3/AOC8-S5B-0.5	Total/NA	Solid	3050B	
320-80943-15	AOC3-S6B-0.5	Total/NA	Solid	3050B	
320-80943-17	AOC3-S6A-0.5	Total/NA	Solid	3050B	
320-80943-19	AOC3-S7A-0.5	Total/NA	Solid	3050B	
320-80943-21	AOC3-S7B-0.5	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 538889 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-30	AOC3-S8D-0.5	Total/NA	Solid	3050B	
320-80943-32	AOC3/AOC8-S8C-0.5	Total/NA	Solid	3050B	
320-80943-34	AOC3-S7C-0.5	Total/NA	Solid	3050B	
320-80943-36	AOC3-S6C-0.5	Total/NA	Solid	3050B	
320-80943-40	AOC3-S5C-0.5	Total/NA	Solid	3050B	
320-80943-42	AOC3-S4C-0.5	Total/NA	Solid	3050B	
320-80943-44	AOC3-S3C-0.5	Total/NA	Solid	3050B	
320-80943-45	AOC3-S3C-2	Total/NA	Solid	3050B	
320-80943-48	AOC3/AOC8-S2D-0.5	Total/NA	Solid	3050B	
320-80943-50	AOC3/AOC8-S1E-0.5	Total/NA	Solid	3050B	
MB 320-538889/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-538889/2-A	Lab Control Sample	Total/NA	Solid	3050B	
320-80943-1 MS	AOC3-S3B-0.5	Total/NA	Solid	3050B	
320-80943-1 MSD	AOC3-S3B-0.5	Total/NA	Solid	3050B	

Analysis Batch: 539464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-1	AOC3-S3B-0.5	Total/NA	Solid	6010B	538889
320-80943-3	AOC3-S2A-0.5	Total/NA	Solid	6010B	538889
320-80943-5	AOC3-S3A-0.5	Total/NA	Solid	6010B	538889
320-80943-7	AOC3-S4A-0.5	Total/NA	Solid	6010B	538889
320-80943-11	AOC3-S4B-0.5	Total/NA	Solid	6010B	538889
320-80943-13	AOC3/AOC8-S5B-0.5	Total/NA	Solid	6010B	538889
320-80943-15	AOC3-S6B-0.5	Total/NA	Solid	6010B	538889
320-80943-17	AOC3-S6A-0.5	Total/NA	Solid	6010B	538889
320-80943-19	AOC3-S7A-0.5	Total/NA	Solid	6010B	538889
320-80943-21	AOC3-S7B-0.5	Total/NA	Solid	6010B	538889
320-80943-30	AOC3-S8D-0.5	Total/NA	Solid	6010B	538889
320-80943-32	AOC3/AOC8-S8C-0.5	Total/NA	Solid	6010B	538889
320-80943-34	AOC3-S7C-0.5	Total/NA	Solid	6010B	538889
320-80943-36	AOC3-S6C-0.5	Total/NA	Solid	6010B	538889
320-80943-40	AOC3-S5C-0.5	Total/NA	Solid	6010B	538889
320-80943-42	AOC3-S4C-0.5	Total/NA	Solid	6010B	538889
320-80943-44	AOC3-S3C-0.5	Total/NA	Solid	6010B	538889
320-80943-45	AOC3-S3C-2	Total/NA	Solid	6010B	538889
320-80943-48	AOC3/AOC8-S2D-0.5	Total/NA	Solid	6010B	538889
320-80943-50	AOC3/AOC8-S1E-0.5	Total/NA	Solid	6010B	538889
320-80943-52	AOC3-S2E-0.5	Total/NA	Solid	6010B	538884
320-80943-54	AOC3-S3E-0.5	Total/NA	Solid	6010B	538884
320-80943-56	AOC3-S3D-0.5	Total/NA	Solid	6010B	538884
320-80943-58	AOC3-S4D-0.5	Total/NA	Solid	6010B	538884
MB 320-538884/1-A	Method Blank	Total/NA	Solid	6010B	538884
MB 320-538889/1-A	Method Blank	Total/NA	Solid	6010B	538889
LCS 320-538884/2-A	Lab Control Sample	Total/NA	Solid	6010B	538884
LCS 320-538889/2-A	Lab Control Sample	Total/NA	Solid	6010B	538889
320-80943-1 MS	AOC3-S3B-0.5	Total/NA	Solid	6010B	538889
320-80943-1 MSD	AOC3-S3B-0.5	Total/NA	Solid	6010B	538889

Client Sample ID: AOC3-S3B-0.5

Lab Sample ID: 320-80943-1

Date Collected: 10/27/21 08:54

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.21 g	5 mL	539466	11/03/21 07:57	TL	TAL SAC
Total/NA	Analysis	8081A		5			542519	11/13/21 15:18	K1D	TAL SAC
Total/NA	Prep	3546			15.21 g	5 mL	539467	11/03/21 07:59	TL	TAL SAC
Total/NA	Analysis	8082		1			543265	11/16/21 22:05	K1D	TAL SAC
Total/NA	Prep	3050B			1.50 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 15:58	GSH	TAL SAC

Client Sample ID: AOC3-S3B-2

Lab Sample ID: 320-80943-2

Date Collected: 10/27/21 09:00

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.27 g	5 mL	539466	11/03/21 07:57	TL	TAL SAC
Total/NA	Analysis	8081A		2			542519	11/13/21 15:37	K1D	TAL SAC

Client Sample ID: AOC3-S2A-0.5

Lab Sample ID: 320-80943-3

Date Collected: 10/27/21 09:00

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.22 g	5 mL	539466	11/03/21 07:57	TL	TAL SAC
Total/NA	Analysis	8081A		10			542519	11/13/21 15:56	K1D	TAL SAC
Total/NA	Prep	3546			15.22 g	5 mL	539467	11/03/21 07:59	TL	TAL SAC
Total/NA	Analysis	8082		1			543265	11/16/21 22:25	K1D	TAL SAC
Total/NA	Prep	3050B			1.51 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 16:17	GSH	TAL SAC

Client Sample ID: AOC3-S2A-2

Lab Sample ID: 320-80943-4

Date Collected: 10/27/21 09:02

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.99 g	5 mL	539466	11/03/21 07:57	TL	TAL SAC
Total/NA	Analysis	8081A		1			542519	11/13/21 16:15	K1D	TAL SAC

Client Sample ID: AOC3-S3A-0.5

Lab Sample ID: 320-80943-5

Date Collected: 10/27/21 09:06

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.58 g	5 mL	539466	11/03/21 07:57	TL	TAL SAC
Total/NA	Analysis	8081A		10			542519	11/13/21 16:34	K1D	TAL SAC
Total/NA	Prep	3546			15.58 g	5 mL	539467	11/03/21 07:59	TL	TAL SAC
Total/NA	Analysis	8082		1			543265	11/16/21 22:46	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 16:20	GSH	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S3A-2

Lab Sample ID: 320-80943-6
Matrix: Solid
Date Collected: 10/27/21 09:10
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.99 g	5 mL	539466	11/03/21 07:57	TL	TAL SAC
Total/NA	Analysis	8081A		1			542519	11/13/21 16:52	K1D	TAL SAC

Client Sample ID: AOC3-S4A-0.5

Lab Sample ID: 320-80943-7
Matrix: Solid
Date Collected: 10/27/21 09:43
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.40 g	5 mL	539466	11/03/21 07:57	TL	TAL SAC
Total/NA	Analysis	8081A		1			542519	11/13/21 17:11	K1D	TAL SAC
Total/NA	Prep	3546			15.40 g	5 mL	539467	11/03/21 07:59	TL	TAL SAC
Total/NA	Analysis	8082		1			543265	11/16/21 23:06	K1D	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 16:24	GSH	TAL SAC

Client Sample ID: AOC3-S4A-2

Lab Sample ID: 320-80943-8
Matrix: Solid
Date Collected: 10/27/21 09:45
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.26 g	5 mL	539466	11/03/21 07:57	TL	TAL SAC
Total/NA	Analysis	8081A		20			542519	11/13/21 17:30	K1D	TAL SAC

Client Sample ID: AOC3-S5A-0.5

Lab Sample ID: 320-80943-9
Matrix: Solid
Date Collected: 10/27/21 09:45
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.14 g	5 mL	539466	11/03/21 07:57	TL	TAL SAC
Total/NA	Analysis	8081A		10			542519	11/13/21 17:49	K1D	TAL SAC
Total/NA	Prep	3546			15.14 g	5 mL	539467	11/03/21 07:59	TL	TAL SAC
Total/NA	Analysis	8082		1			543265	11/16/21 23:27	K1D	TAL SAC
Total/NA	Prep	3050B			1.94 g	100 mL	192816	11/09/21 08:59	WL8G	ECL 1
Total/NA	Analysis	6010B		1			193505	11/10/21 17:27	ULPF	ECL 1
Total/NA	Prep	7471A			.61 g	100 mL	192815	11/09/21 08:55	WL8G	ECL 1
Total/NA	Analysis	7471A		1			192900	11/09/21 12:26	VWJ7	ECL 1

Client Sample ID: AOC3-S5A-2

Lab Sample ID: 320-80943-10
Matrix: Solid
Date Collected: 10/27/21 09:50
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.48 g	5 mL	539466	11/03/21 07:57	TL	TAL SAC
Total/NA	Analysis	8081A		1			542519	11/13/21 18:08	K1D	TAL SAC

Client Sample ID: AOC3-S4B-0.5

Lab Sample ID: 320-80943-11

Date Collected: 10/27/21 09:56

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.31 g	5 mL	539466	11/03/21 07:57	TL	TAL SAC
Total/NA	Analysis	8081A		10			542519	11/13/21 18:27	K1D	TAL SAC
Total/NA	Prep	3546			15.31 g	5 mL	539467	11/03/21 07:59	TL	TAL SAC
Total/NA	Analysis	8082		1			543265	11/16/21 23:48	K1D	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 16:28	GSH	TAL SAC

Client Sample ID: AOC3-S4B-2

Lab Sample ID: 320-80943-12

Date Collected: 10/27/21 09:58

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.34 g	5 mL	539466	11/03/21 07:57	TL	TAL SAC
Total/NA	Analysis	8081A		1			542519	11/13/21 18:46	K1D	TAL SAC

Client Sample ID: AOC3/AOC8-S5B-0.5

Lab Sample ID: 320-80943-13

Date Collected: 10/27/21 10:00

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.52 g	5 mL	539466	11/03/21 07:57	TL	TAL SAC
Total/NA	Analysis	8081A		10			542519	11/13/21 19:04	K1D	TAL SAC
Total/NA	Prep	3546			15.52 g	5 mL	539467	11/03/21 07:59	TL	TAL SAC
Total/NA	Analysis	8082		1			543265	11/17/21 00:08	K1D	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 16:32	GSH	TAL SAC

Client Sample ID: AOC3/AOC8-S5B-2

Lab Sample ID: 320-80943-14

Date Collected: 10/27/21 10:02

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.38 g	5 mL	539466	11/03/21 07:57	TL	TAL SAC
Total/NA	Analysis	8081A		5			542519	11/13/21 19:23	K1D	TAL SAC

Client Sample ID: AOC3-S6B-0.5

Lab Sample ID: 320-80943-15

Date Collected: 10/27/21 10:23

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.01 g	5 mL	539466	11/03/21 07:57	TL	TAL SAC
Total/NA	Analysis	8081A		5			542519	11/13/21 19:42	K1D	TAL SAC
Total/NA	Prep	3546			15.01 g	5 mL	539467	11/03/21 07:59	TL	TAL SAC
Total/NA	Analysis	8082		1			543265	11/17/21 00:29	K1D	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 16:43	GSH	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S6B-2
Lab Sample ID: 320-80943-16
Date Collected: 10/27/21 10:26
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.99 g	5 mL	539466	11/03/21 07:57	TL	TAL SAC
Total/NA	Analysis	8081A		1			542519	11/13/21 20:01	K1D	TAL SAC

Client Sample ID: AOC3-S6A-0.5
Lab Sample ID: 320-80943-17
Date Collected: 10/27/21 10:28
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.06 g	5 mL	539466	11/03/21 07:57	TL	TAL SAC
Total/NA	Analysis	8081A		20			542519	11/13/21 20:58	K1D	TAL SAC
Total/NA	Prep	3546			15.06 g	5 mL	539467	11/03/21 07:59	TL	TAL SAC
Total/NA	Analysis	8082		1			543265	11/17/21 00:49	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 16:47	GSH	TAL SAC

Client Sample ID: AOC3-S6A-2
Lab Sample ID: 320-80943-18
Date Collected: 10/27/21 10:30
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.67 g	5 mL	539525	11/03/21 10:14	NGK	TAL SAC
Total/NA	Analysis	8081A		2			542188	11/12/21 18:24	K1D	TAL SAC

Client Sample ID: AOC3-S7A-0.5
Lab Sample ID: 320-80943-19
Date Collected: 10/27/21 10:35
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.35 g	5 mL	539525	11/03/21 10:14	NGK	TAL SAC
Total/NA	Analysis	8081A		10			542188	11/12/21 18:42	K1D	TAL SAC
Total/NA	Prep	3546			15.35 g	5 mL	539538	11/03/21 10:18	NGK	TAL SAC
Total/NA	Analysis	8082		1			543943	11/18/21 19:25	K1D	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 16:51	GSH	TAL SAC

Client Sample ID: AOC3-S7A-2
Lab Sample ID: 320-80943-20
Date Collected: 10/27/21 10:38
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.48 g	5 mL	539525	11/03/21 10:14	NGK	TAL SAC
Total/NA	Analysis	8081A		1			542188	11/12/21 19:39	K1D	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S7B-0.5

Lab Sample ID: 320-80943-21

Date Collected: 10/27/21 10:43

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.71 g	5 mL	539525	11/03/21 10:17	NGK	TAL SAC
Total/NA	Analysis	8081A		10			542188	11/12/21 19:58	K1D	TAL SAC
Total/NA	Prep	3546			15.71 g	5 mL	539538	11/03/21 10:18	NGK	TAL SAC
Total/NA	Analysis	8082		1			543943	11/18/21 19:46	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 16:55	GSH	TAL SAC

Client Sample ID: AOC3-S7B-2

Lab Sample ID: 320-80943-22

Date Collected: 10/27/21 10:47

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.82 g	5 mL	539525	11/03/21 10:17	NGK	TAL SAC
Total/NA	Analysis	8081A		2			542188	11/12/21 20:17	K1D	TAL SAC

Client Sample ID: AOC3/AOC10-S8A-0.5

Lab Sample ID: 320-80943-23

Date Collected: 10/27/21 11:01

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			30.22 g	10 mL	539206	11/02/21 11:54	SJ	TAL SAC
Total/NA	Analysis	8270C		40			541624	11/11/21 11:17	D1R	TAL SAC
Total/NA	Prep	3546			10.14 g	1 mL	539143	11/02/21 09:36	SJ	TAL SAC
Total/NA	Analysis	8270C SIM		50			540863	11/08/21 11:04	Y1S	TAL SAC
Total/NA	Prep	3546			15.34 g	5 mL	539525	11/03/21 10:17	NGK	TAL SAC
Total/NA	Analysis	8081A		10			542188	11/12/21 20:36	K1D	TAL SAC
Total/NA	Prep	3546			15.34 g	5 mL	539538	11/03/21 10:18	NGK	TAL SAC
Total/NA	Analysis	8082		1			543943	11/18/21 20:48	K1D	TAL SAC
Total/NA	Prep	3050B			2.03 g	100 mL	192816	11/09/21 08:59	WL8G	ECL 1
Total/NA	Analysis	6010B		1			193505	11/10/21 17:32	ULPF	ECL 1
Total/NA	Prep	7471A			.59 g	100 mL	192815	11/09/21 08:55	WL8G	ECL 1
Total/NA	Analysis	7471A		1			192900	11/09/21 12:31	VWJ7	ECL 1

Client Sample ID: AOC3/AOC10-S8A-2

Lab Sample ID: 320-80943-24

Date Collected: 10/27/21 11:03

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			30.53 g	1 mL	539206	11/02/21 11:54	SJ	TAL SAC
Total/NA	Analysis	8270C		20			541624	11/11/21 11:41	D1R	TAL SAC
Total/NA	Prep	3546			10.24 g	1 mL	539143	11/02/21 09:36	SJ	TAL SAC
Total/NA	Analysis	8270C SIM		1			547670	12/02/21 15:01	KT	TAL SAC
Total/NA	Prep	3546			15.77 g	5 mL	539525	11/03/21 10:17	NGK	TAL SAC
Total/NA	Analysis	8081A		1			542188	11/12/21 20:54	K1D	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S8A-2

Lab Sample ID: 320-80943-24

Date Collected: 10/27/21 11:03

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.10 g	100 mL	192816	11/09/21 08:59	WL8G	ECL 1
Total/NA	Analysis	6010B		1			193505	11/10/21 17:34	ULPF	ECL 1
Total/NA	Prep	7471A			.60 g	100 mL	192815	11/09/21 08:55	WL8G	ECL 1
Total/NA	Analysis	7471A		1			192900	11/09/21 12:33	VWJ7	ECL 1

Client Sample ID: AOC3/AOC10-S8B-0.5

Lab Sample ID: 320-80943-25

Date Collected: 10/27/21 11:27

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			30.70 g	10 mL	539206	11/02/21 11:54	SJ	TAL SAC
Total/NA	Analysis	8270C		40			541624	11/11/21 12:06	D1R	TAL SAC
Total/NA	Prep	3546			10.86 g	1 mL	539143	11/02/21 09:36	SJ	TAL SAC
Total/NA	Analysis	8270C SIM		50			540863	11/08/21 12:03	Y1S	TAL SAC
Total/NA	Prep	3546			15.95 g	5 mL	539858	11/04/21 09:18	TL	TAL SAC
Total/NA	Analysis	8081A		5			541611	11/10/21 19:05	K1D	TAL SAC
Total/NA	Prep	3546			15.95 g	5 mL	539860	11/04/21 09:21	TL	TAL SAC
Total/NA	Analysis	8082		1			541881	11/11/21 14:21	VMN	TAL SAC
Total/NA	Prep	3050B			1.95 g	100 mL	192816	11/09/21 08:59	WL8G	ECL 1
Total/NA	Analysis	6010B		1			193505	11/10/21 17:36	ULPF	ECL 1
Total/NA	Prep	7471A			.58 g	100 mL	192815	11/09/21 08:55	WL8G	ECL 1
Total/NA	Analysis	7471A		1			192900	11/09/21 12:35	VWJ7	ECL 1

Client Sample ID: AOC3/AOC10-S8B-2

Lab Sample ID: 320-80943-26

Date Collected: 10/27/21 11:29

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			30.93 g	1 mL	539206	11/02/21 11:54	SJ	TAL SAC
Total/NA	Analysis	8270C		40			541624	11/11/21 12:31	D1R	TAL SAC
Total/NA	Prep	3546			10.91 g	1 mL	539143	11/02/21 09:36	SJ	TAL SAC
Total/NA	Analysis	8270C SIM		1			547670	12/02/21 15:30	KT	TAL SAC
Total/NA	Prep	3546			15.31 g	5 mL	539858	11/04/21 09:18	TL	TAL SAC
Total/NA	Analysis	8081A		1			541611	11/10/21 19:23	K1D	TAL SAC
Total/NA	Prep	3050B			1.98 g	100 mL	192816	11/09/21 08:59	WL8G	ECL 1
Total/NA	Analysis	6010B		1			193505	11/10/21 17:38	ULPF	ECL 1
Total/NA	Prep	7471A			.61 g	100 mL	192815	11/09/21 08:55	WL8G	ECL 1
Total/NA	Analysis	7471A		1			192900	11/09/21 12:37	VWJ7	ECL 1

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S9C-0.5

Lab Sample ID: 320-80943-27

Date Collected: 10/27/21 11:41
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			30.64 g	10 mL	539206	11/02/21 11:59	SJ	TAL SAC
Total/NA	Analysis	8270C		40			541624	11/11/21 12:56	D1R	TAL SAC
Total/NA	Prep	3546			10.16 g	1 mL	539143	11/02/21 09:36	SJ	TAL SAC
Total/NA	Analysis	8270C SIM		50			540863	11/08/21 13:03	Y1S	TAL SAC
Total/NA	Prep	3546			15.43 g	5 mL	539858	11/04/21 09:18	TL	TAL SAC
Total/NA	Analysis	8081A		5			541611	11/10/21 19:42	K1D	TAL SAC
Total/NA	Prep	3546			15.43 g	5 mL	539860	11/04/21 09:21	TL	TAL SAC
Total/NA	Analysis	8082		1			541881	11/11/21 14:42	VMN	TAL SAC
Total/NA	Prep	3050B			1.93 g	100 mL	192816	11/09/21 08:59	WL8G	ECL 1
Total/NA	Analysis	6010B		1			193505	11/10/21 17:40	ULPF	ECL 1
Total/NA	Prep	7471A			.60 g	100 mL	192815	11/09/21 08:55	WL8G	ECL 1
Total/NA	Analysis	7471A		1			192900	11/09/21 12:42	VWJ7	ECL 1

Client Sample ID: AOC3/AOC10-S9C-0.5DUP

Lab Sample ID: 320-80943-28

Date Collected: 10/27/21 11:41
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			30.90 g	10 mL	539206	11/02/21 11:59	SJ	TAL SAC
Total/NA	Analysis	8270C		40			541624	11/11/21 13:21	D1R	TAL SAC
Total/NA	Prep	3546			10.05 g	1 mL	539143	11/02/21 09:36	SJ	TAL SAC
Total/NA	Analysis	8270C SIM		50			540863	11/08/21 13:32	Y1S	TAL SAC
Total/NA	Prep	3546			15.30 g	5 mL	539858	11/04/21 09:18	TL	TAL SAC
Total/NA	Analysis	8081A		5			541611	11/10/21 20:01	K1D	TAL SAC
Total/NA	Prep	3546			15.30 g	5 mL	539860	11/04/21 09:21	TL	TAL SAC
Total/NA	Analysis	8082		1			541881	11/11/21 15:02	VMN	TAL SAC
Total/NA	Prep	3050B			1.99 g	100 mL	192816	11/09/21 08:59	WL8G	ECL 1
Total/NA	Analysis	6010B		1			193505	11/10/21 17:49	ULPF	ECL 1
Total/NA	Prep	7471A			.59 g	100 mL	192815	11/09/21 08:55	WL8G	ECL 1
Total/NA	Analysis	7471A		1			192900	11/09/21 12:44	VWJ7	ECL 1

Client Sample ID: AOC3/AOC10-S9C-2

Lab Sample ID: 320-80943-29

Date Collected: 10/27/21 11:44
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			30.73 g	10 mL	539206	11/02/21 11:59	SJ	TAL SAC
Total/NA	Analysis	8270C		100			541624	11/11/21 13:46	D1R	TAL SAC
Total/NA	Prep	3546			10.19 g	1 mL	539143	11/02/21 09:36	SJ	TAL SAC
Total/NA	Analysis	8270C SIM		50			540863	11/08/21 14:02	Y1S	TAL SAC
Total/NA	Prep	3546			15.60 g	5 mL	539858	11/04/21 09:18	TL	TAL SAC
Total/NA	Analysis	8081A		10			541611	11/10/21 20:20	K1D	TAL SAC
Total/NA	Prep	3050B			2.05 g	100 mL	192816	11/09/21 08:59	WL8G	ECL 1
Total/NA	Analysis	6010B		1			193505	11/10/21 17:51	ULPF	ECL 1

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC10-S9C-2

Lab Sample ID: 320-80943-29
Date Collected: 10/27/21 11:44
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			.63 g	100 mL	192815	11/09/21 08:55	WL8G	ECL 1
Total/NA	Analysis	7471A		1			192900	11/09/21 12:46	VWJ7	ECL 1

Client Sample ID: AOC3-S8D-0.5

Lab Sample ID: 320-80943-30
Date Collected: 10/27/21 11:45
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.18 g	5 mL	539858	11/04/21 09:18	TL	TAL SAC
Total/NA	Analysis	8081A		5			541611	11/10/21 20:39	K1D	TAL SAC
Total/NA	Prep	3546			15.18 g	5 mL	539860	11/04/21 09:21	TL	TAL SAC
Total/NA	Analysis	8082		1			541881	11/11/21 15:23	VMN	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 16:59	GSH	TAL SAC

Client Sample ID: AOC3-S8D-2

Lab Sample ID: 320-80943-31
Date Collected: 10/27/21 11:50
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.10 g	5 mL	539858	11/04/21 09:18	TL	TAL SAC
Total/NA	Analysis	8081A		1			541611	11/10/21 20:58	K1D	TAL SAC

Client Sample ID: AOC3/AOC8-S8C-0.5

Lab Sample ID: 320-80943-32
Date Collected: 10/27/21 11:55
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.51 g	5 mL	539858	11/04/21 09:18	TL	TAL SAC
Total/NA	Analysis	8081A		10			541611	11/10/21 21:17	K1D	TAL SAC
Total/NA	Prep	3546			15.51 g	5 mL	539860	11/04/21 09:21	TL	TAL SAC
Total/NA	Analysis	8082		1			541881	11/11/21 15:44	VMN	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 17:02	GSH	TAL SAC

Client Sample ID: AOC3/AOC8-S8C-2

Lab Sample ID: 320-80943-33
Date Collected: 10/27/21 12:00
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.48 g	5 mL	539858	11/04/21 09:18	TL	TAL SAC
Total/NA	Analysis	8081A		1			541611	11/10/21 21:35	K1D	TAL SAC

Client Sample ID: AOC3-S7C-0.5

Lab Sample ID: 320-80943-34

Date Collected: 10/27/21 11:59

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.07 g	5 mL	539858	11/04/21 09:18	TL	TAL SAC
Total/NA	Analysis	8081A		5			541611	11/10/21 21:54	K1D	TAL SAC
Total/NA	Prep	3546			15.07 g	5 mL	539860	11/04/21 09:21	TL	TAL SAC
Total/NA	Analysis	8082		1			541881	11/11/21 16:04	VMN	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 17:06	GSH	TAL SAC

Client Sample ID: AOC3-S7C-2

Lab Sample ID: 320-80943-35

Date Collected: 10/27/21 12:01

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.11 g	5 mL	539858	11/04/21 09:18	TL	TAL SAC
Total/NA	Analysis	8081A		1			541611	11/10/21 22:13	K1D	TAL SAC

Client Sample ID: AOC3-S6C-0.5

Lab Sample ID: 320-80943-36

Date Collected: 10/27/21 12:05

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.61 g	5 mL	539858	11/04/21 09:18	TL	TAL SAC
Total/NA	Analysis	8081A		10			541611	11/10/21 22:32	K1D	TAL SAC
Total/NA	Prep	3546			15.61 g	5 mL	539860	11/04/21 09:21	TL	TAL SAC
Total/NA	Analysis	8082		1			541881	11/11/21 16:25	VMN	TAL SAC
Total/NA	Prep	3050B			1.04 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 17:10	GSH	TAL SAC

Client Sample ID: AOC3-S6C-2

Lab Sample ID: 320-80943-37

Date Collected: 10/27/21 12:07

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.33 g	5 mL	539858	11/04/21 09:18	TL	TAL SAC
Total/NA	Analysis	8081A		1			541611	11/10/21 22:51	K1D	TAL SAC

Client Sample ID: AOC3-S7D-0.5

Lab Sample ID: 320-80943-38

Date Collected: 10/27/21 12:25

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.65 g	5 mL	539858	11/04/21 09:18	TL	TAL SAC
Total/NA	Analysis	8081A		5			541611	11/10/21 23:10	K1D	TAL SAC
Total/NA	Prep	3546			15.65 g	5 mL	539860	11/04/21 09:21	TL	TAL SAC
Total/NA	Analysis	8082		1			541881	11/11/21 16:45	VMN	TAL SAC
Total/NA	Prep	3050B			2.00 g	100 mL	192816	11/09/21 08:59	WL8G	ECL 1
Total/NA	Analysis	6010B		1			193505	11/10/21 18:25	ULPF	ECL 1

Client Sample ID: AOC3-S7D-0.5

Lab Sample ID: 320-80943-38

Date Collected: 10/27/21 12:25

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			.58 g	100 mL	192815	11/09/21 08:55	WL8G	ECL 1
Total/NA	Analysis	7471A		1			192900	11/09/21 12:48	VWJ7	ECL 1

Client Sample ID: AOC3-S7D-2

Lab Sample ID: 320-80943-39

Date Collected: 10/27/21 12:30

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.79 g	5 mL	539858	11/04/21 09:18	TL	TAL SAC
Total/NA	Analysis	8081A		1			542188	11/12/21 21:13	K1D	TAL SAC
Total/NA	Prep	3050B			1.94 g	100 mL	192816	11/09/21 08:59	WL8G	ECL 1
Total/NA	Analysis	6010B		1			193505	11/10/21 18:27	ULPF	ECL 1
Total/NA	Prep	7471A			.61 g	100 mL	192815	11/09/21 08:55	WL8G	ECL 1
Total/NA	Analysis	7471A		1			192900	11/09/21 12:50	VWJ7	ECL 1

Client Sample ID: AOC3-S5C-0.5

Lab Sample ID: 320-80943-40

Date Collected: 10/27/21 12:30

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.68 g	5 mL	539858	11/04/21 09:18	TL	TAL SAC
Total/NA	Analysis	8081A		10			542188	11/12/21 21:32	K1D	TAL SAC
Total/NA	Prep	3546			15.68 g	5 mL	539860	11/04/21 09:21	TL	TAL SAC
Total/NA	Analysis	8082		1			541881	11/11/21 17:06	VMN	TAL SAC
Total/NA	Prep	3050B			1.05 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 17:14	GSH	TAL SAC

Client Sample ID: AOC3-S5C-2

Lab Sample ID: 320-80943-41

Date Collected: 10/27/21 12:35

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.60 g	5 mL	539858	11/04/21 09:18	TL	TAL SAC
Total/NA	Analysis	8081A		1			542188	11/12/21 21:51	K1D	TAL SAC

Client Sample ID: AOC3-S4C-0.5

Lab Sample ID: 320-80943-42

Date Collected: 10/27/21 12:35

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.45 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		10			544755	11/21/21 18:04	K1D	TAL SAC
Total/NA	Prep	3546			15.45 g	5 mL	540587	11/06/21 10:17	PT	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 19:28	K1D	TAL SAC
Total/NA	Prep	3050B			1.04 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 17:18	GSH	TAL SAC

Client Sample ID: AOC3-S4C-2

Lab Sample ID: 320-80943-43

Date Collected: 10/27/21 12:40

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.15 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		1			544755	11/21/21 19:01	K1D	TAL SAC

Client Sample ID: AOC3-S3C-0.5

Lab Sample ID: 320-80943-44

Date Collected: 10/27/21 12:50

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.62 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		10			544755	11/21/21 19:20	K1D	TAL SAC
Total/NA	Prep	3546			15.62 g	5 mL	540587	11/06/21 10:17	PT	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 19:48	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 17:29	GSH	TAL SAC

Client Sample ID: AOC3-S3C-2

Lab Sample ID: 320-80943-45

Date Collected: 10/27/21 12:55

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.07 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		5			544755	11/21/21 19:39	K1D	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 17:33	GSH	TAL SAC

Client Sample ID: AOC3-S1D-0.5

Lab Sample ID: 320-80943-46

Date Collected: 10/27/21 13:14

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.17 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		5			544755	11/21/21 19:57	K1D	TAL SAC
Total/NA	Prep	3546			15.17 g	5 mL	540587	11/06/21 10:17	PT	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 20:29	K1D	TAL SAC
Total/NA	Prep	3050B			1.97 g	100 mL	192816	11/09/21 08:59	WL8G	ECL 1
Total/NA	Analysis	6010B		1			193505	11/10/21 18:29	ULPF	ECL 1
Total/NA	Prep	7471A			.60 g	100 mL	192815	11/09/21 08:55	WL8G	ECL 1
Total/NA	Analysis	7471A		1			192900	11/09/21 12:52	VWJ7	ECL 1

Client Sample ID: AOC3-S1D-2

Lab Sample ID: 320-80943-47

Date Collected: 10/27/21 13:15

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.74 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		1			544755	11/21/21 20:16	K1D	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3/AOC8-S2D-0.5
Lab Sample ID: 320-80943-48
Date Collected: 10/27/21 13:16
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.04 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		5			544755	11/21/21 20:35	K1D	TAL SAC
Total/NA	Prep	3546			15.04 g	5 mL	540587	11/06/21 10:17	PT	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 20:50	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 17:37	GSH	TAL SAC

Client Sample ID: AOC3/AOC8-S2D-2
Lab Sample ID: 320-80943-49
Date Collected: 10/27/21 13:18
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.06 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		1			544755	11/21/21 20:54	K1D	TAL SAC

Client Sample ID: AOC3/AOC8-S1E-0.5
Lab Sample ID: 320-80943-50
Date Collected: 10/27/21 13:27
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.51 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		10			544755	11/21/21 21:13	K1D	TAL SAC
Total/NA	Prep	3546			15.51 g	5 mL	540587	11/06/21 10:17	PT	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 21:10	K1D	TAL SAC
Total/NA	Prep	3050B			1.05 g	100 mL	538889	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 17:41	GSH	TAL SAC

Client Sample ID: AOC3/AOC8-S1E-2
Lab Sample ID: 320-80943-51
Date Collected: 10/27/21 13:29
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.20 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		1			544755	11/21/21 21:32	K1D	TAL SAC

Client Sample ID: AOC3-S2E-0.5
Lab Sample ID: 320-80943-52
Date Collected: 10/27/21 13:30
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.55 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		10			544755	11/21/21 21:51	K1D	TAL SAC
Total/NA	Prep	3546			15.55 g	5 mL	540587	11/06/21 10:17	PT	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 21:31	K1D	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	538884	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 13:17	GSH	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S2E-2
Lab Sample ID: 320-80943-53
Date Collected: 10/27/21 13:32
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.06 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		1			544755	11/21/21 22:10	K1D	TAL SAC

Client Sample ID: AOC3-S3E-0.5
Lab Sample ID: 320-80943-54
Date Collected: 10/27/21 13:50
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.58 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		10			544755	11/21/21 22:29	K1D	TAL SAC
Total/NA	Prep	3546			15.58 g	5 mL	540587	11/06/21 10:17	PT	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 21:52	K1D	TAL SAC
Total/NA	Prep	3050B			1.05 g	100 mL	538884	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 13:21	GSH	TAL SAC

Client Sample ID: AOC3-S3E-2
Lab Sample ID: 320-80943-55
Date Collected: 10/27/21 13:52
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.17 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		1			544755	11/21/21 22:48	K1D	TAL SAC

Client Sample ID: AOC3-S3D-0.5
Lab Sample ID: 320-80943-56
Date Collected: 10/27/21 13:52
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.69 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		10			544755	11/21/21 23:06	K1D	TAL SAC
Total/NA	Prep	3546			15.69 g	5 mL	540587	11/06/21 10:17	PT	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 22:12	K1D	TAL SAC
Total/NA	Prep	3050B			1.05 g	100 mL	538884	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 13:25	GSH	TAL SAC

Client Sample ID: AOC3-S3D-2
Lab Sample ID: 320-80943-57
Date Collected: 10/27/21 13:54
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.09 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		1			544755	11/21/21 23:25	K1D	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Client Sample ID: AOC3-S4D-0.5

Lab Sample ID: 320-80943-58

Date Collected: 10/27/21 13:58

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.55 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		10			544755	11/21/21 23:44	K1D	TAL SAC
Total/NA	Prep	3546			15.55 g	5 mL	540587	11/06/21 10:17	PT	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 22:33	K1D	TAL SAC
Total/NA	Prep	3050B			1.05 g	100 mL	538884	11/01/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 13:29	GSH	TAL SAC

Client Sample ID: AOC3-S4D-2

Lab Sample ID: 320-80943-59

Date Collected: 10/27/21 14:00

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.73 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		1			544755	11/22/21 00:03	K1D	TAL SAC

Client Sample ID: AOC3-S4E-0.5

Lab Sample ID: 320-80943-60

Date Collected: 10/27/21 14:05

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.39 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		10			544755	11/22/21 00:22	K1D	TAL SAC
Total/NA	Prep	3546			15.39 g	5 mL	540587	11/06/21 10:18	PT	TAL SAC
Total/NA	Analysis	8082		1			543551	11/17/21 22:53	K1D	TAL SAC
Total/NA	Prep	3050B			1.92 g	100 mL	192816	11/09/21 08:59	WL8G	ECL 1
Total/NA	Analysis	6010B		1			193505	11/10/21 18:31	ULPF	ECL 1
Total/NA	Prep	7471A			.58 g	100 mL	192815	11/09/21 08:55	WL8G	ECL 1
Total/NA	Analysis	7471A		1			192900	11/09/21 12:54	VWJ7	ECL 1

Client Sample ID: AOC3-S4E-2

Lab Sample ID: 320-80943-61

Date Collected: 10/27/21 14:07

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.12 g	5 mL	540585	11/06/21 10:08	PT	TAL SAC
Total/NA	Analysis	8081A		1			544755	11/22/21 00:41	K1D	TAL SAC

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-22

Laboratory: Eurofins Calscience LLC

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

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

Method Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Method	Method Description	Protocol	Laboratory
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAC
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SAC
8081A	Organochlorine Pesticides (GC)	SW846	TAL SAC
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL SAC
6010B	Metals (ICP)	SW846	ECL 1
6010B	Metals (ICP)	SW846	TAL SAC
7471A	Mercury (CVAA)	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
3050B	Preparation, Metals	SW846	TAL SAC
3546	Microwave Extraction	SW846	TAL SAC
3550B	Ultrasonic Extraction	SW846	TAL SAC
7471A	Preparation, Mercury	SW846	ECL 1

Protocol References:

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-80943-1	AOC3-S3B-0.5	Solid	10/27/21 08:54	10/28/21 12:50
320-80943-2	AOC3-S3B-2	Solid	10/27/21 09:00	10/28/21 12:50
320-80943-3	AOC3-S2A-0.5	Solid	10/27/21 09:00	10/28/21 12:50
320-80943-4	AOC3-S2A-2	Solid	10/27/21 09:02	10/28/21 12:50
320-80943-5	AOC3-S3A-0.5	Solid	10/27/21 09:06	10/28/21 12:50
320-80943-6	AOC3-S3A-2	Solid	10/27/21 09:10	10/28/21 12:50
320-80943-7	AOC3-S4A-0.5	Solid	10/27/21 09:43	10/28/21 12:50
320-80943-8	AOC3-S4A-2	Solid	10/27/21 09:45	10/28/21 12:50
320-80943-9	AOC3-S5A-0.5	Solid	10/27/21 09:45	10/28/21 12:50
320-80943-10	AOC3-S5A-2	Solid	10/27/21 09:50	10/28/21 12:50
320-80943-11	AOC3-S4B-0.5	Solid	10/27/21 09:56	10/28/21 12:50
320-80943-12	AOC3-S4B-2	Solid	10/27/21 09:58	10/28/21 12:50
320-80943-13	AOC3/AOC8-S5B-0.5	Solid	10/27/21 10:00	10/28/21 12:50
320-80943-14	AOC3/AOC8-S5B-2	Solid	10/27/21 10:02	10/28/21 12:50
320-80943-15	AOC3-S6B-0.5	Solid	10/27/21 10:23	10/28/21 12:50
320-80943-16	AOC3-S6B-2	Solid	10/27/21 10:26	10/28/21 12:50
320-80943-17	AOC3-S6A-0.5	Solid	10/27/21 10:28	10/28/21 12:50
320-80943-18	AOC3-S6A-2	Solid	10/27/21 10:30	10/28/21 12:50
320-80943-19	AOC3-S7A-0.5	Solid	10/27/21 10:35	10/28/21 12:50
320-80943-20	AOC3-S7A-2	Solid	10/27/21 10:38	10/28/21 12:50
320-80943-21	AOC3-S7B-0.5	Solid	10/27/21 10:43	10/28/21 12:50
320-80943-22	AOC3-S7B-2	Solid	10/27/21 10:47	10/28/21 12:50
320-80943-23	AOC3/AOC10-S8A-0.5	Solid	10/27/21 11:01	10/28/21 12:50
320-80943-24	AOC3/AOC10-S8A-2	Solid	10/27/21 11:03	10/28/21 12:50
320-80943-25	AOC3/AOC10-S8B-0.5	Solid	10/27/21 11:27	10/28/21 12:50
320-80943-26	AOC3/AOC10-S8B-2	Solid	10/27/21 11:29	10/28/21 12:50
320-80943-27	AOC3/AOC10-S9C-0.5	Solid	10/27/21 11:41	10/28/21 12:50
320-80943-28	AOC3/AOC10-S9C-0.5DUP	Solid	10/27/21 11:41	10/28/21 12:50
320-80943-29	AOC3/AOC10-S9C-2	Solid	10/27/21 11:44	10/28/21 12:50
320-80943-30	AOC3-S8D-0.5	Solid	10/27/21 11:45	10/28/21 12:50
320-80943-31	AOC3-S8D-2	Solid	10/27/21 11:50	10/28/21 12:50
320-80943-32	AOC3/AOC8-S8C-0.5	Solid	10/27/21 11:55	10/28/21 12:50
320-80943-33	AOC3/AOC8-S8C-2	Solid	10/27/21 12:00	10/28/21 12:50
320-80943-34	AOC3-S7C-0.5	Solid	10/27/21 11:59	10/28/21 12:50
320-80943-35	AOC3-S7C-2	Solid	10/27/21 12:01	10/28/21 12:50
320-80943-36	AOC3-S6C-0.5	Solid	10/27/21 12:05	10/28/21 12:50
320-80943-37	AOC3-S6C-2	Solid	10/27/21 12:07	10/28/21 12:50
320-80943-38	AOC3-S7D-0.5	Solid	10/27/21 12:25	10/28/21 12:50
320-80943-39	AOC3-S7D-2	Solid	10/27/21 12:30	10/28/21 12:50
320-80943-40	AOC3-S5C-0.5	Solid	10/27/21 12:30	10/28/21 12:50
320-80943-41	AOC3-S5C-2	Solid	10/27/21 12:35	10/28/21 12:50
320-80943-42	AOC3-S4C-0.5	Solid	10/27/21 12:35	10/28/21 12:50
320-80943-43	AOC3-S4C-2	Solid	10/27/21 12:40	10/28/21 12:50
320-80943-44	AOC3-S3C-0.5	Solid	10/27/21 12:50	10/28/21 12:50
320-80943-45	AOC3-S3C-2	Solid	10/27/21 12:55	10/28/21 12:50
320-80943-46	AOC3-S1D-0.5	Solid	10/27/21 13:14	10/28/21 12:50
320-80943-47	AOC3-S1D-2	Solid	10/27/21 13:15	10/28/21 12:50
320-80943-48	AOC3/AOC8-S2D-0.5	Solid	10/27/21 13:16	10/28/21 12:50
320-80943-49	AOC3/AOC8-S2D-2	Solid	10/27/21 13:18	10/28/21 12:50
320-80943-50	AOC3/AOC8-S1E-0.5	Solid	10/27/21 13:27	10/28/21 12:50
320-80943-51	AOC3/AOC8-S1E-2	Solid	10/27/21 13:29	10/28/21 12:50
320-80943-52	AOC3-S2E-0.5	Solid	10/27/21 13:30	10/28/21 12:50
320-80943-53	AOC3-S2E-2	Solid	10/27/21 13:32	10/28/21 12:50
320-80943-54	AOC3-S3E-0.5	Solid	10/27/21 13:50	10/28/21 12:50
320-80943-55	AOC3-S3E-2	Solid	10/27/21 13:52	10/28/21 12:50

Sample Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-80943-56	AOC3-S3D-0.5	Solid	10/27/21 13:52	10/28/21 12:50
320-80943-57	AOC3-S3D-2	Solid	10/27/21 13:54	10/28/21 12:50
320-80943-58	AOC3-S4D-0.5	Solid	10/27/21 13:58	10/28/21 12:50
320-80943-59	AOC3-S4D-2	Solid	10/27/21 14:00	10/28/21 12:50
320-80943-60	AOC3-S4E-0.5	Solid	10/27/21 14:05	10/28/21 12:50
320-80943-61	AOC3-S4E-2	Solid	10/27/21 14:07	10/28/21 12:50

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

320-80943

201237

eurofins

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Nathan Diem	Date: 10.27.21	COC No:
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier:	1 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: NDD & NES
Alameda California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below			Lab Sampling:
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC3-S3B-0.5	10.27.21	854	G	S	1							X	X		X	
AOC3-S3B-2 ND		900										X				
AOC3-S2A-0.5 ND		900										X	X		X	
AOC3-S2A-2		902										X				
AOC3-S3A-0.5		906										X	X		X	
AOC3-S3A-2		910										X				
AOC3-S4A-0.5		943										X	X		X	
AOC3-S4A-2		945										X				
AOC3-S5A-0.5		945								X		X	X			
AOC3-S5A-2		950										X				
AOC3-S4B-0.5		956										X	X		X	

320-80943 Chain of Custody

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments: Hold samples for addional analysis

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp. (°C): Obs'd: _____ Corr'd _____ Therm ID No _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	N&M	10.27.21 1520	Received by: Leslie Jung	N&M	1027 1520
Relinquished by: Leslie Jung	N&M	10/28 1144	Received by:	ETA-SJ	10.28.21 1144
Relinquished by:	ETA-SJ	10.28.21 1250	Received in Laboratory by:	ETA-SJ	10/28/21 1250

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

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2.5 | 2.4

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Nathan	Date 10.27.21	COC No
Ninyo & Moore	Email. ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier	2 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler
Alameda, California 94501	**Analysis Turnaround Time**			For Lab Use Only
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling:
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC3-54B-2	10.27.21	958	G	S	1							X	*			
AOC3/AOC8-55B-0.5		1000										X	X	X	X	
AOC3/AOC8-55B-2		1002										X		X		
AOC3-56B-0.5		1023										X	X		X	
AOC3-56B-2		1026										X				
AOC3-56A-0.5		1028										X	X		X	
AOC3-56A-2		1030										X	ND		ND	
AOC3-57A-0.5		1035										X	X		X	
AOC3-57A-2		1038										X				
AOC3-57B-0.5		1043										X	X		X	
AOC3-57B-2		1047										X				

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

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

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

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

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

Special Instructions/QC Requirements & Comments.

Hold samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temp. (°C): Obs'd._____ Corr'd._____ Therm ID No._____			
Relinquished by:	Company: NEM	Date/Time: 10.27.21 1520	Received by: Leslie Jung	Company: N&M	Date/Time: 1520
Relinquished by: Leslie Jung	Company: N&M	Date/Time: 10.27 1144	Received by:	Company: EA-SJ	Date/Time: 10.28.21 1144
Relinquished by:	Company: EA SJ	Date/Time: 10.28.21 1250	Received in Laboratory by:	Company: EASJ	Date/Time: 10.28.21 1250

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

12/15/2021 (Rev. 1)

Eurofins TestAmerica, Sacramento
880 Riverside Parkway

West Sacramento CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

eurofins

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

Client Contact	Project Manager: Nathan Diem	Site Contact: Nathan Diem	Date: 10.27.21	COC No:
Ninyo & Moore	Email ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier:	3 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler:
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes.
AOC3/AOC10-S8A-0.5	10.27.21	1101	G	S	1				X	X	X	X	X			
AOC3/AOC10-S8A-2		1103							X	X	X	X				
AOC3/AOC10-S8B-0.5		1127							X	X	X	X	X			
~~AOC3/AOC10-S8B-0.5~~																
AOC3/AOC10-S8B-2		1129							X	X	X	X				
AOC3/AOC10-S9C-0.5		1141							X	X	X	X	X			
AOC3/AOC10-S9C-05 DUP		1141							X	X	X	X	X			
AOC3/AOC10-S9C-2		1144							X	X	X	X				
AOC3-S8D-0.5		1145										X	X		X	
AOC3-S8D-2.0		1150										X				
AOC3/AOC8-S8C-0.5		1155										X	X	X	X	

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

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

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

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

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

Special Instructions/QC Requirements & Comments

Hold samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temp. (°C): Obs'd: _____ Corr'd. _____ Therm ID No. _____			
Relinquished by:	Company: N&M	Date/Time: 10 27.21 1530	Received by: Leslie Jung	Company: N&M	Date/Time: 10/27 15 20
Relinquished by: Leslie Jung	Company: N&M	Date/Time: 10 27 11 44	Received by:	Company: EA SJ	Date/Time: 10/28/21 1144
Relinquished by:	Company: EA SJ	Date/Time: 10/28/21 1250	Received in Laboratory by:	Company: EA SS	Date/Time: 10/28/21 1250

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

12/15/2021 (Rev. 1)

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Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

eurofins

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact:	Date:	COC No.
Ninyo & Moore	Email ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier:	4 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler:
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling
Project Name: Cole School PEA	☑ 2 weeks			Job / SDG No
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC3/AOC8-58C-2	10.27.21	1200	G	S	1							X		X		
AOC3-57C-0.5		1159										X	X		X	
AOC3-57C-2		1201										X	[illegible]			
AOC3-56C-0.5		1205										X	X		X	
AOC3-56C-2		1207										X				
AOC3-57D-0.5		1225								X		X	X			
AOC3-57D-2		1230								X		X				
AOC3-55C-0.5		1230										X	X		X	
AOC3-55C-2		1235										X				
AOC3-54C-0.5		1235										X	X		X	
AOC3-54C-2		1240										X				

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments
Hold samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp (°C): Obs'd._____ Corr'd._____ Therm ID No. _____			
Relinquished by: [signature]	Company: N&M	Date/Time: 10.27.21 1520	Received by: Vestie Jung	Company: N&M	Date/Time: 10/27 1520
Relinquished by: Vestie Jung	Company: N&M	Date/Time: 10/28 1144	Received by: [signature]	Company: ETA SV	Date/Time: 10/28/21 1144
Relinquished by: [signature]	Company: ETA-SV	Date/Time: 10/28/21 1250	Received in Laboratory by: [signature]	Company: TMSS	Date/Time: 10/28/21 1250

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

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Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

eurofins

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

Client Contact	Project Manager: Nathan Diem	Site Contact: Nathan Diem	Date: 10.27.21	COC No.
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier:	5 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler:
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling:
Project Name. Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes.
AOC3-S3C-0.5	10.27.21	12:50										X	X		X	
AOC3-S3C-2	"	1255										X	X		X	
AOC3-S1D-0.5		1314								X		X	X			
AOC3-S1D-2		1315								~~X~~ END		X				
AOC3/AOC8-S2D-0.5		1316										X	X	X	X	
AOC3/AOC8-S2D-2		1318										X		X		
AOC3/AOC8-S1E-0.5		1327										X	X	X	X	
AOC3/AOC8-S1E-2		1329										X		X		
AOC3-S2E-0.5		1330										X	X		X	
AOC3-S2E-2 ~~END~~		1332										X				
AOC3-S3E-0.5		1350										X	X		X	

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments:
Hold Samples for additional Analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp. (°C): Obs'd: _____ Corr'd _____ Therm ID No. _____			
Relinquished by:	Company: N&M	Date/Time: 10.27.21 1520	Received by: Leslie Jung	Company: N&M	Date/Time: 10/27 15:20
Relinquished by: Leslie Jung	Company: N&M	Date/Time: 10/28 1144	Received by:	Company: ETA-SJ	Date/Time: 10.28.21 1144
Relinquished by:	Company: ETA-SJ	Date/Time: 10.28.21 1250	Received in Laboratory by:	Company: ETA-SJ	Date/Time: 10/28/21 1250

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

12/15/2021 (Rev. 1)

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Nathan Diem	Date: 10.27.21	COC No:
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier:	6 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler:
Alameda, California 94501	Analysis Turnaround Time: ☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(510) 343-3000	TAT if different from Below ____			Walk-in Client:
(510) 343-3001	☐ 2 weeks			Lab Sampling:
Project Name: Cole School PEA	☐ 1 week			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 2 days			
P O # 403668001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes.
~~NS~~ AOC3-S3E-2	10.27.21	1352	G	S	1							X				
AOC3-S3D-0.5		1352										X	X		X	
AOC3-S3D-2		1354										X	~~X~~		~~X~~	
AOC3-S4D-0.5		1358										X	X		X	
AOC3-S4D-2		1400										X				
AOC3-S4E-0.5		1405								X		X	X			
AOC3-S4E-2		1407										X				

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for ____ Months

Special Instructions/QC Requirements & Comments.
Hold samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp (°C): Obs'd.	Corr'd:	Therm ID No.:

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	N&M	10.27.21 1520	Leslie Jung	N&M	10/27 1520
Leslie Jung	N&M	10/28 1144		ETA-SF	10/28/21 1144
	ETA SF	10/28/21 1250		ETA SF	10/28/21 1250

Received in Laboratory by: ____ Company: ____ Date/Time: ____

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

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12/15/2021 (Rev. 1)

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247275.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 1 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80943-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/3/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8270C/3550B (MOD) Local Method	8270C_SIM/3546 (MOD) PAH SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S3B-0.5 (320-80943-1)	10/27/21	08:54 Pacific		Solid			X	X	X				1	
AOC3-S3B-2ND (320-80943-2)	10/27/21	09:00 Pacific		Solid				X					1	
AOC3-S2A-0.5ND (320-80943-3)	10/27/21	09:00 Pacific		Solid			X	X	X				1	
AOC3-S2A-2 (320-80943-4)	10/27/21	09:02 Pacific		Solid				X					1	
AOC3-S3A-0.5 (320-80943-5)	10/27/21	09:06 Pacific		Solid			X	X	X				1	
AOC3-S3A-2 (320-80943-6)	10/27/21	09:10 Pacific		Solid				X					1	
AOC3-S4A-0.5 (320-80943-7)	10/27/21	09:43 Pacific		Solid			X	X	X				1	
AOC3-S4A-2 (320-80943-8)	10/27/21	09:45 Pacific		Solid				X					1	
AOC3-S5A-0.5 (320-80943-9)	10/27/21	09:45 Pacific		Solid				X	X				1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature] 1600	10/28/21	ECMS	Paul dcs	10/28/21 1600	DCS
2	[signature] 1600	Date/Time:	Company	Received by: Paul dcs	Date/Time: 1900	Company
3	Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 10-28-21 19:00	Company EETEAC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.5 & 2.2

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247275.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 2 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80943-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/3/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8270C/3550B (MOD) Local Method	8270C_SIM/3546 (MOD) PAH SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S5A-2 (320-80943-10)	10/27/21	09:50 Pacific		Solid				X					1	
AOC3-S4B-0.5 (320-80943-11)	10/27/21	09:56 Pacific		Solid			X	X	X				1	
AOC3-S4B-2 (320-80943-12)	10/27/21	09:58 Pacific		Solid				X					1	
AOC3/AOC8-S5B-0.5 (320-80943-13)	10/27/21	10:00 Pacific		Solid			X	X	X	X			1	
AOC3/AOC8-S5B-2 (320-80943-14)	10/27/21	10:02 Pacific		Solid				X		X			1	
AOC3-A6B-0.5 (320-80943-15)	10/27/21	10:23 Pacific		Solid			X	X	X				1	
AOC3-A6B-2 (320-80943-16)	10/27/21	10:26 Pacific		Solid				X					1	
AOC3-S6A-0.5 (320-80943-17)	10/27/21	10:28 Pacific		Solid			X	X	X				1	
AOC3-S6A-2 (320-80943-18)	10/27/21	10:30 Pacific		Solid				X					1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature] 1600	10/28/21	TAS	Paul dcs	10/28/21 1600	DCS
2	[signature] 1900			Paul dcs	1900	
3				[signature]	10-28-21 19:00	EETSAC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247275.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 3 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80943-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/3/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8270C/3550B (MOD) Local Method	8270C_SIM/3546 (MOD) PAH SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S7A-0.5 (320-80943-19)	10/27/21	10:35 Pacific		Solid			X	X	X				1	
AOC3-S7A-2 (320-80943-20)	10/27/21	10:38 Pacific		Solid				X					1	
AOC3-S7B-0.5 (320-80943-21)	10/27/21	10:43 Pacific		Solid			X	X	X				1	
AOC3-S7B-2 (320-80943-22)	10/27/21	10:47 Pacific		Solid				X					1	
AOC3/AOC10-S8A-0.5 (320-80943-23)	10/27/21	11:01 Pacific		Solid				X	X		X	X	1	
AOC3/AOC10-S8A-2 (320-80943-24)	10/27/21	11:03 Pacific		Solid				X			X	X	1	
AOC3/AOC10-S8B-0.5 (320-80943-25)	10/27/21	11:27 Pacific		Solid				X	X		X	X	1	
AOC3/AOC10-S8B-2 (320-80943-26)	10/27/21	11:29 Pacific		Solid				X			X	X	1	
AOC3/AOC10-S9C-0.5 (320-80943-27)	10/27/21	11:41 Pacific		Solid				X	X		X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature] 1600	10/28/21	TestAmerica	Paul dcs	10/28/21 1600	DCS
2	[signature] 1900		Company	Paul dcs	1900	Company
3	Relinquished by:	Date/Time:	Company	Received by: [signature]	10-28-21 19:00	EETSAC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247275.4
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 4 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80943-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/3/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8270C/3550B (MOD) Local Method	8270C_SIM/3546 (MOD) PAH SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3/AOC10-S9C-0.5DUP (320-80943-28)	10/27/21	11:41 Pacific		Solid				X	X		X	X	1	
AOC3/AOC10-S9C-2 (320-80943-29)	10/27/21	11:44 Pacific		Solid				X			X	X	1	
AOC3-S8D-0.5 (320-80943-30)	10/27/21	11:45 Pacific		Solid			X	X	X				1	
AOC3-S8D-2 (320-80943-31)	10/27/21	11:50 Pacific		Solid				X					1	
AOC3/AOC8-S8C-0.5 (320-80943-32)	10/27/21	11:55 Pacific		Solid			X	X	X	X			1	
AOC3/AOC8-S8C-2 (320-80943-33)	10/27/21	12:00 Pacific		Solid				X		X			1	
AOC3-S7C-0.5 (320-80943-34)	10/27/21	11:59 Pacific		Solid			X	X	X				1	
AOC3-S7C-2 (320-80943-35)	10/27/21	12:01 Pacific		Solid				X					1	
AOC3-S6C-0.5 (320-80943-36)	10/27/21	12:05 Pacific		Solid			X	X	X				1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	1600	10/28/21	FEDEX	dcs Paul	10/28/21 1600	DCS
2	1900			dcs Paul	1900	
3					10-28-21/19:00	EETSAC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247275.5
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 5 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80943-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/3/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

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

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8270C/3550B (MOD) Local Method	8270C_SIM/3546 (MOD) PAH SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S6C-2 (320-80943-37)	10/27/21	12:07 Pacific		Solid				X					1	
AOC3-S7D-0.5 (320-80943-38)	10/27/21	12:25 Pacific		Solid				X	X				1	
AOC3-S7D-2 (320-80943-39)	10/27/21	12:30 Pacific		Solid				X					1	
AOC3-S5C-0.5 (320-80943-40)	10/27/21	12:30 Pacific		Solid			X	X	X				1	
AOC3-S5C-2 (320-80943-41)	10/27/21	12:35 Pacific		Solid				X					1	
AOC3-S4C-0.5 (320-80943-42)	10/27/21	12:35 Pacific		Solid			X	X	X				1	
AOC3-S4C-2 (320-80943-43)	10/27/21	12:40 Pacific		Solid				X					1	
AOC3-S3C-0.5 (320-80943-44)	10/27/21	12:50 Pacific		Solid			X	X	X				1	
AOC3-S3C-2 (320-80943-45)	10/27/21	12:55 Pacific		Solid			X	X	X				1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification
Unconfirmed

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

Deliverable Requested: I, II, III, IV, Other (specify) | Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature] 1600	10/28/21	EETSJ	Paul dcs	10/28/21 1600	DCS
[signature] 1900			Paul dcs	1900	
			[signature] Chin	10-28-21 / A:00	EETSAC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247275.6
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 6 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80943-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/3/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8270C/3550B (MOD) Local Method	8270C_SIM/3546 (MOD) PAH SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S1D-0.5 (320-80943-46)	10/27/21	13:14 Pacific		Solid				X	X				1	
AOC3-S1D-2 (320-80943-47)	10/27/21	13:15 Pacific		Solid				X					1	
AOC3/AOC8-S2D-0.5 (320-80943-48)	10/27/21	13:16 Pacific		Solid			X	X	X	X			1	
AOC3/AOC8-S2D-2 (320-80943-49)	10/27/21	13:18 Pacific		Solid				X		X			1	
AOC3/AOC8-S1E-0.5 (320-80943-50)	10/27/21	13:27 Pacific		Solid			X	X	X	X			1	
AOC3/AOC8-S1E-2 (320-80943-51)	10/27/21	13:29 Pacific		Solid				X		X			1	
AOC3-S2E-0.5 (320-80943-52)	10/27/21	13:30 Pacific		Solid			X	X	X				1	
AOC3-S2E-2ND (320-80943-53)	10/27/21	13:32 Pacific		Solid				X					1	
AOC3-S3E-0.5 (320-80943-54)	10/27/21	13:50 Pacific		Solid			X	X	X				1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature] 1600	10/28/21	EETSAC	Paul dcs	10/28/21 1600	DCS
2	[signature] 1900			Paul dcs	1900	
3				[signature]	10-28-21 19:00	EETSAC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247275.7
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 7 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80943-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/3/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8270C/3550B (MOD) Local Method	8270C_SIM/3546 (MOD) PAH SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S3E-2 (320-80943-55)	10/27/21	13:52 Pacific		Solid				X					1	
AOC3-S3D-0.5 (320-80943-56)	10/27/21	13:52 Pacific		Solid			X	X	X				1	
AOC3-S3D-2 (320-80943-57)	10/27/21	13:54 Pacific		Solid				X					1	
AOC3-S4D-0.5 (320-80943-58)	10/27/21	13:58 Pacific		Solid			X	X	X				1	
AOC3-S4D-2 (320-80943-59)	10/27/21	14:00 Pacific		Solid				X					1	
AOC3-S4E-0.5 (320-80943-60)	10/27/21	14:05 Pacific		Solid				X	X				1	
AOC3-S4E-2 (320-80943-61)	10/27/21	14:07 Pacific		Solid				X					1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature] 1600	10/28/21	[illegible]	Paul dcs	10/28/21 1600	DCS
2	Relinquished by: 1900	Date/Time:	Company	Received by: Paul dcs	Date/Time: 1900	Company
3	Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 10-28-21 / 19:00	Company EETSAC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

TestAmerica CUSTO SEAL

Date 10/28/21 Signature

/IRC NG

320-80943 Waybill

ORIGIN ID:LVKA (928) 484-1919
SAMPLE RECEIVING
EUROFINS TLST AMERICA
780 MONTAGUE EXPRESSWAY
SUITE 602
SAN JOSE, CA 95131
UNITED STATES US

SHIP DATE: 28OCT21
ACTWGT: 40.90 LB
CAD: 0795504/CAFE3507
DIMS: 28x16x15 IN

BILL SENDER

TO SAMPLE RECEIVING
EUROFINS CALSCIENCE, LLC
7440 LINCOLN WAY

GARDEN GROVE CA 92841
(714) 895-5494 REF:
INV:
PO: DEPT

FedEx Express

FRI - 29 OCT 10:30A
PRIORITY OVERNIGHT

TRK# 0201 5047 2941 7519

92 APVA

92841
CA-US SNA

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No.: 320-247274 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn Gonzales@Eurofinset.com	State of Origin: California	Page: Page 1 of 2
Company: Eurofins Calscience LLC		Accreditations Required (See note): State - California		Job #: 320-80943-1
Address: 7440 Lincoln Way, ,	Due Date Requested: 11/10/2021			
City: Garden Grove	TAT Requested (days):			
State, Zip: CA, 92841				
Phone: 714-895-5494(Tel) 714-894-7501(Fax)	PO #:			
Email	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Preservation Codes:

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

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B CAM 17, no Mercury	7471A/7471A_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
AOC3-S5A-0 5 (320-80943-9)	10/27/21	09 45 Pacific		Solid			X	X	1	
AOC3/AOC10-S8A-0 5 (320-80943-23)	10/27/21	11 01 Pacific		Solid			X	X	1	
AOC3/AOC10-S8A-2 (320-80943-24)	10/27/21	11 03 Pacific		Solid			X	X	1	
AOC3/AOC10-S8B-0 5 (320-80943-25)	10/27/21	11:27 Pacific		Solid			X	X	1	
AOC3/AOC10-S8B-2 (320-80943-26)	10/27/21	11:29 Pacific		Solid			X	X	1	
AOC3/AOC10-S9C-0 5 (320-80943-27)	10/27/21	11 41 Pacific		Solid			X	X	1	
AOC3/AOC10-S9C-0 5DUP (320-80943-28)	10/27/21	11 41 Pacific		Solid			X	X	1	
AOC3/AOC10-S9C-2 (320-80943-29)	10/27/21	11 44 Pacific		Solid			X	X	1	
AOC3-S7D-0 5 (320-80943-38)	10/27/21	12 25 Pacific		Solid			X	X	1	

Note. Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	10/28/21 1600	[illegible]	[signature]	10/29/21 0900	BCL
2	[signature]					
3						

Custody Seals Intact: ☒ Yes △ No	Custody Seal No: N/A	Cooler Temperature(s) °C and Other Remarks: 1.6/2.5 CF

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No. 320-247274 2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin. California	Page: Page 2 of 2
Company: Eurofins Calscience LLC		Accreditations Required (See note): State - California		Job #: 320-80943-1
Address: 7440 Lincoln Way, ,	Due Date Requested: 11/10/2021			
City: Garden Grove	TAT Requested (days):			
State, Zip: CA, 92841				
Phone: 714-895-5494(Tel) 714-894-7501(Fax)	PO #:			
Email	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site	SSOW#:			

Analysis Requested

Preservation Codes

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B CAM 17, no Mercury	7471A/7471A_Prep Mercury	Total Number of containers	Special Instructions/Note.
			Preservation Code:							
AOC3-S7D-2 (320-80943-39)	10/27/21	12:30 Pacific		Solid			X	X	1	
AOC3-S1D-0 5 (320-80943-46)	10/27/21	13.14 Pacific		Solid			X	X	1	
AOC3-S4E-0 5 (320-80943-60)	10/27/21	14 05 Pacific		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/28/21 1600	ESS		10/29/21 1000	ECG6
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks.
		1.8/2.5 IR#5

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-80943-1

Login Number: 80943
List Number: 1
Creator: Garcia, Hilario A

List Source: Eurofins TestAmerica, Sacramento

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

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-80943-1

Login Number: 80943
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	4.5 & 2.2
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-80943-1

Login Number: 80943
List Number: 3
Creator: Ortiz-Luis, Michael

List Source: Eurofins Calscience LLC
List Creation: 10/29/21 02:15 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
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	2.5
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-80943-2
Client Project/Site: Cole School PEA
Revision: 1

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Mr. Nathan Diem

Authorized for release by:
12/15/2021 9:27:20 AM

Justinn Gonzales, Project Manager I
(925)484-1919
Justinn.Gonzales@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-2

Qualifiers

Dioxin

Qualifier	Qualifier Description
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

Glossary

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

Job ID: 320-80943-2

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-80943-2

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 11/18/2021. The report (revision 1) is being revised due to: Report samples to MDL or EDL for 8290A per client request. Total TEQ also added.

Receipt
The samples were received on 10/28/2021 12:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.4º C and 2.5º C.

Dioxin
Method 8290A: The Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: AOC3/AOC8-S2D-0.5 (320-80943-48). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample.

Method 8290A: The bracketing continuing calibration verification (CCV) associated with batch 320-541728 has analytes with percent difference values that are between the method criteria of 30% to 35% deviation from the initial calibration curve. Per method guidelines, an average relative response factor (RRF) is calculated from the bracketing CCV and is used to quantitate the Isotope Dilution Analyte (IDA) recovery in the associated samples.

Method 8290A: The Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: AOC3/AOC8-S2D-0.5 (320-80943-48). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample.

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

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

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-2

Client Sample ID: AOC3/AOC8-S5B-0.5 — Lab Sample ID: 320-80943-13

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.61	J q	0.96	0.22	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.49	J q B	4.8	0.15	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.38	J q	4.8	0.15	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.65	J q	4.8	0.24	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.51	J q	4.8	0.23	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.36	J	4.8	0.24	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	1.5	J B	4.8	0.10	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.87	J B	4.8	0.18	pg/g	1		8290A	Total/NA
OCDD	9.0	J B	9.6	0.11	pg/g	1		8290A	Total/NA
OCDF	1.0	J q B	9.6	0.24	pg/g	1		8290A	Total/NA

Client Sample ID: AOC3/AOC8-S5B-2 — Lab Sample ID: 320-80943-14

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.24	J q	0.95	0.074	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.37	J q B	4.7	0.10	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.35	J q B	4.7	0.047	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.21	J q B	4.7	0.040	pg/g	1		8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.13	J q B	4.7	0.051	pg/g	1		8290A	Total/NA
OCDD	2.4	J B	9.5	0.079	pg/g	1		8290A	Total/NA
OCDF	0.45	J B	9.5	0.082	pg/g	1		8290A	Total/NA

Client Sample ID: AOC3/AOC8-S8C-0.5 — Lab Sample ID: 320-80943-32

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,4,7,8-PeCDF	1.1	J q	4.9	0.61	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	1.2	J q B	4.9	0.56	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	6.0	B	4.9	0.32	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	2.1	J q B	4.9	0.32	pg/g	1		8290A	Total/NA
OCDD	17	B	9.8	0.58	pg/g	1		8290A	Total/NA
OCDF	2.4	J B	9.8	0.66	pg/g	1		8290A	Total/NA
2,3,7,8-TCDF - RA	1.3		0.98	0.22	pg/g	1		8290A	Total/NA

Client Sample ID: AOC3/AOC8-S8C-2 — Lab Sample ID: 320-80943-33

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.16	J	0.95	0.057	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.28	J B	4.7	0.067	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.12	J q B	4.7	0.058	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDF	0.14	J	4.7	0.13	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.30	J q B	4.7	0.028	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.24	J B	4.7	0.036	pg/g	1		8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.12	J B	4.7	0.045	pg/g	1		8290A	Total/NA
OCDD	1.6	J B	9.5	0.072	pg/g	1		8290A	Total/NA
OCDF	0.39	J B	9.5	0.076	pg/g	1		8290A	Total/NA

Client Sample ID: AOC3/AOC8-S2D-0.5 — Lab Sample ID: 320-80943-48

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	1.3	q	0.98	0.42	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	0.65	J	4.9	0.29	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	0.87	J	4.9	0.29	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.71	J q B	4.9	0.16	pg/g	1		8290A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: AOC3/AOC8-S2D-0.5 (Continued) — Lab Sample ID: 320-80943-48

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,6,7,8-HxCDD	0.62	J q	4.9	0.15	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.72	J B	4.9	0.14	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.67	J	4.9	0.26	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.74	J q	4.9	0.25	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDF	0.62	J	4.9	0.26	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.74	J	4.9	0.25	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	3.8	J B	4.9	0.078	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	1.4	J B	4.9	0.082	pg/g	1		8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.52	J q B	4.9	0.10	pg/g	1		8290A	Total/NA
OCDD	19	B	9.8	0.12	pg/g	1		8290A	Total/NA
OCDF	2.4	J B	9.8	0.11	pg/g	1		8290A	Total/NA
2,3,7,8-TCDF - RA	1.0		0.98	0.56	pg/g	1		8290A	Total/NA

Client Sample ID: AOC3/AOC8-S2D-2 — Lab Sample ID: 320-80943-49

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.50	J	0.96	0.065	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	0.31	J	4.8	0.074	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	0.13	J q	4.8	0.075	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.25	J q B	4.8	0.084	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.15	J q	4.8	0.11	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.20	J	4.8	0.10	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDF	0.13	J	4.8	0.11	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.16	J	4.8	0.10	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.51	J B	4.8	0.045	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.41	J B	4.8	0.043	pg/g	1		8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.18	J q B	4.8	0.054	pg/g	1		8290A	Total/NA
OCDD	2.4	J B	9.6	0.075	pg/g	1		8290A	Total/NA
OCDF	0.93	J B	9.6	0.099	pg/g	1		8290A	Total/NA

Client Sample ID: AOC3/AOC8-S1E-0.5 — Lab Sample ID: 320-80943-50

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.32	J q	1.0	0.090	pg/g	1		8290A	Total/NA
2,3,7,8-TCDF	0.30	J	1.0	0.058	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.37	J B	5.0	0.10	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.29	J	5.0	0.098	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.33	J B	5.0	0.087	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	2.2	J B	5.0	0.078	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.68	J B	5.0	0.077	pg/g	1		8290A	Total/NA
OCDD	22	B	10	0.14	pg/g	1		8290A	Total/NA
OCDF	1.7	J q B	10	0.12	pg/g	1		8290A	Total/NA

Client Sample ID: AOC3/AOC8-S1E-2 — Lab Sample ID: 320-80943-51

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.23	J	0.96	0.049	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.29	J q B	4.8	0.097	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.42	J B	4.8	0.065	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.20	J q B	4.8	0.045	pg/g	1		8290A	Total/NA
OCDD	2.5	J B	9.6	0.099	pg/g	1		8290A	Total/NA
OCDF	0.59	J B	9.6	0.099	pg/g	1		8290A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-2

Client Sample ID: AOC3/AOC8-S5B-0.5
Date Collected: 10/27/21 10:00
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-13
Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.96	0.35	pg/g		11/01/21 10:14	11/10/21 19:44	1
2,3,7,8-TCDF	**0.61**	**J q**	0.96	0.22	pg/g		11/01/21 10:14	11/10/21 19:44	1
1,2,3,7,8-PeCDD	ND		4.8	0.30	pg/g		11/01/21 10:14	11/10/21 19:44	1
1,2,3,7,8-PeCDF	ND		4.8	0.21	pg/g		11/01/21 10:14	11/10/21 19:44	1
2,3,4,7,8-PeCDF	ND		4.8	0.21	pg/g		11/01/21 10:14	11/10/21 19:44	1
1,2,3,4,7,8-HxCDD	**0.49**	**J q B**	4.8	0.15	pg/g		11/01/21 10:14	11/10/21 19:44	1
1,2,3,6,7,8-HxCDD	**0.38**	**J q**	4.8	0.15	pg/g		11/01/21 10:14	11/10/21 19:44	1
1,2,3,7,8,9-HxCDD	ND		4.8	0.13	pg/g		11/01/21 10:14	11/10/21 19:44	1
1,2,3,4,7,8-HxCDF	**0.65**	**J q**	4.8	0.24	pg/g		11/01/21 10:14	11/10/21 19:44	1
1,2,3,6,7,8-HxCDF	**0.51**	**J q**	4.8	0.23	pg/g		11/01/21 10:14	11/10/21 19:44	1
1,2,3,7,8,9-HxCDF	ND		4.8	0.25	pg/g		11/01/21 10:14	11/10/21 19:44	1
2,3,4,6,7,8-HxCDF	**0.36**	**J**	4.8	0.24	pg/g		11/01/21 10:14	11/10/21 19:44	1
1,2,3,4,6,7,8-HpCDD	**1.5**	**J B**	4.8	0.10	pg/g		11/01/21 10:14	11/10/21 19:44	1
1,2,3,4,6,7,8-HpCDF	**0.87**	**J B**	4.8	0.18	pg/g		11/01/21 10:14	11/10/21 19:44	1
1,2,3,4,7,8,9-HpCDF	ND		4.8	0.23	pg/g		11/01/21 10:14	11/10/21 19:44	1
OCDD	**9.0**	**J B**	9.6	0.11	pg/g		11/01/21 10:14	11/10/21 19:44	1
OCDF	**1.0**	**J q B**	9.6	0.24	pg/g		11/01/21 10:14	11/10/21 19:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*57*		*40 - 135*	*11/01/21 10:14*	*11/10/21 19:44*	*1*
13C-2,3,7,8-TCDF	*59*		*40 - 135*	*11/01/21 10:14*	*11/10/21 19:44*	*1*
13C-1,2,3,7,8-PeCDD	*63*		*40 - 135*	*11/01/21 10:14*	*11/10/21 19:44*	*1*
13C-1,2,3,7,8-PeCDF	*64*		*40 - 135*	*11/01/21 10:14*	*11/10/21 19:44*	*1*
13C-1,2,3,6,7,8-HxCDD	*54*		*40 - 135*	*11/01/21 10:14*	*11/10/21 19:44*	*1*
13C-1,2,3,4,7,8-HxCDF	*61*		*40 - 135*	*11/01/21 10:14*	*11/10/21 19:44*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*74*		*40 - 135*	*11/01/21 10:14*	*11/10/21 19:44*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*68*		*40 - 135*	*11/01/21 10:14*	*11/10/21 19:44*	*1*
13C-OCDD	*69*		*40 - 135*	*11/01/21 10:14*	*11/10/21 19:44*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-2

Client Sample ID: AOC3/AOC8-S5B-2
Date Collected: 10/27/21 10:02
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-14
Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.95	0.15	pg/g		11/01/21 10:14	11/11/21 18:53	1
2,3,7,8-TCDF	**0.24**	**J q**	0.95	0.074	pg/g		11/01/21 10:14	11/11/21 18:53	1
1,2,3,7,8-PeCDD	ND		4.7	0.14	pg/g		11/01/21 10:14	11/11/21 18:53	1
1,2,3,7,8-PeCDF	ND		4.7	0.097	pg/g		11/01/21 10:14	11/11/21 18:53	1
2,3,4,7,8-PeCDF	ND		4.7	0.099	pg/g		11/01/21 10:14	11/11/21 18:53	1
1,2,3,4,7,8-HxCDD	**0.37**	**J q B**	4.7	0.10	pg/g		11/01/21 10:14	11/11/21 18:53	1
1,2,3,6,7,8-HxCDD	ND		4.7	0.10	pg/g		11/01/21 10:14	11/11/21 18:53	1
1,2,3,7,8,9-HxCDD	ND		4.7	0.089	pg/g		11/01/21 10:14	11/11/21 18:53	1
1,2,3,4,7,8-HxCDF	ND		4.7	0.12	pg/g		11/01/21 10:14	11/11/21 18:53	1
1,2,3,6,7,8-HxCDF	ND		4.7	0.11	pg/g		11/01/21 10:14	11/11/21 18:53	1
1,2,3,7,8,9-HxCDF	ND		4.7	0.12	pg/g		11/01/21 10:14	11/11/21 18:53	1
2,3,4,6,7,8-HxCDF	ND		4.7	0.11	pg/g		11/01/21 10:14	11/11/21 18:53	1
1,2,3,4,6,7,8-HpCDD	**0.35**	**J q B**	4.7	0.047	pg/g		11/01/21 10:14	11/11/21 18:53	1
1,2,3,4,6,7,8-HpCDF	**0.21**	**J q B**	4.7	0.040	pg/g		11/01/21 10:14	11/11/21 18:53	1
1,2,3,4,7,8,9-HpCDF	**0.13**	**J q B**	4.7	0.051	pg/g		11/01/21 10:14	11/11/21 18:53	1
OCDD	**2.4**	**J B**	9.5	0.079	pg/g		11/01/21 10:14	11/11/21 18:53	1
OCDF	**0.45**	**J B**	9.5	0.082	pg/g		11/01/21 10:14	11/11/21 18:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*60*		*40 - 135*	*11/01/21 10:14*	*11/11/21 18:53*	*1*
13C-2,3,7,8-TCDF	*62*		*40 - 135*	*11/01/21 10:14*	*11/11/21 18:53*	*1*
13C-1,2,3,7,8-PeCDD	*65*		*40 - 135*	*11/01/21 10:14*	*11/11/21 18:53*	*1*
13C-1,2,3,7,8-PeCDF	*67*		*40 - 135*	*11/01/21 10:14*	*11/11/21 18:53*	*1*
13C-1,2,3,6,7,8-HxCDD	*65*		*40 - 135*	*11/01/21 10:14*	*11/11/21 18:53*	*1*
13C-1,2,3,4,7,8-HxCDF	*66*		*40 - 135*	*11/01/21 10:14*	*11/11/21 18:53*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*79*		*40 - 135*	*11/01/21 10:14*	*11/11/21 18:53*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*72*		*40 - 135*	*11/01/21 10:14*	*11/11/21 18:53*	*1*
13C-OCDD	*77*		*40 - 135*	*11/01/21 10:14*	*11/11/21 18:53*	*1*

Client Sample ID: AOC3/AOC8-S8C-0.5

Date Collected: 10/27/21 11:55
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-32

Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.98	0.97	pg/g		11/01/21 10:14	11/11/21 19:38	1
1,2,3,7,8-PeCDD	ND		4.9	0.78	pg/g		11/01/21 10:14	11/11/21 19:38	1
1,2,3,7,8-PeCDF	ND		4.9	0.60	pg/g		11/01/21 10:14	11/11/21 19:38	1
2,3,4,7,8-PeCDF	**1.1**	**J q**	4.9	0.61	pg/g		11/01/21 10:14	11/11/21 19:38	1
1,2,3,4,7,8-HxCDD	ND		4.9	0.65	pg/g		11/01/21 10:14	11/11/21 19:38	1
1,2,3,6,7,8-HxCDD	ND		4.9	0.63	pg/g		11/01/21 10:14	11/11/21 19:38	1
1,2,3,7,8,9-HxCDD	**1.2**	**J q B**	4.9	0.56	pg/g		11/01/21 10:14	11/11/21 19:38	1
1,2,3,4,7,8-HxCDF	ND		4.9	0.90	pg/g		11/01/21 10:14	11/11/21 19:38	1
1,2,3,6,7,8-HxCDF	ND		4.9	0.87	pg/g		11/01/21 10:14	11/11/21 19:38	1
1,2,3,7,8,9-HxCDF	ND		4.9	0.93	pg/g		11/01/21 10:14	11/11/21 19:38	1
2,3,4,6,7,8-HxCDF	ND		4.9	0.88	pg/g		11/01/21 10:14	11/11/21 19:38	1
1,2,3,4,6,7,8-HpCDD	**6.0**	**B**	4.9	0.32	pg/g		11/01/21 10:14	11/11/21 19:38	1
1,2,3,4,6,7,8-HpCDF	**2.1**	**J q B**	4.9	0.32	pg/g		11/01/21 10:14	11/11/21 19:38	1
1,2,3,4,7,8,9-HpCDF	ND		4.9	0.40	pg/g		11/01/21 10:14	11/11/21 19:38	1
OCDD	**17**	**B**	9.8	0.58	pg/g		11/01/21 10:14	11/11/21 19:38	1
OCDF	**2.4**	**J B**	9.8	0.66	pg/g		11/01/21 10:14	11/11/21 19:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*70*		*40 - 135*	*11/01/21 10:14*	*11/11/21 19:38*	*1*
13C-1,2,3,7,8-PeCDD	*71*		*40 - 135*	*11/01/21 10:14*	*11/11/21 19:38*	*1*
13C-1,2,3,7,8-PeCDF	*75*		*40 - 135*	*11/01/21 10:14*	*11/11/21 19:38*	*1*
13C-1,2,3,6,7,8-HxCDD	*63*		*40 - 135*	*11/01/21 10:14*	*11/11/21 19:38*	*1*
13C-1,2,3,4,7,8-HxCDF	*66*		*40 - 135*	*11/01/21 10:14*	*11/11/21 19:38*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*71*		*40 - 135*	*11/01/21 10:14*	*11/11/21 19:38*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*68*		*40 - 135*	*11/01/21 10:14*	*11/11/21 19:38*	*1*
13C-OCDD	*66*		*40 - 135*	*11/01/21 10:14*	*11/11/21 19:38*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	**1.3**		0.98	0.22	pg/g		11/01/21 10:14	11/18/21 10:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*73*		*40 - 135*	*11/01/21 10:14*	*11/18/21 10:56*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-2

Client Sample ID: AOC3/AOC8-S8C-2
Date Collected: 10/27/21 12:00
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-33
Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.95	0.11	pg/g		11/01/21 10:14	11/11/21 20:23	1
2,3,7,8-TCDF	**0.16**	**J**	0.95	0.057	pg/g		11/01/21 10:14	11/11/21 20:23	1
1,2,3,7,8-PeCDD	ND		4.7	0.087	pg/g		11/01/21 10:14	11/11/21 20:23	1
1,2,3,7,8-PeCDF	ND		4.7	0.060	pg/g		11/01/21 10:14	11/11/21 20:23	1
2,3,4,7,8-PeCDF	ND		4.7	0.061	pg/g		11/01/21 10:14	11/11/21 20:23	1
1,2,3,4,7,8-HxCDD	**0.28**	**J B**	4.7	0.067	pg/g		11/01/21 10:14	11/11/21 20:23	1
1,2,3,6,7,8-HxCDD	ND		4.7	0.065	pg/g		11/01/21 10:14	11/11/21 20:23	1
1,2,3,7,8,9-HxCDD	**0.12**	**J q B**	4.7	0.058	pg/g		11/01/21 10:14	11/11/21 20:23	1
1,2,3,4,7,8-HxCDF	ND		4.7	0.12	pg/g		11/01/21 10:14	11/11/21 20:23	1
1,2,3,6,7,8-HxCDF	ND		4.7	0.12	pg/g		11/01/21 10:14	11/11/21 20:23	1
1,2,3,7,8,9-HxCDF	**0.14**	**J**	4.7	0.13	pg/g		11/01/21 10:14	11/11/21 20:23	1
2,3,4,6,7,8-HxCDF	ND		4.7	0.12	pg/g		11/01/21 10:14	11/11/21 20:23	1
1,2,3,4,6,7,8-HpCDD	**0.30**	**J q B**	4.7	0.028	pg/g		11/01/21 10:14	11/11/21 20:23	1
1,2,3,4,6,7,8-HpCDF	**0.24**	**J B**	4.7	0.036	pg/g		11/01/21 10:14	11/11/21 20:23	1
1,2,3,4,7,8,9-HpCDF	**0.12**	**J B**	4.7	0.045	pg/g		11/01/21 10:14	11/11/21 20:23	1
OCDD	**1.6**	**J B**	9.5	0.072	pg/g		11/01/21 10:14	11/11/21 20:23	1
OCDF	**0.39**	**J B**	9.5	0.076	pg/g		11/01/21 10:14	11/11/21 20:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*60*		*40 - 135*	*11/01/21 10:14*	*11/11/21 20:23*	*1*
13C-2,3,7,8-TCDF	*64*		*40 - 135*	*11/01/21 10:14*	*11/11/21 20:23*	*1*
13C-1,2,3,7,8-PeCDD	*66*		*40 - 135*	*11/01/21 10:14*	*11/11/21 20:23*	*1*
13C-1,2,3,7,8-PeCDF	*67*		*40 - 135*	*11/01/21 10:14*	*11/11/21 20:23*	*1*
13C-1,2,3,6,7,8-HxCDD	*64*		*40 - 135*	*11/01/21 10:14*	*11/11/21 20:23*	*1*
13C-1,2,3,4,7,8-HxCDF	*67*		*40 - 135*	*11/01/21 10:14*	*11/11/21 20:23*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*78*		*40 - 135*	*11/01/21 10:14*	*11/11/21 20:23*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*70*		*40 - 135*	*11/01/21 10:14*	*11/11/21 20:23*	*1*
13C-OCDD	*74*		*40 - 135*	*11/01/21 10:14*	*11/11/21 20:23*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-2

Client Sample ID: AOC3/AOC8-S2D-0.5

Date Collected: 10/27/21 13:16
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-48

Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	1.3	q	0.98	0.42	pg/g		11/01/21 10:14	11/11/21 21:08	1
1,2,3,7,8-PeCDD	ND		4.9	0.30	pg/g		11/01/21 10:14	11/11/21 21:08	1
1,2,3,7,8-PeCDF	0.65	J	4.9	0.29	pg/g		11/01/21 10:14	11/11/21 21:08	1
2,3,4,7,8-PeCDF	0.87	J	4.9	0.29	pg/g		11/01/21 10:14	11/11/21 21:08	1
1,2,3,4,7,8-HxCDD	0.71	J q B	4.9	0.16	pg/g		11/01/21 10:14	11/11/21 21:08	1
1,2,3,6,7,8-HxCDD	0.62	J q	4.9	0.15	pg/g		11/01/21 10:14	11/11/21 21:08	1
1,2,3,7,8,9-HxCDD	0.72	J B	4.9	0.14	pg/g		11/01/21 10:14	11/11/21 21:08	1
1,2,3,4,7,8-HxCDF	0.67	J	4.9	0.26	pg/g		11/01/21 10:14	11/11/21 21:08	1
1,2,3,6,7,8-HxCDF	0.74	J q	4.9	0.25	pg/g		11/01/21 10:14	11/11/21 21:08	1
1,2,3,7,8,9-HxCDF	0.62	J	4.9	0.26	pg/g		11/01/21 10:14	11/11/21 21:08	1
2,3,4,6,7,8-HxCDF	0.74	J	4.9	0.25	pg/g		11/01/21 10:14	11/11/21 21:08	1
1,2,3,4,6,7,8-HpCDD	3.8	J B	4.9	0.078	pg/g		11/01/21 10:14	11/11/21 21:08	1
1,2,3,4,6,7,8-HpCDF	1.4	J B	4.9	0.082	pg/g		11/01/21 10:14	11/11/21 21:08	1
1,2,3,4,7,8,9-HpCDF	0.52	J q B	4.9	0.10	pg/g		11/01/21 10:14	11/11/21 21:08	1
OCDD	19	B	9.8	0.12	pg/g		11/01/21 10:14	11/11/21 21:08	1
OCDF	2.4	J B	9.8	0.11	pg/g		11/01/21 10:14	11/11/21 21:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*18*	*5-	*40 - 135*	*11/01/21 10:14*	*11/11/21 21:08*	*1*
13C-1,2,3,7,8-PeCDD	*31*	*5-	*40 - 135*	*11/01/21 10:14*	*11/11/21 21:08*	*1*
13C-1,2,3,7,8-PeCDF	*29*	*5-	*40 - 135*	*11/01/21 10:14*	*11/11/21 21:08*	*1*
13C-1,2,3,6,7,8-HxCDD	*46*		*40 - 135*	*11/01/21 10:14*	*11/11/21 21:08*	*1*
13C-1,2,3,4,7,8-HxCDF	*43*		*40 - 135*	*11/01/21 10:14*	*11/11/21 21:08*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*68*		*40 - 135*	*11/01/21 10:14*	*11/11/21 21:08*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*58*		*40 - 135*	*11/01/21 10:14*	*11/11/21 21:08*	*1*
13C-OCDD	*68*		*40 - 135*	*11/01/21 10:14*	*11/11/21 21:08*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	1.0		0.98	0.56	pg/g		11/01/21 10:14	11/18/21 11:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*23*	*5-	*40 - 135*	*11/01/21 10:14*	*11/18/21 11:35*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-2

Client Sample ID: AOC3/AOC8-S2D-2
Date Collected: 10/27/21 13:18
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-49
Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.96	0.12	pg/g		11/01/21 10:14	11/11/21 21:53	1
2,3,7,8-TCDF	**0.50**	**J**	0.96	0.065	pg/g		11/01/21 10:14	11/11/21 21:53	1
1,2,3,7,8-PeCDD	ND		4.8	0.12	pg/g		11/01/21 10:14	11/11/21 21:53	1
1,2,3,7,8-PeCDF	**0.31**	**J**	4.8	0.074	pg/g		11/01/21 10:14	11/11/21 21:53	1
2,3,4,7,8-PeCDF	**0.13**	**J q**	4.8	0.075	pg/g		11/01/21 10:14	11/11/21 21:53	1
1,2,3,4,7,8-HxCDD	**0.25**	**J q B**	4.8	0.084	pg/g		11/01/21 10:14	11/11/21 21:53	1
1,2,3,6,7,8-HxCDD	ND		4.8	0.080	pg/g		11/01/21 10:14	11/11/21 21:53	1
1,2,3,7,8,9-HxCDD	ND		4.8	0.072	pg/g		11/01/21 10:14	11/11/21 21:53	1
1,2,3,4,7,8-HxCDF	**0.15**	**J q**	4.8	0.11	pg/g		11/01/21 10:14	11/11/21 21:53	1
1,2,3,6,7,8-HxCDF	**0.20**	**J**	4.8	0.10	pg/g		11/01/21 10:14	11/11/21 21:53	1
1,2,3,7,8,9-HxCDF	**0.13**	**J**	4.8	0.11	pg/g		11/01/21 10:14	11/11/21 21:53	1
2,3,4,6,7,8-HxCDF	**0.16**	**J**	4.8	0.10	pg/g		11/01/21 10:14	11/11/21 21:53	1
1,2,3,4,6,7,8-HpCDD	**0.51**	**J B**	4.8	0.045	pg/g		11/01/21 10:14	11/11/21 21:53	1
1,2,3,4,6,7,8-HpCDF	**0.41**	**J B**	4.8	0.043	pg/g		11/01/21 10:14	11/11/21 21:53	1
1,2,3,4,7,8,9-HpCDF	**0.18**	**J q B**	4.8	0.054	pg/g		11/01/21 10:14	11/11/21 21:53	1
OCDD	**2.4**	**J B**	9.6	0.075	pg/g		11/01/21 10:14	11/11/21 21:53	1
OCDF	**0.93**	**J B**	9.6	0.099	pg/g		11/01/21 10:14	11/11/21 21:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*62*		*40 - 135*	*11/01/21 10:14*	*11/11/21 21:53*	*1*
13C-2,3,7,8-TCDF	*64*		*40 - 135*	*11/01/21 10:14*	*11/11/21 21:53*	*1*
13C-1,2,3,7,8-PeCDD	*65*		*40 - 135*	*11/01/21 10:14*	*11/11/21 21:53*	*1*
13C-1,2,3,7,8-PeCDF	*67*		*40 - 135*	*11/01/21 10:14*	*11/11/21 21:53*	*1*
13C-1,2,3,6,7,8-HxCDD	*67*		*40 - 135*	*11/01/21 10:14*	*11/11/21 21:53*	*1*
13C-1,2,3,4,7,8-HxCDF	*69*		*40 - 135*	*11/01/21 10:14*	*11/11/21 21:53*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*81*		*40 - 135*	*11/01/21 10:14*	*11/11/21 21:53*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*72*		*40 - 135*	*11/01/21 10:14*	*11/11/21 21:53*	*1*
13C-OCDD	*83*		*40 - 135*	*11/01/21 10:14*	*11/11/21 21:53*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-2

Client Sample ID: AOC3/AOC8-S1E-0.5
Date Collected: 10/27/21 13:27
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-50
Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	**0.32**	**J q**	1.0	0.090	pg/g		11/01/21 10:14	11/11/21 22:38	1
2,3,7,8-TCDF	**0.30**	**J**	1.0	0.058	pg/g		11/01/21 10:14	11/11/21 22:38	1
1,2,3,7,8-PeCDD	ND		5.0	0.13	pg/g		11/01/21 10:14	11/11/21 22:38	1
1,2,3,7,8-PeCDF	ND		5.0	0.090	pg/g		11/01/21 10:14	11/11/21 22:38	1
2,3,4,7,8-PeCDF	ND		5.0	0.091	pg/g		11/01/21 10:14	11/11/21 22:38	1
1,2,3,4,7,8-HxCDD	**0.37**	**J B**	5.0	0.10	pg/g		11/01/21 10:14	11/11/21 22:38	1
1,2,3,6,7,8-HxCDD	**0.29**	**J**	5.0	0.098	pg/g		11/01/21 10:14	11/11/21 22:38	1
1,2,3,7,8,9-HxCDD	**0.33**	**J B**	5.0	0.087	pg/g		11/01/21 10:14	11/11/21 22:38	1
1,2,3,4,7,8-HxCDF	ND		5.0	0.15	pg/g		11/01/21 10:14	11/11/21 22:38	1
1,2,3,6,7,8-HxCDF	ND		5.0	0.14	pg/g		11/01/21 10:14	11/11/21 22:38	1
1,2,3,7,8,9-HxCDF	ND		5.0	0.15	pg/g		11/01/21 10:14	11/11/21 22:38	1
2,3,4,6,7,8-HxCDF	ND		5.0	0.15	pg/g		11/01/21 10:14	11/11/21 22:38	1
1,2,3,4,6,7,8-HpCDD	**2.2**	**J B**	5.0	0.078	pg/g		11/01/21 10:14	11/11/21 22:38	1
1,2,3,4,6,7,8-HpCDF	**0.68**	**J B**	5.0	0.077	pg/g		11/01/21 10:14	11/11/21 22:38	1
1,2,3,4,7,8,9-HpCDF	ND		5.0	0.097	pg/g		11/01/21 10:14	11/11/21 22:38	1
OCDD	**22**	**B**	10	0.14	pg/g		11/01/21 10:14	11/11/21 22:38	1
OCDF	**1.7**	**J q B**	10	0.12	pg/g		11/01/21 10:14	11/11/21 22:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*63*		*40 - 135*	*11/01/21 10:14*	*11/11/21 22:38*	*1*
13C-2,3,7,8-TCDF	*65*		*40 - 135*	*11/01/21 10:14*	*11/11/21 22:38*	*1*
13C-1,2,3,7,8-PeCDD	*69*		*40 - 135*	*11/01/21 10:14*	*11/11/21 22:38*	*1*
13C-1,2,3,7,8-PeCDF	*72*		*40 - 135*	*11/01/21 10:14*	*11/11/21 22:38*	*1*
13C-1,2,3,6,7,8-HxCDD	*68*		*40 - 135*	*11/01/21 10:14*	*11/11/21 22:38*	*1*
13C-1,2,3,4,7,8-HxCDF	*67*		*40 - 135*	*11/01/21 10:14*	*11/11/21 22:38*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*69*		*40 - 135*	*11/01/21 10:14*	*11/11/21 22:38*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*63*		*40 - 135*	*11/01/21 10:14*	*11/11/21 22:38*	*1*
13C-OCDD	*65*		*40 - 135*	*11/01/21 10:14*	*11/11/21 22:38*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-2

Client Sample ID: AOC3/AOC8-S1E-2
Date Collected: 10/27/21 13:29
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-51
Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.96	0.098	pg/g		11/01/21 10:14	11/11/21 23:23	1
2,3,7,8-TCDF	**0.23**	**J**	0.96	0.049	pg/g		11/01/21 10:14	11/11/21 23:23	1
1,2,3,7,8-PeCDD	ND		4.8	0.097	pg/g		11/01/21 10:14	11/11/21 23:23	1
1,2,3,7,8-PeCDF	ND		4.8	0.068	pg/g		11/01/21 10:14	11/11/21 23:23	1
2,3,4,7,8-PeCDF	ND		4.8	0.069	pg/g		11/01/21 10:14	11/11/21 23:23	1
1,2,3,4,7,8-HxCDD	**0.29**	**J q B**	4.8	0.097	pg/g		11/01/21 10:14	11/11/21 23:23	1
1,2,3,6,7,8-HxCDD	ND		4.8	0.093	pg/g		11/01/21 10:14	11/11/21 23:23	1
1,2,3,7,8,9-HxCDD	ND		4.8	0.083	pg/g		11/01/21 10:14	11/11/21 23:23	1
1,2,3,4,7,8-HxCDF	ND		4.8	0.16	pg/g		11/01/21 10:14	11/11/21 23:23	1
1,2,3,6,7,8-HxCDF	ND		4.8	0.16	pg/g		11/01/21 10:14	11/11/21 23:23	1
1,2,3,7,8,9-HxCDF	ND		4.8	0.17	pg/g		11/01/21 10:14	11/11/21 23:23	1
2,3,4,6,7,8-HxCDF	ND		4.8	0.16	pg/g		11/01/21 10:14	11/11/21 23:23	1
1,2,3,4,6,7,8-HpCDD	**0.42**	**J B**	4.8	0.065	pg/g		11/01/21 10:14	11/11/21 23:23	1
1,2,3,4,6,7,8-HpCDF	**0.20**	**J q B**	4.8	0.045	pg/g		11/01/21 10:14	11/11/21 23:23	1
1,2,3,4,7,8,9-HpCDF	ND		4.8	0.057	pg/g		11/01/21 10:14	11/11/21 23:23	1
OCDD	**2.5**	**J B**	9.6	0.099	pg/g		11/01/21 10:14	11/11/21 23:23	1
OCDF	**0.59**	**J B**	9.6	0.099	pg/g		11/01/21 10:14	11/11/21 23:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*61*		*40 - 135*	*11/01/21 10:14*	*11/11/21 23:23*	*1*
13C-2,3,7,8-TCDF	*64*		*40 - 135*	*11/01/21 10:14*	*11/11/21 23:23*	*1*
13C-1,2,3,7,8-PeCDD	*67*		*40 - 135*	*11/01/21 10:14*	*11/11/21 23:23*	*1*
13C-1,2,3,7,8-PeCDF	*68*		*40 - 135*	*11/01/21 10:14*	*11/11/21 23:23*	*1*
13C-1,2,3,6,7,8-HxCDD	*67*		*40 - 135*	*11/01/21 10:14*	*11/11/21 23:23*	*1*
13C-1,2,3,4,7,8-HxCDF	*66*		*40 - 135*	*11/01/21 10:14*	*11/11/21 23:23*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*75*		*40 - 135*	*11/01/21 10:14*	*11/11/21 23:23*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*69*		*40 - 135*	*11/01/21 10:14*	*11/11/21 23:23*	*1*
13C-OCDD	*70*		*40 - 135*	*11/01/21 10:14*	*11/11/21 23:23*	*1*

Toxicity Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-2

Client Sample ID: AOC3/AOC8-S5B-0.5 — Lab Sample ID: 320-80943-13

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		0.96	0.35	pg/g	1	0.00	8290A
2,3,7,8-TCDF	**0.61**	**J q**	0.96	0.22	pg/g	0.1	**0.061**	8290A
1,2,3,7,8-PeCDD	ND		4.8	0.30	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	ND		4.8	0.21	pg/g	0.03	0.00	8290A
2,3,4,7,8-PeCDF	ND		4.8	0.21	pg/g	0.3	0.00	8290A
1,2,3,4,7,8-HxCDD	**0.49**	**J q B**	4.8	0.15	pg/g	0.1	**0.049**	8290A
1,2,3,6,7,8-HxCDD	**0.38**	**J q**	4.8	0.15	pg/g	0.1	**0.038**	8290A
1,2,3,7,8,9-HxCDD	ND		4.8	0.13	pg/g	0.1	0.00	8290A
1,2,3,4,7,8-HxCDF	**0.65**	**J q**	4.8	0.24	pg/g	0.1	**0.065**	8290A
1,2,3,6,7,8-HxCDF	**0.51**	**J q**	4.8	0.23	pg/g	0.1	**0.051**	8290A
1,2,3,7,8,9-HxCDF	ND		4.8	0.25	pg/g	0.1	0.00	8290A
2,3,4,6,7,8-HxCDF	**0.36**	**J**	4.8	0.24	pg/g	0.1	**0.036**	8290A
1,2,3,4,6,7,8-HpCDD	**1.5**	**J B**	4.8	0.10	pg/g	0.01	**0.015**	8290A
1,2,3,4,6,7,8-HpCDF	**0.87**	**J B**	4.8	0.18	pg/g	0.01	**0.0087**	8290A
1,2,3,4,7,8,9-HpCDF	ND		4.8	0.23	pg/g	0.01	0.00	8290A
OCDD	**9.0**	**J B**	9.6	0.11	pg/g	0.0003	**0.0027**	8290A
OCDF	**1.0**	**J q B**	9.6	0.24	pg/g	0.0003	**0.00030**	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.33	TEQ

Client Sample ID: AOC3/AOC8-S5B-2 — Lab Sample ID: 320-80943-14

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		0.95	0.15	pg/g	1	0.00	8290A
2,3,7,8-TCDF	**0.24**	**J q**	0.95	0.074	pg/g	0.1	**0.024**	8290A
1,2,3,7,8-PeCDD	ND		4.7	0.14	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	ND		4.7	0.097	pg/g	0.03	0.00	8290A
2,3,4,7,8-PeCDF	ND		4.7	0.099	pg/g	0.3	0.00	8290A
1,2,3,4,7,8-HxCDD	**0.37**	**J q B**	4.7	0.10	pg/g	0.1	**0.037**	8290A
1,2,3,6,7,8-HxCDD	ND		4.7	0.10	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDD	ND		4.7	0.089	pg/g	0.1	0.00	8290A
1,2,3,4,7,8-HxCDF	ND		4.7	0.12	pg/g	0.1	0.00	8290A
1,2,3,6,7,8-HxCDF	ND		4.7	0.11	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDF	ND		4.7	0.12	pg/g	0.1	0.00	8290A
2,3,4,6,7,8-HxCDF	ND		4.7	0.11	pg/g	0.1	0.00	8290A
1,2,3,4,6,7,8-HpCDD	**0.35**	**J q B**	4.7	0.047	pg/g	0.01	**0.0035**	8290A
1,2,3,4,6,7,8-HpCDF	**0.21**	**J q B**	4.7	0.040	pg/g	0.01	**0.0021**	8290A
1,2,3,4,7,8,9-HpCDF	**0.13**	**J q B**	4.7	0.051	pg/g	0.01	**0.0013**	8290A
OCDD	**2.4**	**J B**	9.5	0.079	pg/g	0.0003	**0.00072**	8290A
OCDF	**0.45**	**J B**	9.5	0.082	pg/g	0.0003	**0.00014**	8290A

TEF Reference:
WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Client Sample ID: AOC3/AOC8-S5B-2 (Continued) — Lab Sample ID: 320-80943-14

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.069	TEQ

Client Sample ID: AOC3/AOC8-S8C-0.5 — Lab Sample ID: 320-80943-32

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		0.98	0.97	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDD	ND		4.9	0.78	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	ND		4.9	0.60	pg/g	0.03	0.00	8290A
2,3,4,7,8-PeCDF	**1.1**	**J q**	4.9	0.61	pg/g	0.3	**0.33**	8290A
1,2,3,4,7,8-HxCDD	ND		4.9	0.65	pg/g	0.1	0.00	8290A
1,2,3,6,7,8-HxCDD	ND		4.9	0.63	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDD	**1.2**	**J q B**	4.9	0.56	pg/g	0.1	**0.12**	8290A
1,2,3,4,7,8-HxCDF	ND		4.9	0.90	pg/g	0.1	0.00	8290A
1,2,3,6,7,8-HxCDF	ND		4.9	0.87	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDF	ND		4.9	0.93	pg/g	0.1	0.00	8290A
2,3,4,6,7,8-HxCDF	ND		4.9	0.88	pg/g	0.1	0.00	8290A
1,2,3,4,6,7,8-HpCDD	**6.0**	**B**	4.9	0.32	pg/g	0.01	**0.060**	8290A
1,2,3,4,6,7,8-HpCDF	**2.1**	**J q B**	4.9	0.32	pg/g	0.01	**0.021**	8290A
1,2,3,4,7,8,9-HpCDF	ND		4.9	0.40	pg/g	0.01	0.00	8290A
OCDD	**17**	**B**	9.8	0.58	pg/g	0.0003	**0.0051**	8290A
OCDF	**2.4**	**J B**	9.8	0.66	pg/g	0.0003	**0.00072**	8290A
2,3,7,8-TCDF - RA	**1.3**		0.98	0.22	pg/g	0.1	**0.13**	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.67	TEQ

Client Sample ID: AOC3/AOC8-S8C-2 — Lab Sample ID: 320-80943-33

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		0.95	0.11	pg/g	1	0.00	8290A
2,3,7,8-TCDF	**0.16**	**J**	0.95	0.057	pg/g	0.1	**0.016**	8290A
1,2,3,7,8-PeCDD	ND		4.7	0.087	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	ND		4.7	0.060	pg/g	0.03	0.00	8290A
2,3,4,7,8-PeCDF	ND		4.7	0.061	pg/g	0.3	0.00	8290A
1,2,3,4,7,8-HxCDD	**0.28**	**J B**	4.7	0.067	pg/g	0.1	**0.028**	8290A
1,2,3,6,7,8-HxCDD	ND		4.7	0.065	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDD	**0.12**	**J q B**	4.7	0.058	pg/g	0.1	**0.012**	8290A
1,2,3,4,7,8-HxCDF	ND		4.7	0.12	pg/g	0.1	0.00	8290A
1,2,3,6,7,8-HxCDF	ND		4.7	0.12	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDF	**0.14**	**J**	4.7	0.13	pg/g	0.1	**0.014**	8290A
2,3,4,6,7,8-HxCDF	ND		4.7	0.12	pg/g	0.1	0.00	8290A

TEF Reference:
WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Client Sample ID: AOC3/AOC8-S8C-2 (Continued) — Lab Sample ID: 320-80943-33

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
1,2,3,4,6,7,8-HpCDD	0.30	J q B	4.7	0.028	pg/g	0.01	0.0030	8290A
1,2,3,4,6,7,8-HpCDF	0.24	J B	4.7	0.036	pg/g	0.01	0.0024	8290A
1,2,3,4,7,8,9-HpCDF	0.12	J B	4.7	0.045	pg/g	0.01	0.0012	8290A
OCDD	1.6	J B	9.5	0.072	pg/g	0.0003	0.00048	8290A
OCDF	0.39	J B	9.5	0.076	pg/g	0.0003	0.00012	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.077	TEQ

Client Sample ID: AOC3/AOC8-S2D-0.5 — Lab Sample ID: 320-80943-48

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	1.3	q	0.98	0.42	pg/g	1	1.3	8290A
1,2,3,7,8-PeCDD	ND		4.9	0.30	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	0.65	J	4.9	0.29	pg/g	0.03	0.020	8290A
2,3,4,7,8-PeCDF	0.87	J	4.9	0.29	pg/g	0.3	0.26	8290A
1,2,3,4,7,8-HxCDD	0.71	J q B	4.9	0.16	pg/g	0.1	0.071	8290A
1,2,3,6,7,8-HxCDD	0.62	J q	4.9	0.15	pg/g	0.1	0.062	8290A
1,2,3,7,8,9-HxCDD	0.72	J B	4.9	0.14	pg/g	0.1	0.072	8290A
1,2,3,4,7,8-HxCDF	0.67	J	4.9	0.26	pg/g	0.1	0.067	8290A
1,2,3,6,7,8-HxCDF	0.74	J q	4.9	0.25	pg/g	0.1	0.074	8290A
1,2,3,7,8,9-HxCDF	0.62	J	4.9	0.26	pg/g	0.1	0.062	8290A
2,3,4,6,7,8-HxCDF	0.74	J	4.9	0.25	pg/g	0.1	0.074	8290A
1,2,3,4,6,7,8-HpCDD	3.8	J B	4.9	0.078	pg/g	0.01	0.038	8290A
1,2,3,4,6,7,8-HpCDF	1.4	J B	4.9	0.082	pg/g	0.01	0.014	8290A
1,2,3,4,7,8,9-HpCDF	0.52	J q B	4.9	0.10	pg/g	0.01	0.0052	8290A
OCDD	19	B	9.8	0.12	pg/g	0.0003	0.0057	8290A
OCDF	2.4	J B	9.8	0.11	pg/g	0.0003	0.00072	8290A
2,3,7,8-TCDF - RA	1.0		0.98	0.56	pg/g	0.1	0.10	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		2.2	TEQ

Client Sample ID: AOC3/AOC8-S2D-2 — Lab Sample ID: 320-80943-49

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		0.96	0.12	pg/g	1	0.00	8290A
2,3,7,8-TCDF	0.50	J	0.96	0.065	pg/g	0.1	0.050	8290A
1,2,3,7,8-PeCDD	ND		4.8	0.12	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	0.31	J	4.8	0.074	pg/g	0.03	0.0093	8290A

TEF Reference:
WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Client Sample ID: AOC3/AOC8-S2D-2 (Continued)

Lab Sample ID: 320-80943-49

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,4,7,8-PeCDF	0.13	J q	4.8	0.075	pg/g	0.3	0.039	8290A
1,2,3,4,7,8-HxCDD	0.25	J q B	4.8	0.084	pg/g	0.1	0.025	8290A
1,2,3,6,7,8-HxCDD	ND		4.8	0.080	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDD	ND		4.8	0.072	pg/g	0.1	0.00	8290A
1,2,3,4,7,8-HxCDF	0.15	J q	4.8	0.11	pg/g	0.1	0.015	8290A
1,2,3,6,7,8-HxCDF	0.20	J	4.8	0.10	pg/g	0.1	0.020	8290A
1,2,3,7,8,9-HxCDF	0.13	J	4.8	0.11	pg/g	0.1	0.013	8290A
2,3,4,6,7,8-HxCDF	0.16	J	4.8	0.10	pg/g	0.1	0.016	8290A
1,2,3,4,6,7,8-HpCDD	0.51	J B	4.8	0.045	pg/g	0.01	0.0051	8290A
1,2,3,4,6,7,8-HpCDF	0.41	J B	4.8	0.043	pg/g	0.01	0.0041	8290A
1,2,3,4,7,8,9-HpCDF	0.18	J q B	4.8	0.054	pg/g	0.01	0.0018	8290A
OCDD	2.4	J B	9.6	0.075	pg/g	0.0003	0.00072	8290A
OCDF	0.93	J B	9.6	0.099	pg/g	0.0003	0.00028	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.20	TEQ

Client Sample ID: AOC3/AOC8-S1E-0.5

Lab Sample ID: 320-80943-50

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	0.32	J q	1.0	0.090	pg/g	1	0.32	8290A
2,3,7,8-TCDF	0.30	J	1.0	0.058	pg/g	0.1	0.030	8290A
1,2,3,7,8-PeCDD	ND		5.0	0.13	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	ND		5.0	0.090	pg/g	0.03	0.00	8290A
2,3,4,7,8-PeCDF	ND		5.0	0.091	pg/g	0.3	0.00	8290A
1,2,3,4,7,8-HxCDD	0.37	J B	5.0	0.10	pg/g	0.1	0.037	8290A
1,2,3,6,7,8-HxCDD	0.29	J	5.0	0.098	pg/g	0.1	0.029	8290A
1,2,3,7,8,9-HxCDD	0.33	J B	5.0	0.087	pg/g	0.1	0.033	8290A
1,2,3,4,7,8-HxCDF	ND		5.0	0.15	pg/g	0.1	0.00	8290A
1,2,3,6,7,8-HxCDF	ND		5.0	0.14	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDF	ND		5.0	0.15	pg/g	0.1	0.00	8290A
2,3,4,6,7,8-HxCDF	ND		5.0	0.15	pg/g	0.1	0.00	8290A
1,2,3,4,6,7,8-HpCDD	2.2	J B	5.0	0.078	pg/g	0.01	0.022	8290A
1,2,3,4,6,7,8-HpCDF	0.68	J B	5.0	0.077	pg/g	0.01	0.0068	8290A
1,2,3,4,7,8,9-HpCDF	ND		5.0	0.097	pg/g	0.01	0.00	8290A
OCDD	22	B	10	0.14	pg/g	0.0003	0.0066	8290A
OCDF	1.7	J q B	10	0.12	pg/g	0.0003	0.00051	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.48	TEQ

TEF Reference:

WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-2

Client Sample ID: AOC3/AOC8-S1E-2

Lab Sample ID: 320-80943-51

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		0.96	0.098	pg/g	1	0.00	8290A
2,3,7,8-TCDF	**0.23**	**J**	0.96	0.049	pg/g	0.1	**0.023**	8290A
1,2,3,7,8-PeCDD	ND		4.8	0.097	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	ND		4.8	0.068	pg/g	0.03	0.00	8290A
2,3,4,7,8-PeCDF	ND		4.8	0.069	pg/g	0.3	0.00	8290A
1,2,3,4,7,8-HxCDD	**0.29**	**J q B**	4.8	0.097	pg/g	0.1	**0.029**	8290A
1,2,3,6,7,8-HxCDD	ND		4.8	0.093	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDD	ND		4.8	0.083	pg/g	0.1	0.00	8290A
1,2,3,4,7,8-HxCDF	ND		4.8	0.16	pg/g	0.1	0.00	8290A
1,2,3,6,7,8-HxCDF	ND		4.8	0.16	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDF	ND		4.8	0.17	pg/g	0.1	0.00	8290A
2,3,4,6,7,8-HxCDF	ND		4.8	0.16	pg/g	0.1	0.00	8290A
1,2,3,4,6,7,8-HpCDD	**0.42**	**J B**	4.8	0.065	pg/g	0.01	**0.0042**	8290A
1,2,3,4,6,7,8-HpCDF	**0.20**	**J q B**	4.8	0.045	pg/g	0.01	**0.0020**	8290A
1,2,3,4,7,8,9-HpCDF	ND		4.8	0.057	pg/g	0.01	0.00	8290A
OCDD	**2.5**	**J B**	9.6	0.099	pg/g	0.0003	**0.00075**	8290A
OCDF	**0.59**	**J B**	9.6	0.099	pg/g	0.0003	**0.00018**	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.059	TEQ

TEF Reference:

WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Isotope Dilution Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-2

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCDD (40-135)	TCDF (40-135)	PeCDD (40-135)	PeCDF (40-135)	HxDD (40-135)	HxCDF (40-135)	HpCDD (40-135)	HpCDF (40-135)
320-80943-13	AOC3/AOC8-S5B-0.5	57	59	63	64	54	61	74	68
320-80943-14	AOC3/AOC8-S5B-2	60	62	65	67	65	66	79	72
320-80943-32	AOC3/AOC8-S8C-0.5	70		71	75	63	66	71	68
320-80943-32 - RA	AOC3/AOC8-S8C-0.5		73						
320-80943-33	AOC3/AOC8-S8C-2	60	64	66	67	64	67	78	70
320-80943-48	AOC3/AOC8-S2D-0.5	18 *5-		31 *5-	29 *5-	46	43	68	58
320-80943-48 - RA	AOC3/AOC8-S2D-0.5		23 *5-						
320-80943-49	AOC3/AOC8-S2D-2	62	64	65	67	67	69	81	72
320-80943-50	AOC3/AOC8-S1E-0.5	63	65	69	72	68	67	69	63
320-80943-51	AOC3/AOC8-S1E-2	61	64	67	68	67	66	75	69
LCS 320-538806/2-A	Lab Control Sample	59	62	60	61	71	74	78	75
LCSD 320-538806/3-A	Lab Control Sample Dup	61	61	67	66	62	60	79	68
MB 320-538806/1-A	Method Blank	60	60	65	64	69	71	77	71

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OCDD (40-135)
320-80943-13	AOC3/AOC8-S5B-0.5	69
320-80943-14	AOC3/AOC8-S5B-2	77
320-80943-32	AOC3/AOC8-S8C-0.5	66
320-80943-32 - RA	AOC3/AOC8-S8C-0.5	
320-80943-33	AOC3/AOC8-S8C-2	74
320-80943-48	AOC3/AOC8-S2D-0.5	68
320-80943-48 - RA	AOC3/AOC8-S2D-0.5	
320-80943-49	AOC3/AOC8-S2D-2	83
320-80943-50	AOC3/AOC8-S1E-0.5	65
320-80943-51	AOC3/AOC8-S1E-2	70
LCS 320-538806/2-A	Lab Control Sample	73
LCSD 320-538806/3-A	Lab Control Sample Dup	77
MB 320-538806/1-A	Method Blank	75

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD
TCDF = 13C-2,3,7,8-TCDF
PeCDD = 13C-1,2,3,7,8-PeCDD
PeCDF = 13C-1,2,3,7,8-PeCDF
HxDD = 13C-1,2,3,6,7,8-HxCDD
HxCDF = 13C-1,2,3,4,7,8-HxCDF
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HpCDF = 13C-1,2,3,4,6,7,8-HpCDF
OCDD = 13C-OCDD

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-538806/1-A
Matrix: Solid
Analysis Batch: 541728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 538806

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.0	0.54	pg/g		11/01/21 10:14	11/10/21 16:44	1
2,3,7,8-TCDF	ND		1.0	0.30	pg/g		11/01/21 10:14	11/10/21 16:44	1
1,2,3,7,8-PeCDD	ND		5.0	0.42	pg/g		11/01/21 10:14	11/10/21 16:44	1
1,2,3,7,8-PeCDF	ND		5.0	0.24	pg/g		11/01/21 10:14	11/10/21 16:44	1
2,3,4,7,8-PeCDF	ND		5.0	0.24	pg/g		11/01/21 10:14	11/10/21 16:44	1
1,2,3,4,7,8-HxCDD	0.452	J	5.0	0.21	pg/g		11/01/21 10:14	11/10/21 16:44	1
1,2,3,6,7,8-HxCDD	ND		5.0	0.20	pg/g		11/01/21 10:14	11/10/21 16:44	1
1,2,3,7,8,9-HxCDD	0.506	J	5.0	0.18	pg/g		11/01/21 10:14	11/10/21 16:44	1
1,2,3,4,7,8-HxCDF	ND		5.0	0.41	pg/g		11/01/21 10:14	11/10/21 16:44	1
1,2,3,6,7,8-HxCDF	ND		5.0	0.39	pg/g		11/01/21 10:14	11/10/21 16:44	1
1,2,3,7,8,9-HxCDF	ND		5.0	0.42	pg/g		11/01/21 10:14	11/10/21 16:44	1
2,3,4,6,7,8-HxCDF	ND		5.0	0.40	pg/g		11/01/21 10:14	11/10/21 16:44	1
1,2,3,4,6,7,8-HpCDD	0.764	J	5.0	0.14	pg/g		11/01/21 10:14	11/10/21 16:44	1
1,2,3,4,6,7,8-HpCDF	0.630	J	5.0	0.080	pg/g		11/01/21 10:14	11/10/21 16:44	1
1,2,3,4,7,8,9-HpCDF	0.346	J q	5.0	0.10	pg/g		11/01/21 10:14	11/10/21 16:44	1
OCDD	6.40	J	10	0.24	pg/g		11/01/21 10:14	11/10/21 16:44	1
OCDF	0.947	J q	10	0.31	pg/g		11/01/21 10:14	11/10/21 16:44	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*60*		*40 - 135*	*11/01/21 10:14*	*11/10/21 16:44*	*1*
13C-2,3,7,8-TCDF	*60*		*40 - 135*	*11/01/21 10:14*	*11/10/21 16:44*	*1*
13C-1,2,3,7,8-PeCDD	*65*		*40 - 135*	*11/01/21 10:14*	*11/10/21 16:44*	*1*
13C-1,2,3,7,8-PeCDF	*64*		*40 - 135*	*11/01/21 10:14*	*11/10/21 16:44*	*1*
13C-1,2,3,6,7,8-HxCDD	*69*		*40 - 135*	*11/01/21 10:14*	*11/10/21 16:44*	*1*
13C-1,2,3,4,7,8-HxCDF	*71*		*40 - 135*	*11/01/21 10:14*	*11/10/21 16:44*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*77*		*40 - 135*	*11/01/21 10:14*	*11/10/21 16:44*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*71*		*40 - 135*	*11/01/21 10:14*	*11/10/21 16:44*	*1*
13C-OCDD	*75*		*40 - 135*	*11/01/21 10:14*	*11/10/21 16:44*	*1*

Lab Sample ID: LCS 320-538806/2-A
Matrix: Solid
Analysis Batch: 541728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538806

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD	20.0	23.8		pg/g		119	77 - 130
2,3,7,8-TCDF	20.0	22.6		pg/g		113	79 - 137
1,2,3,7,8-PeCDD	100	111		pg/g		111	79 - 134
1,2,3,7,8-PeCDF	100	109		pg/g		109	81 - 134
2,3,4,7,8-PeCDF	100	104		pg/g		104	76 - 132
1,2,3,4,7,8-HxCDD	100	119		pg/g		119	65 - 144
1,2,3,6,7,8-HxCDD	100	115		pg/g		115	73 - 147
1,2,3,7,8,9-HxCDD	100	107		pg/g		107	80 - 143
1,2,3,4,7,8-HxCDF	100	116		pg/g		116	72 - 140
1,2,3,6,7,8-HxCDF	100	115		pg/g		115	63 - 152
1,2,3,7,8,9-HxCDF	100	105		pg/g		105	72 - 152
2,3,4,6,7,8-HxCDF	100	111		pg/g		111	72 - 151
1,2,3,4,6,7,8-HpCDD	100	110		pg/g		110	86 - 134
1,2,3,4,6,7,8-HpCDF	100	108		pg/g		108	81 - 137
1,2,3,4,7,8,9-HpCDF	100	115		pg/g		115	79 - 139

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-538806/2-A
Matrix: Solid
Analysis Batch: 541728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538806

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
OCDD			200	225		pg/g		113	80 - 137		
OCDF			200	229		pg/g		115	75 - 141		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*59*		*40 - 135*
13C-2,3,7,8-TCDF	*62*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*60*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*61*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*71*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*74*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*78*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*75*		*40 - 135*
13C-OCDD	*73*		*40 - 135*

Lab Sample ID: LCSD 320-538806/3-A
Matrix: Solid
Analysis Batch: 541728

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 538806

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,7,8-TCDD			20.0	24.5		pg/g		122	77 - 130	3	20
2,3,7,8-TCDF			20.0	23.6		pg/g		118	79 - 137	4	20
1,2,3,7,8-PeCDD			100	108		pg/g		108	79 - 134	3	20
1,2,3,7,8-PeCDF			100	112		pg/g		112	81 - 134	2	20
2,3,4,7,8-PeCDF			100	103		pg/g		103	76 - 132	1	20
1,2,3,4,7,8-HxCDD			100	107		pg/g		107	65 - 144	11	20
1,2,3,6,7,8-HxCDD			100	120		pg/g		120	73 - 147	4	20
1,2,3,7,8,9-HxCDD			100	118		pg/g		118	80 - 143	10	20
1,2,3,4,7,8-HxCDF			100	120		pg/g		120	72 - 140	4	20
1,2,3,6,7,8-HxCDF			100	118		pg/g		118	63 - 152	3	20
1,2,3,7,8,9-HxCDF			100	127		pg/g		127	72 - 152	19	20
2,3,4,6,7,8-HxCDF			100	118		pg/g		118	72 - 151	6	20
1,2,3,4,6,7,8-HpCDD			100	107		pg/g		107	86 - 134	2	20
1,2,3,4,6,7,8-HpCDF			100	115		pg/g		115	81 - 137	6	20
1,2,3,4,7,8,9-HpCDF			100	130		pg/g		130	79 - 139	13	20
OCDD			200	225		pg/g		113	80 - 137	0	20
OCDF			200	230		pg/g		115	75 - 141	0	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*61*		*40 - 135*
13C-2,3,7,8-TCDF	*61*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*67*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*66*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*62*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*60*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*79*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*68*		*40 - 135*
13C-OCDD	*77*		*40 - 135*

QC Association Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-2

Specialty Organics

Prep Batch: 538806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-13	AOC3/AOC8-S5B-0.5	Total/NA	Solid	8290	
320-80943-14	AOC3/AOC8-S5B-2	Total/NA	Solid	8290	
320-80943-32	AOC3/AOC8-S8C-0.5	Total/NA	Solid	8290	
320-80943-32 - RA	AOC3/AOC8-S8C-0.5	Total/NA	Solid	8290	
320-80943-33	AOC3/AOC8-S8C-2	Total/NA	Solid	8290	
320-80943-48	AOC3/AOC8-S2D-0.5	Total/NA	Solid	8290	
320-80943-48 - RA	AOC3/AOC8-S2D-0.5	Total/NA	Solid	8290	
320-80943-49	AOC3/AOC8-S2D-2	Total/NA	Solid	8290	
320-80943-50	AOC3/AOC8-S1E-0.5	Total/NA	Solid	8290	
320-80943-51	AOC3/AOC8-S1E-2	Total/NA	Solid	8290	
MB 320-538806/1-A	Method Blank	Total/NA	Solid	8290	
LCS 320-538806/2-A	Lab Control Sample	Total/NA	Solid	8290	
LCSD 320-538806/3-A	Lab Control Sample Dup	Total/NA	Solid	8290	

Analysis Batch: 541728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-13	AOC3/AOC8-S5B-0.5	Total/NA	Solid	8290A	538806
MB 320-538806/1-A	Method Blank	Total/NA	Solid	8290A	538806
LCS 320-538806/2-A	Lab Control Sample	Total/NA	Solid	8290A	538806
LCSD 320-538806/3-A	Lab Control Sample Dup	Total/NA	Solid	8290A	538806

Analysis Batch: 542002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-14	AOC3/AOC8-S5B-2	Total/NA	Solid	8290A	538806
320-80943-32	AOC3/AOC8-S8C-0.5	Total/NA	Solid	8290A	538806
320-80943-33	AOC3/AOC8-S8C-2	Total/NA	Solid	8290A	538806
320-80943-48	AOC3/AOC8-S2D-0.5	Total/NA	Solid	8290A	538806
320-80943-49	AOC3/AOC8-S2D-2	Total/NA	Solid	8290A	538806
320-80943-50	AOC3/AOC8-S1E-0.5	Total/NA	Solid	8290A	538806
320-80943-51	AOC3/AOC8-S1E-2	Total/NA	Solid	8290A	538806

Analysis Batch: 543816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-32 - RA	AOC3/AOC8-S8C-0.5	Total/NA	Solid	8290A	538806
320-80943-48 - RA	AOC3/AOC8-S2D-0.5	Total/NA	Solid	8290A	538806

Lab Chronicle

Client: Ninyo & Moore
Job ID: 320-80943-2
Project/Site: Cole School PEA

Client Sample ID: AOC3/AOC8-S5B-0.5
Lab Sample ID: 320-80943-13
Date Collected: 10/27/21 10:00
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.44 g	20.0 uL	538806	11/01/21 10:14	FC	TAL SAC
Total/NA	Analysis	8290A		1			541728	11/10/21 19:44	DB	TAL SAC

Client Sample ID: AOC3/AOC8-S5B-2
Lab Sample ID: 320-80943-14
Date Collected: 10/27/21 10:02
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.54 g	20.0 uL	538806	11/01/21 10:14	FC	TAL SAC
Total/NA	Analysis	8290A		1			542002	11/11/21 18:53	GRB	TAL SAC

Client Sample ID: AOC3/AOC8-S8C-0.5
Lab Sample ID: 320-80943-32
Date Collected: 10/27/21 11:55
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.19 g	20.0 uL	538806	11/01/21 10:14	FC	TAL SAC
Total/NA	Analysis	8290A		1			542002	11/11/21 19:38	GRB	TAL SAC
Total/NA	Prep	8290	RA		10.19 g	20.0 uL	538806	11/01/21 10:14	FC	TAL SAC
Total/NA	Analysis	8290A	RA	1			543816	11/18/21 10:56	DB	TAL SAC

Client Sample ID: AOC3/AOC8-S8C-2
Lab Sample ID: 320-80943-33
Date Collected: 10/27/21 12:00
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.54 g	20.0 uL	538806	11/01/21 10:14	FC	TAL SAC
Total/NA	Analysis	8290A		1			542002	11/11/21 20:23	GRB	TAL SAC

Client Sample ID: AOC3/AOC8-S2D-0.5
Lab Sample ID: 320-80943-48
Date Collected: 10/27/21 13:16
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.17 g	20.0 uL	538806	11/01/21 10:14	FC	TAL SAC
Total/NA	Analysis	8290A		1			542002	11/11/21 21:08	GRB	TAL SAC
Total/NA	Prep	8290	RA		10.17 g	20.0 uL	538806	11/01/21 10:14	FC	TAL SAC
Total/NA	Analysis	8290A	RA	1			543816	11/18/21 11:35	DB	TAL SAC

Client Sample ID: AOC3/AOC8-S2D-2
Lab Sample ID: 320-80943-49
Date Collected: 10/27/21 13:18
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.44 g	20.0 uL	538806	11/01/21 10:14	FC	TAL SAC
Total/NA	Analysis	8290A		1			542002	11/11/21 21:53	GRB	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-2

Client Sample ID: AOC3/AOC8-S1E-0.5

Lab Sample ID: 320-80943-50

Date Collected: 10/27/21 13:27

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.01 g	20.0 uL	538806	11/01/21 10:14	FC	TAL SAC
Total/NA	Analysis	8290A		1			542002	11/11/21 22:38	GRB	TAL SAC

Client Sample ID: AOC3/AOC8-S1E-2

Lab Sample ID: 320-80943-51

Date Collected: 10/27/21 13:29

Matrix: Solid

Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.41 g	20.0 uL	538806	11/01/21 10:14	FC	TAL SAC
Total/NA	Analysis	8290A		1			542002	11/11/21 23:23	GRB	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-2

Laboratory: Eurofins TestAmerica, Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
TEQ		Solid	Total Dioxin/Furan TEQ

Method Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-2

Method	Method Description	Protocol	Laboratory
8290A	Dioxins and Furans (HRGC/HRMS)	SW846	TAL SAC
TEQ	Total TEQ Calculation	Lab SOP	TAL SAC
8290	Soxhlet Extraction of Dioxins and Furans	SW846	TAL SAC

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

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

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-80943-13	AOC3/AOC8-S5B-0.5	Solid	10/27/21 10:00	10/28/21 12:50
320-80943-14	AOC3/AOC8-S5B-2	Solid	10/27/21 10:02	10/28/21 12:50
320-80943-32	AOC3/AOC8-S8C-0.5	Solid	10/27/21 11:55	10/28/21 12:50
320-80943-33	AOC3/AOC8-S8C-2	Solid	10/27/21 12:00	10/28/21 12:50
320-80943-48	AOC3/AOC8-S2D-0.5	Solid	10/27/21 13:16	10/28/21 12:50
320-80943-49	AOC3/AOC8-S2D-2	Solid	10/27/21 13:18	10/28/21 12:50
320-80943-50	AOC3/AOC8-S1E-0.5	Solid	10/27/21 13:27	10/28/21 12:50
320-80943-51	AOC3/AOC8-S1E-2	Solid	10/27/21 13:29	10/28/21 12:50

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

320-80943

201237

eurofins

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Nathan Diem	Date: 10.27.21	COC No:
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier:	1 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: NDD & NES
Alameda California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling:
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC3-S3B-0.5	10.27.21	854	G	S	1							X	X		X	
AOC3-S3B-2 ND		900										X				
AOC3-S2A-0.5 ND		900										X	X		X	
AOC3-S2A-2		902										X				
AOC3-S3A-0.5		906										X	X		X	
AOC3-S3A-2		910										X				
AOC3-S4A-0.5		943										X	X		X	
AOC3-S4A-2		945										X				
AOC3-S5A-0.5		945								X		X	X			
AOC3-S5A-2		950										X				
AOC3-S4B-0.5		956										X	X		X	

320-80943 Chain of Custody

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments: Hold samples for addional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No		Cooler Temp. (°C): Obs'd: _____ Corr'd _____ Therm ID No _____		
Relinquished by:	Company: N&M	Date/Time: 10.27.21 1520	Received by: Leslie Jung	Company: N&M	Date/Time: 10.27 1520
Relinquished by: Leslie Jung	Company: N&M	Date/Time: 10/28 1144	Received by:	Company: ETA-SJ	Date/Time: 10.28.21 1144
Relinquished by:	Company: ETA-SJ	Date/Time: 10.28.21 1250	Received in Laboratory by:	Company: ETA-SJ	Date/Time: 10/28/21 1250

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2.5 | 2.4

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Nathan	Date 10.27.21	COC No
Ninyo & Moore	Email. ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier	2 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling:
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC3-54B-2	10.27.21	958	G	S	1							X	*			
AOC3/AOC8-55B-0.5		1000										X	X	X	X	
AOC3/AOC8-55B-2		1002										X		X		
AOC3-56B-0.5		1023										X	X		X	
AOC3-56B-2		1026										X				
AOC3-56A-0.5		1028										X	X		X	
AOC3-56A-2		1030										X	ND		ND	
AOC3-57A-0.5		1035										X	X		X	
AOC3-57A-2		1038										X				
AOC3-57B-0.5		1043										X	X		X	
AOC3-57B-2		1047										X				

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments.
Hold samples for addional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temp. (°C): Obs'd._____ Corr'd._____ Therm ID No._____			
Relinquished by:	Company: NEM	Date/Time: 10.27.21 1520	Received by: Leslie Jung	Company: N&M	Date/Time: 1520
Relinquished by: Leslie Jung	Company: N&M	Date/Time: 10.27 1144	Received by:	Company: ETA-SJ	Date/Time: 102821 1144
Relinquished by:	Company: ETA SJ	Date/Time: 10.28.21 1250	Received in Laboratory by:	Company: ETASJ	Date/Time: 10/28/21 1250

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

12/15/2021 (Rev. 1)

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

eurofins — Environment Testing TestAmerica

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Nathan Diem	Date: 10.27.21	COC No:
Ninyo & Moore	Email ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier:	3 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler:
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes.
AOC3/AOC10-S8A-0.5	10.27.21	1101	G	S	1				X	X	X	X	X			
AOC3/AOC10-S8A-2		1103							X	X	X	X				
AOC3/AOC10-S8B-0.5		1127							X	X	X	X	X			
~~AOC3/AOC10-S8B-0.5~~																
AOC3/AOC10-S8B-2		1129							X	X	X	X				
AOC3/AOC10-S9C-0.5		1141							X	X	X	X	X			
AOC3/AOC10-S9C-05 DUP		1141							X	X	X	X	X			
AOC3/AOC10-S9C-2		1144							X	X	X	X				
AOC3-S8D-0.5		1145										X	X		X	
AOC3-S8D-2.0		1150										X				
AOC3/AOC8-S8C-0.5		1155										X	X	X	X	

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments
Hold samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temp. (°C): Obs'd: _____ Corr'd. _____ Therm ID No. _____			
Relinquished by:	Company: N&M	Date/Time: 10 27.21 1530	Received by: Leslie Jung	Company: N&M	Date/Time: 10/27 15 20
Relinquished by: Leslie Jung	Company: N&M	Date/Time: 10/27 1144	Received by:	Company: EA SJ	Date/Time: 10/28/21 1144
Relinquished by:	Company: EA SJ	Date/Time: 10/28/21 1250	Received in Laboratory by:	Company: EA SS	Date/Time: 10/28/21 1250

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

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Chain of Custody Record

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

eurofins

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact:	Date:	COC No.
Ninyo & Moore	Email ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier:	4 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler:
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling
Project Name: Cole School PEA	☑ 2 weeks			Job / SDG No
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC3/AOC8-58C-2	10.27.21	1200	G	S	1							X		X		
AOC3-57C-0.5		1159										X	X		X	
AOC3-57C-2		1201										X	[illegible]			
AOC3-56C-0.5		1205										X	X		X	
AOC3-56C-2		1207										X				
AOC3-57D-0.5		1225								X		X	X			
AOC3-57D-2		1230								X		X				
AOC3-55C-0.5		1230										X	X		X	
AOC3-55C-2		1235										X				
AOC3-54C-0.5		1235										X	X		X	
AOC3-54C-2		1240										X				

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments
Hold samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp (°C): Obs'd._____ Corr'd._____ Therm ID No. _____			
Relinquished by: [signature]	Company: N&M	Date/Time: 10.27.21 1520	Received by: Leslie Jung	Company: N&M	Date/Time: 10/27 1520
Relinquished by: Leslie Jung	Company: N&M	Date/Time: 10/28 1144	Received by: [signature]	Company: ETA SV	Date/Time: 10/28/21 1144
Relinquished by: [signature]	Company: ETA-SV	Date/Time: 10/28/21 1250	Received in Laboratory by: [signature]	Company: TAL SS	Date/Time: 10/28/21 1250

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

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Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

eurofins

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

Client Contact	Project Manager: Nathan Diem	Site Contact: Nathan Diem	Date: 10.27.21	COC No.
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier:	5 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler:
Alameda, California 94501	**Analysis Turnaround Time**			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling:
Project Name. Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes.
AOC3-S3C-0.5	10.27.21	12:50										X	X		X	
AOC3-S3C-2	"	1255										X	X		X	
AOC3-S1D-0.5		1314								X		X	X			
AOC3-S1D-2		1315								BND		X				
AOC3/AOC8-S2D-0.5		1316										X	X	X	X	
AOC3/AOC8-S2D-2		1318										X		X		
AOC3/AOC8-S1E-0.5		1327										X	X	X	X	
AOC3/AOC8-S1E-2		1329										X		X		
AOC3-S2E-0.5		1330										X	X		X	
AOC3-S2E-2 BND		1332										X				
AOC3-S3E-0.5		1350										X	X		X	

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments:
Hold Samples for additional Analysis

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp. (°C): Obs'd: _____ Corr'd _____ Therm ID No. _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	N&M	10.27.21 1520	Received by: Leslie Jung	N&M	10/27 15:20
Relinquished by: Leslie Jung	N&M	10/28 1144	Received by:	ETA-SJ	10.28.21 1144
Relinquished by:	ETA-SJ	10.28.21 1250	Received in Laboratory by:	ETA-SJ	10/28/21 1250

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

12/15/2021 (Rev. 1)

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Nathan Diem	Date: 10.27.21	COC No:
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier:	6 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler:
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling:
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes.
~~NS~~ AOC3-S3E-2	10.27.21	1352	G	S	1							X				
AOC3-S3D-0.5		1352										X	X		X	
AOC3-S3D-2		1354										X	~~X~~		~~X~~	
AOC3-S4D-0.5		1358										X	X		X	
AOC3-S4D-2		1400										X				
AOC3-S4E-0.5		1405								X		X	X			
AOC3-S4E-2		1407										X				

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments.
Hold samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp (°C): Obs'd._____ Corr'd:_____ Therm ID No.:_____			
Relinquished by:	Company: NMM	Date/Time: 10.27.21 1520	Received by: Leslie Jung	Company: NMM	Date/Time: 10/27 1520
Relinquished by: Leslie Jung	Company: NMM	Date/Time: 10/28 11:44	Received by:	Company: EA-SS	Date/Time: 10/28/21 11:44
Relinquished by:	Company: EA SS	Date/Time: 10/28/21 1250	Received in Laboratory by:	Company: EA SS	Date/Time: 10/28/21 1250

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

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12/15/2021 (Rev. 1)

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247275.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 1 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80943-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/3/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8270C/3550B (MOD) Local Method	8270C_SIM/3546 (MOD) PAH SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S3B-0.5 (320-80943-1)	10/27/21	08:54 Pacific		Solid			X	X	X				1	
AOC3-S3B-2ND (320-80943-2)	10/27/21	09:00 Pacific		Solid				X					1	
AOC3-S2A-0.5ND (320-80943-3)	10/27/21	09:00 Pacific		Solid			X	X	X				1	
AOC3-S2A-2 (320-80943-4)	10/27/21	09:02 Pacific		Solid				X					1	
AOC3-S3A-0.5 (320-80943-5)	10/27/21	09:06 Pacific		Solid			X	X	X				1	
AOC3-S3A-2 (320-80943-6)	10/27/21	09:10 Pacific		Solid				X					1	
AOC3-S4A-0.5 (320-80943-7)	10/27/21	09:43 Pacific		Solid			X	X	X				1	
AOC3-S4A-2 (320-80943-8)	10/27/21	09:45 Pacific		Solid				X					1	
AOC3-S5A-0.5 (320-80943-9)	10/27/21	09:45 Pacific		Solid				X	X				1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	1600	10/28/21	EMSL	Paul dcs	10/28/21 1600	DCS
2	1600			Paul dcs	1900	
3					10-28-21 19:00	EETEAC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.5 & 2.2

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247275.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 2 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80943-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/3/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8270C/3550B (MOD) Local Method	8270C_SIM/3546 (MOD) PAH SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S5A-2 (320-80943-10)	10/27/21	09:50 Pacific		Solid				X					1	
AOC3-S4B-0.5 (320-80943-11)	10/27/21	09:56 Pacific		Solid			X	X	X				1	
AOC3-S4B-2 (320-80943-12)	10/27/21	09:58 Pacific		Solid				X					1	
AOC3/AOC8-S5B-0.5 (320-80943-13)	10/27/21	10:00 Pacific		Solid			X	X	X	X			1	
AOC3/AOC8-S5B-2 (320-80943-14)	10/27/21	10:02 Pacific		Solid				X		X			1	
AOC3-A6B-0.5 (320-80943-15)	10/27/21	10:23 Pacific		Solid			X	X	X				1	
AOC3-A6B-2 (320-80943-16)	10/27/21	10:26 Pacific		Solid				X					1	
AOC3-S6A-0.5 (320-80943-17)	10/27/21	10:28 Pacific		Solid			X	X	X				1	
AOC3-S6A-2 (320-80943-18)	10/27/21	10:30 Pacific		Solid				X					1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by: 1600	Date/Time: 10/28/21	Company: TAS	Received by: Paul dcs	Date/Time: 10/28/21 1600	Company: DCS
Relinquished by: 1900	Date/Time:	Company	Received by: Paul dcs	Date/Time: 1900	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10-28-21 19:00	Company: EETSAC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247275.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 3 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80943-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/3/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8270C/3550B (MOD) Local Method	8270C_SIM/3546 (MOD) PAH SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S7A-0.5 (320-80943-19)	10/27/21	10:35 Pacific		Solid			X	X	X				1	
AOC3-S7A-2 (320-80943-20)	10/27/21	10:38 Pacific		Solid				X					1	
AOC3-S7B-0.5 (320-80943-21)	10/27/21	10:43 Pacific		Solid			X	X	X				1	
AOC3-S7B-2 (320-80943-22)	10/27/21	10:47 Pacific		Solid				X					1	
AOC3/AOC10-S8A-0.5 (320-80943-23)	10/27/21	11:01 Pacific		Solid				X	X		X	X	1	
AOC3/AOC10-S8A-2 (320-80943-24)	10/27/21	11:03 Pacific		Solid				X			X	X	1	
AOC3/AOC10-S8B-0.5 (320-80943-25)	10/27/21	11:27 Pacific		Solid				X	X		X	X	1	
AOC3/AOC10-S8B-2 (320-80943-26)	10/27/21	11:29 Pacific		Solid				X			X	X	1	
AOC3/AOC10-S9C-0.5 (320-80943-27)	10/27/21	11:41 Pacific		Solid				X	X		X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature] 1600	12/28/21	TestAmerica	Paul dcs	12/28/21 1600	DCS
2	[signature] 1900		Company	Paul dcs	1900	Company
3	Relinquished by:	Date/Time:	Company	Received by: [signature]	12-28-21 19:00	EETSAC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247275.4
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 4 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80943-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/3/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8270C/3550B (MOD) Local Method	8270C_SIM/3546 (MOD) PAH SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3/AOC10-S9C-0.5DUP (320-80943-28)	10/27/21	11:41 Pacific		Solid				X	X		X	X	1	
AOC3/AOC10-S9C-2 (320-80943-29)	10/27/21	11:44 Pacific		Solid				X			X	X	1	
AOC3-S8D-0.5 (320-80943-30)	10/27/21	11:45 Pacific		Solid			X	X	X				1	
AOC3-S8D-2 (320-80943-31)	10/27/21	11:50 Pacific		Solid				X					1	
AOC3/AOC8-S8C-0.5 (320-80943-32)	10/27/21	11:55 Pacific		Solid			X	X	X	X			1	
AOC3/AOC8-S8C-2 (320-80943-33)	10/27/21	12:00 Pacific		Solid				X		X			1	
AOC3-S7C-0.5 (320-80943-34)	10/27/21	11:59 Pacific		Solid			X	X	X				1	
AOC3-S7C-2 (320-80943-35)	10/27/21	12:01 Pacific		Solid				X					1	
AOC3-S6C-0.5 (320-80943-36)	10/27/21	12:05 Pacific		Solid			X	X	X				1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature] 1600	10/28/21	FEDEX	dcs Paul	10/28/21 1600	DCS
2	1900			dcs Paul	1900	
3				[signature]	10-28-21/19:00	EETSAC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247275.5
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 5 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80943-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/3/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8270C/3550B (MOD) Local Method	8270C_SIM/3546 (MOD) PAH SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S6C-2 (320-80943-37)	10/27/21	12:07 Pacific		Solid				X					1	
AOC3-S7D-0.5 (320-80943-38)	10/27/21	12:25 Pacific		Solid				X	X				1	
AOC3-S7D-2 (320-80943-39)	10/27/21	12:30 Pacific		Solid				X					1	
AOC3-S5C-0.5 (320-80943-40)	10/27/21	12:30 Pacific		Solid			X	X	X				1	
AOC3-S5C-2 (320-80943-41)	10/27/21	12:35 Pacific		Solid				X					1	
AOC3-S4C-0.5 (320-80943-42)	10/27/21	12:35 Pacific		Solid			X	X	X				1	
AOC3-S4C-2 (320-80943-43)	10/27/21	12:40 Pacific		Solid				X					1	
AOC3-S3C-0.5 (320-80943-44)	10/27/21	12:50 Pacific		Solid			X	X	X				1	
AOC3-S3C-2 (320-80943-45)	10/27/21	12:55 Pacific		Solid			X	X	X				1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature] 1600	10/28/21	EST	Paul dcs	10/28/21 1600	DCS
2	[signature] 1900			Paul dcs	1900	
3				[signature]	10-28-21 A:00	EETSAC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247275.6
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 6 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80943-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/3/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8270C/3550B (MOD) Local Method	8270C_SIM/3546 (MOD) PAH SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S1D-0.5 (320-80943-46)	10/27/21	13:14 Pacific		Solid				X	X				1	
AOC3-S1D-2 (320-80943-47)	10/27/21	13:15 Pacific		Solid				X					1	
AOC3/AOC8-S2D-0.5 (320-80943-48)	10/27/21	13:16 Pacific		Solid			X	X	X	X			1	
AOC3/AOC8-S2D-2 (320-80943-49)	10/27/21	13:18 Pacific		Solid				X		X			1	
AOC3/AOC8-S1E-0.5 (320-80943-50)	10/27/21	13:27 Pacific		Solid			X	X	X	X			1	
AOC3/AOC8-S1E-2 (320-80943-51)	10/27/21	13:29 Pacific		Solid				X		X			1	
AOC3-S2E-0.5 (320-80943-52)	10/27/21	13:30 Pacific		Solid			X	X	X				1	
AOC3-S2E-2ND (320-80943-53)	10/27/21	13:32 Pacific		Solid				X					1	
AOC3-S3E-0.5 (320-80943-54)	10/27/21	13:50 Pacific		Solid			X	X	X				1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature] 1600	10/28/21	[illegible]	Paul dcs	10/28/21 1600	DCS
2	[signature] 1900			Paul dcs	1900	
3				[signature]	10-28-21 19:00	EETSAC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247275.7
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 7 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-80943-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/3/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290/8290_P_Sox 17 Isomers List	8270C/3550B (MOD) Local Method	8270C_SIM/3546 (MOD) PAH SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S3E-2 (320-80943-55)	10/27/21	13:52 Pacific		Solid				X					1	
AOC3-S3D-0.5 (320-80943-56)	10/27/21	13:52 Pacific		Solid			X	X	X				1	
AOC3-S3D-2 (320-80943-57)	10/27/21	13:54 Pacific		Solid				X					1	
AOC3-S4D-0.5 (320-80943-58)	10/27/21	13:58 Pacific		Solid			X	X	X				1	
AOC3-S4D-2 (320-80943-59)	10/27/21	14:00 Pacific		Solid				X					1	
AOC3-S4E-0.5 (320-80943-60)	10/27/21	14:05 Pacific		Solid				X	X				1	
AOC3-S4E-2 (320-80943-61)	10/27/21	14:07 Pacific		Solid				X					1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature] 1600	10/28/21	GAMES	Paul dcs	10/28/21 1600	DCS
2	Relinquished by: 1900	Date/Time:	Company	Received by: Paul dcs	Date/Time: 1900	Company
3	Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 10-28-21 19:00	Company EETSAC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

TestAmerica CUSTO SEAL
Date 10/28/21 Signature

/IRC NG

320-80943 Waybill

ORIGIN ID:LVKA (928) 484-1919
SAMPLE RECEIVING
EUROFINS TLST AMERICA
780 MONTAGUE EXPRESSWAY
SUITE 602
SAN JOSE, CA 95131
UNITED STATES US

SHIP DATE: 28OCT21
ACTWGT: 40.90 LB
CAD: 0795504/CAFE3507
DIMS: 28x16x15 IN

BILL SENDER

TO SAMPLE RECEIVING
EUROFINS CALSCIENCE, LLC
7440 LINCOLN WAY

GARDEN GROVE CA 92841
(714) 895-5494 REF:
INV:
PO: DEPT

FedEx Express

FRI - 29 OCT 10:30A
PRIORITY OVERNIGHT

TRK# 0201 5047 2941 7519

92 APVA

92841
CA-US SNA

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-80943-2

Login Number: 80943
List Number: 1
Creator: Garcia, Hilario A

List Source: Eurofins TestAmerica, Sacramento

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

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-80943-2

Login Number: 80943
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	4.5 & 2.2
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-80943-3
Client Project/Site: Cole School PEA
Revision: 1

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Mr. Nathan Diem

Authorized for release by:
12/15/2021 9:35:58 AM

Justinn Gonzales, Project Manager I
(925)484-1919
Justinn.Gonzales@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

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

Job ID: 320-80943-3

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-80943-3

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 11/18/2021. The report (revision 1) is being revised due to: Report samples to MDL per client request.

Receipt
The samples were received on 10/28/2021 12:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.4º C and 2.5º C.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 320-543191 and analytical batch 320-543762 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S3B-2 — Lab Sample ID: 320-80943-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	49	F1	0.49	0.13	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S5A-2 — Lab Sample ID: 320-80943-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.4		0.95	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S4B-2 — Lab Sample ID: 320-80943-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	7.9		0.97	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3/AOC8-S5B-2 — Lab Sample ID: 320-80943-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.2		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S6B-2 — Lab Sample ID: 320-80943-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	8.4		0.95	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S6A-2 — Lab Sample ID: 320-80943-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	54		0.95	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S7A-2 — Lab Sample ID: 320-80943-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	5.5		0.95	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S7B-2 — Lab Sample ID: 320-80943-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	42		0.50	0.13	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3/AOC10-S8A-2 — Lab Sample ID: 320-80943-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	43		0.50	0.13	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S8D-2 — Lab Sample ID: 320-80943-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.0		0.95	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3/AOC8-S8C-2 — Lab Sample ID: 320-80943-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	6.3		1.0	0.26	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S7C-2 — Lab Sample ID: 320-80943-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	6.1		0.95	0.25	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S6C-2 — Lab Sample ID: 320-80943-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	140		0.95	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S5C-2 — Lab Sample ID: 320-80943-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.3		0.99	0.26	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S4C-2 — Lab Sample ID: 320-80943-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.9		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S3E-2 — Lab Sample ID: 320-80943-55

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.0		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S3D-2 — Lab Sample ID: 320-80943-57

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	7.0		1.0	0.26	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S4D-2 — Lab Sample ID: 320-80943-59

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	17		0.98	0.25	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S3B-2

Date Collected: 10/27/21 09:00
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-2

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	49	F1	0.49	0.13	mg/Kg		11/16/21 13:35	11/17/21 15:13	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S5A-2

Date Collected: 10/27/21 09:50
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-10

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.4		0.95	0.25	mg/Kg		11/16/21 13:35	11/17/21 15:32	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S4B-2

Date Collected: 10/27/21 09:58
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-12

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.9		0.97	0.25	mg/Kg		11/16/21 13:35	11/17/21 15:35	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3/AOC8-S5B-2

Lab Sample ID: 320-80943-14

Date Collected: 10/27/21 10:02

Matrix: Solid

Date Received: 10/28/21 12:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.2		2.0	1.3	mg/Kg		11/16/21 13:35	11/17/21 15:39	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S6B-2

Date Collected: 10/27/21 10:26
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-16

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.4		0.95	0.25	mg/Kg		11/16/21 13:35	11/17/21 15:51	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S6A-2

Date Collected: 10/27/21 10:30
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-18

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	54		0.95	0.25	mg/Kg		11/16/21 13:35	11/17/21 15:55	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S7A-2

Date Collected: 10/27/21 10:38
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-20

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.5		0.95	0.25	mg/Kg		11/16/21 13:35	11/17/21 15:58	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S7B-2
Date Collected: 10/27/21 10:47
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-22
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	42		0.50	0.13	mg/Kg		11/16/21 13:35	11/17/21 16:02	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3/AOC10-S8A-2

Lab Sample ID: 320-80943-24

Date Collected: 10/27/21 11:03
Matrix: Solid
Date Received: 10/28/21 12:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	43		0.50	0.13	mg/Kg		11/16/21 13:35	11/17/21 16:06	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S8D-2

Date Collected: 10/27/21 11:50
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-31

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.0		0.95	0.25	mg/Kg		11/16/21 13:35	11/17/21 16:10	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3/AOC8-S8C-2

Lab Sample ID: 320-80943-33

Date Collected: 10/27/21 12:00

Matrix: Solid

Date Received: 10/28/21 12:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.3		1.0	0.26	mg/Kg		11/16/21 13:35	11/17/21 16:14	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S7C-2

Date Collected: 10/27/21 12:01
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-35

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.1		0.95	0.25	mg/Kg		11/16/21 13:35	11/17/21 16:17	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S6C-2

Date Collected: 10/27/21 12:07
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-37

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	140		0.95	0.25	mg/Kg		11/16/21 13:35	11/17/21 16:21	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S5C-2

Date Collected: 10/27/21 12:35
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-41

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.3		0.99	0.26	mg/Kg		11/16/21 13:35	11/17/21 16:25	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S4C-2

Date Collected: 10/27/21 12:40
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-43

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.9		1.9	1.3	mg/Kg		11/16/21 13:35	11/17/21 16:36	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S3E-2
Date Collected: 10/27/21 13:52
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-55
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0		2.0	1.3	mg/Kg		11/16/21 13:35	11/17/21 16:40	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S3D-2

Date Collected: 10/27/21 13:54
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-57

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.0		1.0	0.26	mg/Kg		11/16/21 13:35	11/17/21 16:44	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S4D-2

Date Collected: 10/27/21 14:00
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-59

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	17		0.98	0.25	mg/Kg		11/16/21 13:35	11/17/21 16:48	1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 320-543191/1-A
Matrix: Solid
Analysis Batch: 543762

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 543191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.26	mg/Kg		11/16/21 13:35	11/17/21 15:05	1
Arsenic	ND		2.0	1.3	mg/Kg		11/16/21 13:35	11/17/21 15:05	1

Lab Sample ID: LCS 320-543191/2-A
Matrix: Solid
Analysis Batch: 543762

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 543191

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	25.0	23.1		mg/Kg		92	80 - 120
Arsenic	50.0	44.8		mg/Kg		90	80 - 120

Lab Sample ID: 320-80943-2 MS
Matrix: Solid
Analysis Batch: 543762

Client Sample ID: AOC3-S3B-2
Prep Type: Total/NA
Prep Batch: 543191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	49	F1	12.6	64.7	F1	mg/Kg		126	80 - 120
Arsenic	3.9		25.1	25.2		mg/Kg		85	80 - 120

Lab Sample ID: 320-80943-2 MSD
Matrix: Solid
Analysis Batch: 543762

Client Sample ID: AOC3-S3B-2
Prep Type: Total/NA
Prep Batch: 543191

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	49	F1	12.3	60.2		mg/Kg		92	80 - 120	7	35
Arsenic	3.9		24.6	25.8		mg/Kg		89	80 - 120	2	35

QC Association Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Metals

Prep Batch: 543191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-2	AOC3-S3B-2	Total/NA	Solid	3050B	
320-80943-10	AOC3-S5A-2	Total/NA	Solid	3050B	
320-80943-12	AOC3-S4B-2	Total/NA	Solid	3050B	
320-80943-14	AOC3/AOC8-S5B-2	Total/NA	Solid	3050B	
320-80943-16	AOC3-S6B-2	Total/NA	Solid	3050B	
320-80943-18	AOC3-S6A-2	Total/NA	Solid	3050B	
320-80943-20	AOC3-S7A-2	Total/NA	Solid	3050B	
320-80943-22	AOC3-S7B-2	Total/NA	Solid	3050B	
320-80943-24	AOC3/AOC10-S8A-2	Total/NA	Solid	3050B	
320-80943-31	AOC3-S8D-2	Total/NA	Solid	3050B	
320-80943-33	AOC3/AOC8-S8C-2	Total/NA	Solid	3050B	
320-80943-35	AOC3-S7C-2	Total/NA	Solid	3050B	
320-80943-37	AOC3-S6C-2	Total/NA	Solid	3050B	
320-80943-41	AOC3-S5C-2	Total/NA	Solid	3050B	
320-80943-43	AOC3-S4C-2	Total/NA	Solid	3050B	
320-80943-55	AOC3-S3E-2	Total/NA	Solid	3050B	
320-80943-57	AOC3-S3D-2	Total/NA	Solid	3050B	
320-80943-59	AOC3-S4D-2	Total/NA	Solid	3050B	
MB 320-543191/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-543191/2-A	Lab Control Sample	Total/NA	Solid	3050B	
320-80943-2 MS	AOC3-S3B-2	Total/NA	Solid	3050B	
320-80943-2 MSD	AOC3-S3B-2	Total/NA	Solid	3050B	

Analysis Batch: 543762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-80943-2	AOC3-S3B-2	Total/NA	Solid	6010B	543191
320-80943-10	AOC3-S5A-2	Total/NA	Solid	6010B	543191
320-80943-12	AOC3-S4B-2	Total/NA	Solid	6010B	543191
320-80943-14	AOC3/AOC8-S5B-2	Total/NA	Solid	6010B	543191
320-80943-16	AOC3-S6B-2	Total/NA	Solid	6010B	543191
320-80943-18	AOC3-S6A-2	Total/NA	Solid	6010B	543191
320-80943-20	AOC3-S7A-2	Total/NA	Solid	6010B	543191
320-80943-22	AOC3-S7B-2	Total/NA	Solid	6010B	543191
320-80943-24	AOC3/AOC10-S8A-2	Total/NA	Solid	6010B	543191
320-80943-31	AOC3-S8D-2	Total/NA	Solid	6010B	543191
320-80943-33	AOC3/AOC8-S8C-2	Total/NA	Solid	6010B	543191
320-80943-35	AOC3-S7C-2	Total/NA	Solid	6010B	543191
320-80943-37	AOC3-S6C-2	Total/NA	Solid	6010B	543191
320-80943-41	AOC3-S5C-2	Total/NA	Solid	6010B	543191
320-80943-43	AOC3-S4C-2	Total/NA	Solid	6010B	543191
320-80943-55	AOC3-S3E-2	Total/NA	Solid	6010B	543191
320-80943-57	AOC3-S3D-2	Total/NA	Solid	6010B	543191
320-80943-59	AOC3-S4D-2	Total/NA	Solid	6010B	543191
MB 320-543191/1-A	Method Blank	Total/NA	Solid	6010B	543191
LCS 320-543191/2-A	Lab Control Sample	Total/NA	Solid	6010B	543191
320-80943-2 MS	AOC3-S3B-2	Total/NA	Solid	6010B	543191
320-80943-2 MSD	AOC3-S3B-2	Total/NA	Solid	6010B	543191

Client Sample ID: AOC3-S3B-2
Date Collected: 10/27/21 09:00
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-2
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			2.05 g	100 mL	543191	11/16/21 13:35	JP	TAL SAC
Total/NA	Analysis	6010B		1			543762	11/17/21 15:13	GSH	TAL SAC

Client Sample ID: AOC3-S5A-2
Date Collected: 10/27/21 09:50
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	543191	11/16/21 13:35	JP	TAL SAC
Total/NA	Analysis	6010B		1			543762	11/17/21 15:32	GSH	TAL SAC

Client Sample ID: AOC3-S4B-2
Date Collected: 10/27/21 09:58
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-12
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			1.03 g	100 mL	543191	11/16/21 13:35	JP	TAL SAC
Total/NA	Analysis	6010B		1			543762	11/17/21 15:35	GSH	TAL SAC

Client Sample ID: AOC3/AOC8-S5B-2
Date Collected: 10/27/21 10:02
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-14
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			1.01 g	100 mL	543191	11/16/21 13:35	JP	TAL SAC
Total/NA	Analysis	6010B		1			543762	11/17/21 15:39	GSH	TAL SAC

Client Sample ID: AOC3-S6B-2
Date Collected: 10/27/21 10:26
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-16
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			1.05 g	100 mL	543191	11/16/21 13:35	JP	TAL SAC
Total/NA	Analysis	6010B		1			543762	11/17/21 15:51	GSH	TAL SAC

Client Sample ID: AOC3-S6A-2
Date Collected: 10/27/21 10:30
Date Received: 10/28/21 12:50

Lab Sample ID: 320-80943-18
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			1.05 g	100 mL	543191	11/16/21 13:35	JP	TAL SAC
Total/NA	Analysis	6010B		1			543762	11/17/21 15:55	GSH	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S7A-2
Lab Sample ID: 320-80943-20
Date Collected: 10/27/21 10:38
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	543191	11/16/21 13:35	JP	TAL SAC
Total/NA	Analysis	6010B		1			543762	11/17/21 15:58	GSH	TAL SAC

Client Sample ID: AOC3-S7B-2
Lab Sample ID: 320-80943-22
Date Collected: 10/27/21 10:47
Matrix: Solid
Date Received: 10/28/21 12:50

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	100 mL	543191	11/16/21 13:35	JP	TAL SAC
Total/NA	Analysis	6010B		1			543762	11/17/21 16:02	GSH	TAL SAC

Client Sample ID: AOC3/AOC10-S8A-2
Lab Sample ID: 320-80943-24
Date Collected: 10/27/21 11:03
Matrix: Solid
Date Received: 10/28/21 12:50

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	100 mL	543191	11/16/21 13:35	JP	TAL SAC
Total/NA	Analysis	6010B		1			543762	11/17/21 16:06	GSH	TAL SAC

Client Sample ID: AOC3-S8D-2
Lab Sample ID: 320-80943-31
Date Collected: 10/27/21 11:50
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	543191	11/16/21 13:35	JP	TAL SAC
Total/NA	Analysis	6010B		1			543762	11/17/21 16:10	GSH	TAL SAC

Client Sample ID: AOC3/AOC8-S8C-2
Lab Sample ID: 320-80943-33
Date Collected: 10/27/21 12:00
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.00 g	100 mL	543191	11/16/21 13:35	JP	TAL SAC
Total/NA	Analysis	6010B		1			543762	11/17/21 16:14	GSH	TAL SAC

Client Sample ID: AOC3-S7C-2
Lab Sample ID: 320-80943-35
Date Collected: 10/27/21 12:01
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	543191	11/16/21 13:35	JP	TAL SAC
Total/NA	Analysis	6010B		1			543762	11/17/21 16:17	GSH	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Client Sample ID: AOC3-S6C-2
Lab Sample ID: 320-80943-37
Date Collected: 10/27/21 12:07
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	543191	11/16/21 13:35	JP	TAL SAC
Total/NA	Analysis	6010B		1			543762	11/17/21 16:21	GSH	TAL SAC

Client Sample ID: AOC3-S5C-2
Lab Sample ID: 320-80943-41
Date Collected: 10/27/21 12:35
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.01 g	100 mL	543191	11/16/21 13:35	JP	TAL SAC
Total/NA	Analysis	6010B		1			543762	11/17/21 16:25	GSH	TAL SAC

Client Sample ID: AOC3-S4C-2
Lab Sample ID: 320-80943-43
Date Collected: 10/27/21 12:40
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.03 g	100 mL	543191	11/16/21 13:35	JP	TAL SAC
Total/NA	Analysis	6010B		1			543762	11/17/21 16:36	GSH	TAL SAC

Client Sample ID: AOC3-S3E-2
Lab Sample ID: 320-80943-55
Date Collected: 10/27/21 13:52
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.01 g	100 mL	543191	11/16/21 13:35	JP	TAL SAC
Total/NA	Analysis	6010B		1			543762	11/17/21 16:40	GSH	TAL SAC

Client Sample ID: AOC3-S3D-2
Lab Sample ID: 320-80943-57
Date Collected: 10/27/21 13:54
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.00 g	100 mL	543191	11/16/21 13:35	JP	TAL SAC
Total/NA	Analysis	6010B		1			543762	11/17/21 16:44	GSH	TAL SAC

Client Sample ID: AOC3-S4D-2
Lab Sample ID: 320-80943-59
Date Collected: 10/27/21 14:00
Matrix: Solid
Date Received: 10/28/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.02 g	100 mL	543191	11/16/21 13:35	JP	TAL SAC
Total/NA	Analysis	6010B		1			543762	11/17/21 16:48	GSH	TAL SAC

Laboratory References:
TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-22

Method Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL SAC
3050B	Preparation, Metals	SW846	TAL SAC

Protocol References:

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

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-80943-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-80943-2	AOC3-S3B-2	Solid	10/27/21 09:00	10/28/21 12:50
320-80943-10	AOC3-S5A-2	Solid	10/27/21 09:50	10/28/21 12:50
320-80943-12	AOC3-S4B-2	Solid	10/27/21 09:58	10/28/21 12:50
320-80943-14	AOC3/AOC8-S5B-2	Solid	10/27/21 10:02	10/28/21 12:50
320-80943-16	AOC3-S6B-2	Solid	10/27/21 10:26	10/28/21 12:50
320-80943-18	AOC3-S6A-2	Solid	10/27/21 10:30	10/28/21 12:50
320-80943-20	AOC3-S7A-2	Solid	10/27/21 10:38	10/28/21 12:50
320-80943-22	AOC3-S7B-2	Solid	10/27/21 10:47	10/28/21 12:50
320-80943-24	AOC3/AOC10-S8A-2	Solid	10/27/21 11:03	10/28/21 12:50
320-80943-31	AOC3-S8D-2	Solid	10/27/21 11:50	10/28/21 12:50
320-80943-33	AOC3/AOC8-S8C-2	Solid	10/27/21 12:00	10/28/21 12:50
320-80943-35	AOC3-S7C-2	Solid	10/27/21 12:01	10/28/21 12:50
320-80943-37	AOC3-S6C-2	Solid	10/27/21 12:07	10/28/21 12:50
320-80943-41	AOC3-S5C-2	Solid	10/27/21 12:35	10/28/21 12:50
320-80943-43	AOC3-S4C-2	Solid	10/27/21 12:40	10/28/21 12:50
320-80943-55	AOC3-S3E-2	Solid	10/27/21 13:52	10/28/21 12:50
320-80943-57	AOC3-S3D-2	Solid	10/27/21 13:54	10/28/21 12:50
320-80943-59	AOC3-S4D-2	Solid	10/27/21 14:00	10/28/21 12:50

Gonzales, Justinn

From: Gonzales, Justinn
Sent: Monday, November 15, 2021 3:50 PM
To: Nathan Diem
Subject: RE: Preliminary Eurofins TestAmerica report files from 320-80943-1 Cole School PEA

Got it. Sample AOC3-S3C-2 already has Lead and Arsenic reported.

Justinn Gonzales
Project Manager

Please take a minute to rate our service!

Phone: 925-484-1919
Direct: 916-374-4344

E-mail: Justinn.Gonzales@eurofinset.com
www.testamericainc.com | www.EurofinsUS.com/env

Follow us! Facebook | LinkedIn

From: Nathan Diem <ndiem@ninyoandmoore.com>
Sent: Monday, November 15, 2021 3:28 PM
To: Gonzales, Justinn <Justinn.Gonzales@Eurofinset.com>
Subject: RE: Preliminary Eurofins TestAmerica report files from 320-80943-1 Cole School PEA

EXTERNAL EMAIL*

Hi Justinn,

I need to run additional lead and arsenic for the following samples:

Lead:

AOC3-S3B-2
AOC3-S5A-2
AOC3-S4B-2
AOC3-S6B-2

AOC3-S6A-2
AOC3-S7A-2
AOC3-S7B-2
AOC3/AOC10-S8A-2
AOC3-S8D-2
AOC3/AOC8-S8C-2
AOC3-S7C-2
AOC3-S6C-2
AOC3-S5C-2
AOC3-S3C-2
AOC3/AOC8-S2D-2
AOC3-S3D-2
AOC3-S4D-2

Arsenic:

AOC3/AOC8-S5B-2
AOC3-S4C-2
AOC3-S3C-2
AOC3-S3E-2

Thanks

Nathan Diem
Project Geologist
Ninyo & Moore
510.343.3000 (**x15226**)

From: Justinn Gonzales [mailto:Justinn.Gonzales@Eurofinset.com]
Sent: Monday, November 15, 2021 1:05 PM
To: Nathan Diem <ndiem@ninyoandmoore.com>
Subject: Preliminary Eurofins TestAmerica report files from 320-80943-1 Cole School PEA

Hello,

Attached please find the report files for job 320-80943-1; Cole School PEA

Please feel free to contact me if you have any questions.

Thank you.

Justinn Gonzales
Project Manager

Eurofins TestAmerica, Sacramento
Phone: 925-484-1919

E-mail: Justinn.Gonzales@Eurofinset.com
www.eurofinsus.com/env

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-80943-3

Login Number: 80943
List Number: 1
Creator: Garcia, Hilario A

List Source: Eurofins TestAmerica, Sacramento

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

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-80943-3

Login Number: 80943
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	4.5 & 2.2
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-81042-1
Client Project/Site: Cole School PEA
Revision: 1

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Mr. Nathan Diem

Authorized for release by:
12/15/2021 10:09:43 AM

Justinn Gonzales, Project Manager I
(925)484-1919
Justinn.Gonzales@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
P	The %RPD between the primary and confirmation column/detector is >40%. The higher value has been reported
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job ID: 320-81042-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-81042-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 12/1/2021. The report (revision 1) is being revised due to: Report samples to MDL per client request.

Receipt
The samples were received on 10/29/2021 2:21 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 0.8º C, 1.0º C and 1.8º C.

GC Semi VOA
Method 8082: Surrogate recovery for the following samples were outside control limits: AOC3-S5E-0.5 (320-81042-5), AOC3/AOC8-S6E-0.5 (320-81042-7), AOC3-S7E-0.5 (320-81042-15), (320-81042-A-15-D MS), (320-81042-A-15-E MSD), AOC3-S2H-0.5 (320-81042-35), AOC3-S2F-0.5 (320-81042-37), AOC3-S2F-0.5 DUP (320-81042-39), AOC3-S1F-0.5 (320-81042-40), AOC3-S1G-0.5 (320-81042-42), AOC3-S1H-0.5 (320-81042-44), AOC3-S5H-0.5 (320-81042-46), AOC3-S4H-0.5 (320-81042-48), AOC3-S3H-0.5 (320-81042-50), AOC3-S4I-0.5 (320-81042-52) and AOC3-S5I-0.5 (320-81042-54). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8082: The following samples were diluted due to the nature of the sample matrix: AOC3-S6G-0.5 (320-81042-18), AOC3-S5F-0.5 (320-81042-20), AOC3-S4F-0.5 (320-81042-22), AOC3-S3F-0.5 (320-81042-24), AOC3/AOC8-S3G-0.5 (320-81042-26), AOC3-S4G-0.5 (320-81042-28) and AOC3-S5G-0.5 (320-81042-30). Elevated reporting limits (RLs) are provided.

Method 8082: The continuing calibration verification (CCV) associated with batch 320-544372 recovered above the upper control limit for PCB-1221 and PCB-1254. The samples associated with this CCV were non-detect for all PCB mixtures; therefore, the data have been reported. The associated samples are impacted: AOC3-S6G-0.5 (320-81042-18), AOC3-S5F-0.5 (320-81042-20), AOC3-S4F-0.5 (320-81042-22), AOC3-S3F-0.5 (320-81042-24), AOC3/AOC8-S3G-0.5 (320-81042-26), AOC3-S4G-0.5 (320-81042-28), AOC3-S5G-0.5 (320-81042-30), AOC3-S2G-0.5 (320-81042-33), AOC3-S2H-0.5 (320-81042-35), AOC3-S2F-0.5 (320-81042-37), AOC3-S2F-0.5 DUP (320-81042-39), AOC3-S1F-0.5 (320-81042-40), AOC3-S1G-0.5 (320-81042-42), AOC3-S1H-0.5 (320-81042-44), AOC3-S5H-0.5 (320-81042-46), AOC3-S4H-0.5 (320-81042-48), AOC3-S3H-0.5 (320-81042-50), (CCV 320-544372/4), (LCS 320-541215/2-A), (LCS 320-541228/2-A), (MB 320-541215/1-A) and (MB 320-541228/1-A).

Method 8081A: The following samples were diluted due to the nature of the sample matrix: AOC3-S6D-0.5 (320-81042-1), AOC3-S5D--0.5 (320-81042-3), AOC3-S5E-0.5 (320-81042-5), AOC3/AOC8-S6E-0.5 (320-81042-7), AOC3-S8E-0.5 (320-81042-9), AOC3-S9E-0.5 (320-81042-12), AOC3-S9E-0.5 DUP (320-81042-13), AOC3-S7E-0.5 (320-81042-15), AOC3-S6F-0.5 (320-81042-16), AOC3-S6G-0.5 (320-81042-18), AOC3-S6G-2 (320-81042-19), AOC3-S5F-0.5 (320-81042-20), AOC3-S4F-0.5 (320-81042-22), AOC3-S4F-2 (320-81042-23), AOC3-S3F-0.5 (320-81042-24), AOC3/AOC8-S3G-0.5 (320-81042-26), AOC3-S4G-0.5 (320-81042-28), AOC3-S5G-0.5 (320-81042-30), AOC3-S2G-0.5 (320-81042-33), AOC3-S2H-0.5 (320-81042-35), AOC3-S2H-2 (320-81042-36), (320-81042-A-36-B MS), (320-81042-A-36-C MSD), AOC3-S2F-0.5 (320-81042-37), AOC3-S2F-0.5 DUP (320-81042-39), AOC3-S1F-0.5 (320-81042-40), AOC3-S1G-0.5 (320-81042-42), AOC3-S1H-0.5 (320-81042-44), AOC3-S5H-0.5 (320-81042-46), AOC3-S4H-0.5 (320-81042-48), AOC3-S3H-0.5 (320-81042-50), AOC3-S4I-0.5 (320-81042-52) and AOC3-S5I-0.5 (320-81042-54). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: AOC3-S6D-2 (320-81042-2), AOC3-S5D-2 (320-81042-4), AOC3-S5E-2 (320-81042-6), AOC3-S8E-2 (320-81042-10), AOC3-S6F-2 (320-81042-17), AOC3-S5F-2 (320-81042-21), AOC3-S3F-2 (320-81042-25), AOC3/AOC8-S3G-2 (320-81042-27), AOC3-S4G-2 (320-81042-29), AOC3-S5G-2 (320-81042-31), AOC3-S5G-2 DUP (320-81042-32), AOC3-S2G-2 (320-81042-34), AOC3-S4I-2 (320-81042-53) and AOC3-S5I-2 (320-81042-55). Elevated reporting limits (RLs) are provided.

Method 8081A: Surrogate recovery for the following samples were outside control limits: AOC3-S5E-2 (320-81042-6), AOC3/AOC8-S6E-2 (320-81042-8), AOC3-S8E-2 (320-81042-10), AOC3-S7E-2 (320-81042-11), AOC3-S9E-2 (320-81042-14), AOC3-S6F-2 (320-81042-17), AOC3/AOC8-S3G-2 (320-81042-27), AOC3-S2F-2 (320-81042-38), AOC3-S1F-2 (320-81042-41), AOC3-S1G-2 (320-81042-43),

Job ID: 320-81042-1 (Continued)

Laboratory: Eurofins TestAmerica, Sacramento (Continued)

AOC3-S1H-2 (320-81042-45) and AOC3-S5I-2 (320-81042-55). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: (320-81042-A-16-C MS), (320-81042-A-16-D MSD), (320-81042-A-18-C MS), (320-81042-A-18-D MSD), (320-81042-A-36-B MS), (320-81042-A-36-C MSD), (320-81042-A-54-C MS) and (320-81042-A-54-D MSD). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8081A: The %RPD between the primary and confirmation column exceeded 40% for Endrin ketone for the following samples: (320-81042-A-16-D MSD) and (320-81042-A-54-D MSD). The results from primary column have been reported and qualified in accordance with the laboratory's SOP.

Method 8081A: The %RPD between the primary and confirmation column exceeded 40% for Endosulfan I, Endosulfan II, Endrin ketone, Dieldrin, cis-Chlordane, Aldrin, Endrin and 4,4'-DDT for the following samples: (320-81042-A-18-C MS), (320-81042-A-18-D MSD) and (320-81042-A-36-B MS). The results from primary column have been reported and qualified in accordance with the laboratory's SOP. 320-81042-18[MS] for Endosulfan I, Endosulfan II and Endrin ketone Dieldrin. 320-81042-18[MSD] for Endosulfan I, Endosulfan II, Endrin ketone, Dieldrin, cis-Chlordane, Aldrin, Endrin, and 4,4'-DDT. 320-81042-36[MS] for Endosulfan I.

Method 8081A: The method blank for preparation batch 320-541292 and analytical batch 320-546025 contained Heptachlor above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

Metals

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 320-539068 and analytical batch 320-539464 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 320-539068 and analytical batch 320-539835 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: The serial dilution performed for the following samples associated with batch 320-539464 was above the control limits of 10% for the following analytes: Barium (13%). The associated sample is: (320-81042-A-1-A SD ^5).

Method 6010B: The serial dilution performed for the following samples associated with batch 320-539835 was above the control limits of 10% for the following analytes: Zinc (11%). The associated sample is: (320-81042-A-1-A SD ^5)

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

Organic Prep

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with method 8081A aqueous in preparation batch 320-539998.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with method 8082 aqueous in preparation batch 320-539996.

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

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S6D-0.5 — Lab Sample ID: 320-81042-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Silver	0.12	J	0.52	0.093	mg/Kg	1		6010B	Total/NA
Arsenic	4.6		2.1	1.3	mg/Kg	1		6010B	Total/NA
Barium	110	F1	1.0	0.12	mg/Kg	1		6010B	Total/NA
Beryllium	0.40		0.21	0.031	mg/Kg	1		6010B	Total/NA
Cadmium	0.19	J	0.21	0.031	mg/Kg	1		6010B	Total/NA
Cobalt	5.5		0.52	0.26	mg/Kg	1		6010B	Total/NA
Chromium	21		0.52	0.14	mg/Kg	1		6010B	Total/NA
Copper	36	F1	1.5	0.23	mg/Kg	1		6010B	Total/NA
Nickel	20		1.0	0.25	mg/Kg	1		6010B	Total/NA
Lead	110	B	1.0	0.27	mg/Kg	1		6010B	Total/NA
Antimony	8.0	F1	2.1	0.97	mg/Kg	1		6010B	Total/NA
Vanadium	23	F1	0.52	0.20	mg/Kg	1		6010B	Total/NA
Zinc	110	F1	2.1	0.20	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S6D-2 — Lab Sample ID: 320-81042-2

No Detections.

Client Sample ID: AOC3-S5D--0.5 — Lab Sample ID: 320-81042-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	150	B	0.96	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	11		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S5D-2 — Lab Sample ID: 320-81042-4

No Detections.

Client Sample ID: AOC3-S5E-0.5 — Lab Sample ID: 320-81042-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.1		2.0	1.3	mg/Kg	1		6010B	Total/NA
Barium	99		1.0	0.12	mg/Kg	1		6010B	Total/NA
Beryllium	0.36		0.20	0.030	mg/Kg	1		6010B	Total/NA
Cadmium	0.34		0.20	0.030	mg/Kg	1		6010B	Total/NA
Cobalt	5.5		0.50	0.25	mg/Kg	1		6010B	Total/NA
Chromium	19		0.50	0.14	mg/Kg	1		6010B	Total/NA
Copper	19		1.5	0.22	mg/Kg	1		6010B	Total/NA
Nickel	17		1.0	0.24	mg/Kg	1		6010B	Total/NA
Lead	260	B	1.0	0.26	mg/Kg	1		6010B	Total/NA
Antimony	6.4		2.0	0.94	mg/Kg	1		6010B	Total/NA
Vanadium	21		0.50	0.19	mg/Kg	1		6010B	Total/NA
Zinc	130		2.0	0.19	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S5E-2 — Lab Sample ID: 320-81042-6

No Detections.

Client Sample ID: AOC3/AOC8-S6E-0.5 — Lab Sample ID: 320-81042-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	690	B	1.0	0.27	mg/Kg	1		6010B	Total/NA
Arsenic	6.1		2.0	1.3	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3/AOC8-S6E-2 — Lab Sample ID: 320-81042-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methoxychlor	7.9		3.3	0.55	ug/Kg	1		8081A	Total/NA

Client Sample ID: AOC3-S8E-0.5 — Lab Sample ID: 320-81042-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	220	B	1.0	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	12		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S8E-2 — Lab Sample ID: 320-81042-10

No Detections.

Client Sample ID: AOC3-S7E-2 — Lab Sample ID: 320-81042-11

No Detections.

Client Sample ID: AOC3-S9E-0.5 — Lab Sample ID: 320-81042-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	130	B	0.99	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	7.4		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S9E-0.5 DUP — Lab Sample ID: 320-81042-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	49	B	0.96	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	2.8		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S9E-2 — Lab Sample ID: 320-81042-14

No Detections.

Client Sample ID: AOC3-S7E-0.5 — Lab Sample ID: 320-81042-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	120	B	1.0	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	3.2		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S6F-0.5 — Lab Sample ID: 320-81042-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	170	B	1.0	0.27	mg/Kg	1		6010B	Total/NA
Arsenic	4.0		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S6F-2 — Lab Sample ID: 320-81042-17

No Detections.

Client Sample ID: AOC3-S6G-0.5 — Lab Sample ID: 320-81042-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Silver	0.12	J	0.50	0.090	mg/Kg	1		6010B	Total/NA
Arsenic	3.9		2.0	1.3	mg/Kg	1		6010B	Total/NA
Barium	130		1.0	0.12	mg/Kg	1		6010B	Total/NA
Beryllium	0.46		0.20	0.030	mg/Kg	1		6010B	Total/NA
Cadmium	0.45		0.20	0.030	mg/Kg	1		6010B	Total/NA
Cobalt	4.6		0.50	0.25	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: AOC3-S6G-0.5 (Continued) — Lab Sample ID: 320-81042-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	27		0.50	0.14	mg/Kg	1		6010B	Total/NA
Copper	31		1.5	0.22	mg/Kg	1		6010B	Total/NA
Nickel	18		1.0	0.24	mg/Kg	1		6010B	Total/NA
Lead	200	B	1.0	0.26	mg/Kg	1		6010B	Total/NA
Antimony	8.7		2.0	0.94	mg/Kg	1		6010B	Total/NA
Vanadium	24		0.50	0.19	mg/Kg	1		6010B	Total/NA
Zinc	260		2.0	0.19	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S6G-2 — Lab Sample ID: 320-81042-19

No Detections.

Client Sample ID: AOC3-S5F-0.5 — Lab Sample ID: 320-81042-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	200	B	0.97	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	3.9		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S5F-2 — Lab Sample ID: 320-81042-21

No Detections.

Client Sample ID: AOC3-S4F-0.5 — Lab Sample ID: 320-81042-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	96	B	0.98	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	4.1		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S4F-2 — Lab Sample ID: 320-81042-23

No Detections.

Client Sample ID: AOC3-S3F-0.5 — Lab Sample ID: 320-81042-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	180	B	0.98	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	6.4		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S3F-2 — Lab Sample ID: 320-81042-25

No Detections.

Client Sample ID: AOC3/AOC8-S3G-0.5 — Lab Sample ID: 320-81042-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	88	B	1.0	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	14		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3/AOC8-S3G-2 — Lab Sample ID: 320-81042-27

No Detections.

Client Sample ID: AOC3-S4G-0.5 — Lab Sample ID: 320-81042-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	130	B	1.0	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	4.5		2.0	1.3	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S4G-2 — Lab Sample ID: 320-81042-29

No Detections.

Client Sample ID: AOC3-S5G-0.5 — Lab Sample ID: 320-81042-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	17	B	0.99	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	45		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S5G-2 — Lab Sample ID: 320-81042-31

No Detections.

Client Sample ID: AOC3-S5G-2 DUP — Lab Sample ID: 320-81042-32

No Detections.

Client Sample ID: AOC3-S2G-0.5 — Lab Sample ID: 320-81042-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	13	B	1.0	0.27	mg/Kg	1		6010B	Total/NA
Arsenic	16		2.1	1.4	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S2G-2 — Lab Sample ID: 320-81042-34

No Detections.

Client Sample ID: AOC3-S2H-0.5 — Lab Sample ID: 320-81042-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	71	B	1.0	0.27	mg/Kg	1		6010B	Total/NA
Arsenic	10		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S2H-2 — Lab Sample ID: 320-81042-36

No Detections.

Client Sample ID: AOC3-S2F-0.5 — Lab Sample ID: 320-81042-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.9		1.2	0.76	mg/Kg	1		6010B	Total/NA
Barium	84		0.58	0.070	mg/Kg	1		6010B	Total/NA
Beryllium	0.29		0.12	0.018	mg/Kg	1		6010B	Total/NA
Cadmium	0.11	J	0.12	0.018	mg/Kg	1		6010B	Total/NA
Cobalt	6.6		0.29	0.15	mg/Kg	1		6010B	Total/NA
Chromium	8.8		0.29	0.082	mg/Kg	1		6010B	Total/NA
Copper	13		0.88	0.13	mg/Kg	1		6010B	Total/NA
Molybdenum	0.86	J	1.2	0.44	mg/Kg	1		6010B	Total/NA
Nickel	14		0.58	0.14	mg/Kg	1		6010B	Total/NA
Lead	5.9	B	0.58	0.15	mg/Kg	1		6010B	Total/NA
Antimony	2.1		1.2	0.55	mg/Kg	1		6010B	Total/NA
Vanadium	23		0.29	0.11	mg/Kg	1		6010B	Total/NA
Zinc	58		1.2	0.11	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S2F-2 — Lab Sample ID: 320-81042-38

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S2F-0.5 DUP — Lab Sample ID: 320-81042-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13		1.9	1.2	mg/Kg	1		6010B	Total/NA
Barium	140		0.94	0.11	mg/Kg	1		6010B	Total/NA
Beryllium	0.46		0.19	0.028	mg/Kg	1		6010B	Total/NA
Cadmium	0.20		0.19	0.028	mg/Kg	1		6010B	Total/NA
Cobalt	11		0.47	0.24	mg/Kg	1		6010B	Total/NA
Chromium	12		0.47	0.13	mg/Kg	1		6010B	Total/NA
Copper	29		1.4	0.21	mg/Kg	1		6010B	Total/NA
Molybdenum	1.2	J	1.9	0.71	mg/Kg	1		6010B	Total/NA
Nickel	19		0.94	0.23	mg/Kg	1		6010B	Total/NA
Lead	12	B	0.94	0.25	mg/Kg	1		6010B	Total/NA
Antimony	1.8	J	1.9	0.89	mg/Kg	1		6010B	Total/NA
Vanadium	33		0.47	0.18	mg/Kg	1		6010B	Total/NA
Zinc	96		1.9	0.18	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S1F-0.5 — Lab Sample ID: 320-81042-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	7.2		0.97	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	4.4		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S1F-2 — Lab Sample ID: 320-81042-41

No Detections.

Client Sample ID: AOC3-S1G-0.5 — Lab Sample ID: 320-81042-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	13		0.98	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	3.2		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S1G-2 — Lab Sample ID: 320-81042-43

No Detections.

Client Sample ID: AOC3-S1H-0.5 — Lab Sample ID: 320-81042-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	79		0.97	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	8.4		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S1H-2 — Lab Sample ID: 320-81042-45

No Detections.

Client Sample ID: AOC3-S5H-0.5 — Lab Sample ID: 320-81042-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	670		0.97	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	9.1		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S5H-2 — Lab Sample ID: 320-81042-47

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S4H-0.5 — Lab Sample ID: 320-81042-48

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	94		0.95	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	2.7		1.9	1.2	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S4H-2 — Lab Sample ID: 320-81042-49

No Detections.

Client Sample ID: AOC3-S3H-0.5 — Lab Sample ID: 320-81042-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	150		0.99	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	9.7		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S3H-2 — Lab Sample ID: 320-81042-51

No Detections.

Client Sample ID: AOC3-S4I-0.5 — Lab Sample ID: 320-81042-52

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	16		0.98	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	9.0		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S4I-2 — Lab Sample ID: 320-81042-53

No Detections.

Client Sample ID: AOC3-S5I-0.5 — Lab Sample ID: 320-81042-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	80		0.98	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	4.3		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S5I-2 — Lab Sample ID: 320-81042-55

No Detections.

Client Sample ID: EB10282021 — Lab Sample ID: 320-81042-56

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S6D-0.5

Date Collected: 10/28/21 08:27
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-1

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		34	4.6	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
4,4'-DDE	ND		34	4.2	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
4,4'-DDT	ND		34	5.0	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
Aldrin	ND		34	2.8	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
alpha-BHC	ND		34	3.2	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
cis-Chlordane	ND		34	3.6	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
beta-BHC	ND		34	4.4	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
Chlordane (technical)	ND		400	190	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
delta-BHC	ND		34	6.9	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
Dieldrin	ND		34	4.0	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
Endosulfan I	ND		34	3.6	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
Endosulfan II	ND		34	3.6	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
Endosulfan sulfate	ND		34	6.9	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
Endrin	ND		34	4.0	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
Endrin aldehyde	ND		34	11	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
Endrin ketone	ND		34	5.4	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
trans-Chlordane	ND		34	12	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
gamma-BHC (Lindane)	ND		34	2.8	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
Heptachlor	ND		34	3.0	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
Heptachlor epoxide	ND		34	3.6	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
Methoxychlor	ND		68	11	ug/Kg		11/08/21 15:14	11/24/21 17:11	20
Toxaphene	ND		1300	440	ug/Kg		11/08/21 15:14	11/24/21 17:11	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*46 - 109*	*11/08/21 15:14*	*11/24/21 17:11*	*20*
DCB Decachlorobiphenyl	*50*		*46 - 109*	*11/08/21 15:14*	*11/24/21 17:11*	*20*
Tetrachloro-m-xylene	*113*	*S1+*	*47 - 107*	*11/08/21 15:14*	*11/24/21 17:11*	*20*
Tetrachloro-m-xylene	*68*		*47 - 107*	*11/08/21 15:14*	*11/24/21 17:11*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/08/21 15:15	11/18/21 21:50	1
PCB-1221	ND		33	3.6	ug/Kg		11/08/21 15:15	11/18/21 21:50	1
PCB-1232	ND		33	4.8	ug/Kg		11/08/21 15:15	11/18/21 21:50	1
PCB-1242	ND		33	5.9	ug/Kg		11/08/21 15:15	11/18/21 21:50	1
PCB-1248	ND		33	2.4	ug/Kg		11/08/21 15:15	11/18/21 21:50	1
PCB-1254	ND		33	3.8	ug/Kg		11/08/21 15:15	11/18/21 21:50	1
PCB-1260	ND		33	2.7	ug/Kg		11/08/21 15:15	11/18/21 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*52 - 138*	*11/08/21 15:15*	*11/18/21 21:50*	*1*
Tetrachloro-m-xylene	*68*		*56 - 114*	*11/08/21 15:15*	*11/18/21 21:50*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.12**	**J**	0.52	0.093	mg/Kg		11/02/21 06:55	11/02/21 18:43	1
Arsenic	**4.6**		2.1	1.3	mg/Kg		11/02/21 06:55	11/02/21 18:43	1
Barium	**110**	**F1**	1.0	0.12	mg/Kg		11/02/21 06:55	11/02/21 18:43	1
Beryllium	**0.40**		0.21	0.031	mg/Kg		11/02/21 06:55	11/02/21 18:43	1
Cadmium	**0.19**	**J**	0.21	0.031	mg/Kg		11/02/21 06:55	11/02/21 18:43	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S6D-0.5

Date Collected: 10/28/21 08:27
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	5.5		0.52	0.26	mg/Kg		11/02/21 06:55	11/02/21 18:43	1
Chromium	21		0.52	0.14	mg/Kg		11/02/21 06:55	11/02/21 18:43	1
Copper	36	F1	1.5	0.23	mg/Kg		11/02/21 06:55	11/02/21 18:43	1
Molybdenum	ND		2.1	0.77	mg/Kg		11/02/21 06:55	11/02/21 18:43	1
Nickel	20		1.0	0.25	mg/Kg		11/02/21 06:55	11/02/21 18:43	1
Lead	110	B	1.0	0.27	mg/Kg		11/02/21 06:55	11/02/21 18:43	1
Selenium	ND		2.1	1.4	mg/Kg		11/02/21 06:55	11/02/21 18:43	1
Antimony	8.0	F1	2.1	0.97	mg/Kg		11/02/21 06:55	11/02/21 18:43	1
Thallium	ND		2.1	0.87	mg/Kg		11/02/21 06:55	11/02/21 18:43	1
Vanadium	23	F1	0.52	0.20	mg/Kg		11/02/21 06:55	11/02/21 18:43	1
Zinc	110	F1	2.1	0.20	mg/Kg		11/02/21 06:55	11/03/21 16:47	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.079	0.013	mg/Kg		11/12/21 05:53	11/12/21 11:37	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S6D-2
Date Collected: 10/28/21 08:28
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-2
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.3	1.1	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
4,4'-DDE	ND		8.3	1.0	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
4,4'-DDT	ND		8.3	1.2	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
Aldrin	ND		8.3	0.68	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
alpha-BHC	ND		8.3	0.78	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
cis-Chlordane	ND		8.3	0.88	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
beta-BHC	ND		8.3	1.1	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
Chlordane (technical)	ND		98	46	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
delta-BHC	ND		8.3	1.7	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
Dieldrin	ND		8.3	0.98	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
Endosulfan I	ND		8.3	0.88	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
Endosulfan II	ND		8.3	0.88	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
Endosulfan sulfate	ND		8.3	1.7	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
Endrin	ND		8.3	0.98	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
Endrin aldehyde	ND		8.3	2.8	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
Endrin ketone	ND		8.3	1.3	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
trans-Chlordane	ND		8.3	2.9	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
gamma-BHC (Lindane)	ND		8.3	0.68	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
Heptachlor	ND		8.3	0.73	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
Heptachlor epoxide	ND		8.3	0.88	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
Methoxychlor	ND		17	2.7	ug/Kg		11/08/21 15:14	11/24/21 17:30	5
Toxaphene	ND		330	110	ug/Kg		11/08/21 15:14	11/24/21 17:30	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*46 - 109*	*11/08/21 15:14*	*11/24/21 17:30*	*5*
DCB Decachlorobiphenyl	*53*		*46 - 109*	*11/08/21 15:14*	*11/24/21 17:30*	*5*
Tetrachloro-m-xylene	*80*		*47 - 107*	*11/08/21 15:14*	*11/24/21 17:30*	*5*
Tetrachloro-m-xylene	*72*		*47 - 107*	*11/08/21 15:14*	*11/24/21 17:30*	*5*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S5D--0.5

Date Collected: 10/28/21 08:27
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-3

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	4.5	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
4,4'-DDE	ND		33	4.1	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
4,4'-DDT	ND		33	4.9	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
Aldrin	ND		33	2.7	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
alpha-BHC	ND		33	3.1	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
cis-Chlordane	ND		33	3.5	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
beta-BHC	ND		33	4.3	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
Chlordane (technical)	ND		390	180	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
delta-BHC	ND		33	6.9	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
Dieldrin	ND		33	3.9	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
Endosulfan I	ND		33	3.5	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
Endosulfan II	ND		33	3.5	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
Endosulfan sulfate	ND		33	6.9	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
Endrin	ND		33	3.9	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
Endrin aldehyde	ND		33	11	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
Endrin ketone	ND		33	5.3	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
trans-Chlordane	ND		33	12	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
gamma-BHC (Lindane)	ND		33	2.7	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
Heptachlor	ND		33	2.9	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
Heptachlor epoxide	ND		33	3.5	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
Methoxychlor	ND		67	11	ug/Kg		11/08/21 15:14	11/24/21 17:49	20
Toxaphene	ND		1300	440	ug/Kg		11/08/21 15:14	11/24/21 17:49	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*46 - 109*	*11/08/21 15:14*	*11/24/21 17:49*	*20*
DCB Decachlorobiphenyl	*55*		*46 - 109*	*11/08/21 15:14*	*11/24/21 17:49*	*20*
Tetrachloro-m-xylene	*115*	*S1+*	*47 - 107*	*11/08/21 15:14*	*11/24/21 17:49*	*20*
Tetrachloro-m-xylene	*73*		*47 - 107*	*11/08/21 15:14*	*11/24/21 17:49*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/08/21 15:15	11/18/21 22:10	1
PCB-1221	ND		32	3.5	ug/Kg		11/08/21 15:15	11/18/21 22:10	1
PCB-1232	ND		32	4.7	ug/Kg		11/08/21 15:15	11/18/21 22:10	1
PCB-1242	ND		32	5.8	ug/Kg		11/08/21 15:15	11/18/21 22:10	1
PCB-1248	ND		32	2.4	ug/Kg		11/08/21 15:15	11/18/21 22:10	1
PCB-1254	ND		32	3.7	ug/Kg		11/08/21 15:15	11/18/21 22:10	1
PCB-1260	ND		32	2.6	ug/Kg		11/08/21 15:15	11/18/21 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*52 - 138*	*11/08/21 15:15*	*11/18/21 22:10*	*1*
Tetrachloro-m-xylene	*75*		*56 - 114*	*11/08/21 15:15*	*11/18/21 22:10*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**150**	**B**	0.96	0.25	mg/Kg		11/02/21 06:55	11/02/21 19:09	1
Arsenic	**11**		1.9	1.3	mg/Kg		11/02/21 06:55	11/02/21 19:09	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S5D-2
Date Collected: 10/28/21 08:29
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-4
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.0	1.1	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
4,4'-DDE	ND		8.0	0.99	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
4,4'-DDT	ND		8.0	1.2	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
Aldrin	ND		8.0	0.66	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
alpha-BHC	ND		8.0	0.75	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
cis-Chlordane	ND		8.0	0.85	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
beta-BHC	ND		8.0	1.0	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
Chlordane (technical)	ND		94	44	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
delta-BHC	ND		8.0	1.6	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
Dieldrin	ND		8.0	0.94	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
Endosulfan I	ND		8.0	0.85	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
Endosulfan II	ND		8.0	0.85	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
Endosulfan sulfate	ND		8.0	1.6	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
Endrin	ND		8.0	0.94	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
Endrin aldehyde	ND		8.0	2.7	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
Endrin ketone	ND		8.0	1.3	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
trans-Chlordane	ND		8.0	2.8	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
gamma-BHC (Lindane)	ND		8.0	0.66	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
Heptachlor	ND		8.0	0.71	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
Heptachlor epoxide	ND		8.0	0.85	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
Methoxychlor	ND		16	2.6	ug/Kg		11/08/21 15:14	11/24/21 18:08	5
Toxaphene	ND		320	110	ug/Kg		11/08/21 15:14	11/24/21 18:08	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*50*		*46 - 109*	*11/08/21 15:14*	*11/24/21 18:08*	*5*
DCB Decachlorobiphenyl	*55*		*46 - 109*	*11/08/21 15:14*	*11/24/21 18:08*	*5*
Tetrachloro-m-xylene	*78*		*47 - 107*	*11/08/21 15:14*	*11/24/21 18:08*	*5*
Tetrachloro-m-xylene	*62*		*47 - 107*	*11/08/21 15:14*	*11/24/21 18:08*	*5*

Client Sample ID: AOC3-S5E-0.5

Date Collected: 10/28/21 08:34
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-5

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		34	4.5	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
4,4'-DDE	ND		34	4.1	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
4,4'-DDT	ND		34	4.9	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
Aldrin	ND		34	2.8	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
alpha-BHC	ND		34	3.2	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
cis-Chlordane	ND		34	3.6	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
beta-BHC	ND		34	4.3	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
Chlordane (technical)	ND		390	190	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
delta-BHC	ND		34	6.9	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
Dieldrin	ND		34	3.9	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
Endosulfan I	ND		34	3.6	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
Endosulfan II	ND		34	3.6	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
Endosulfan sulfate	ND		34	6.9	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
Endrin	ND		34	3.9	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
Endrin aldehyde	ND		34	11	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
Endrin ketone	ND		34	5.3	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
trans-Chlordane	ND		34	12	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
gamma-BHC (Lindane)	ND		34	2.8	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
Heptachlor	ND		34	3.0	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
Heptachlor epoxide	ND		34	3.6	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
Methoxychlor	ND		67	11	ug/Kg		11/08/21 15:14	11/24/21 18:27	20
Toxaphene	ND		1300	440	ug/Kg		11/08/21 15:14	11/24/21 18:27	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*46 - 109*	*11/08/21 15:14*	*11/24/21 18:27*	*20*
DCB Decachlorobiphenyl	*49*		*46 - 109*	*11/08/21 15:14*	*11/24/21 18:27*	*20*
Tetrachloro-m-xylene	*97*		*47 - 107*	*11/08/21 15:14*	*11/24/21 18:27*	*20*
Tetrachloro-m-xylene	*57*		*47 - 107*	*11/08/21 15:14*	*11/24/21 18:27*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/08/21 15:15	11/18/21 22:31	1
PCB-1221	ND		33	3.6	ug/Kg		11/08/21 15:15	11/18/21 22:31	1
PCB-1232	ND		33	4.7	ug/Kg		11/08/21 15:15	11/18/21 22:31	1
PCB-1242	ND		33	5.8	ug/Kg		11/08/21 15:15	11/18/21 22:31	1
PCB-1248	ND		33	2.4	ug/Kg		11/08/21 15:15	11/18/21 22:31	1
PCB-1254	ND		33	3.8	ug/Kg		11/08/21 15:15	11/18/21 22:31	1
PCB-1260	ND		33	2.7	ug/Kg		11/08/21 15:15	11/18/21 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*	*S1-*	*52 - 138*	*11/08/21 15:15*	*11/18/21 22:31*	*1*
Tetrachloro-m-xylene	*63*		*56 - 114*	*11/08/21 15:15*	*11/18/21 22:31*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.090	mg/Kg		11/02/21 06:55	11/02/21 19:13	1
Arsenic	**7.1**		2.0	1.3	mg/Kg		11/02/21 06:55	11/02/21 19:13	1
Barium	**99**		1.0	0.12	mg/Kg		11/02/21 06:55	11/02/21 19:13	1
Beryllium	**0.36**		0.20	0.030	mg/Kg		11/02/21 06:55	11/02/21 19:13	1
Cadmium	**0.34**		0.20	0.030	mg/Kg		11/02/21 06:55	11/02/21 19:13	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S5E-0.5
Date Collected: 10/28/21 08:34
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	5.5		0.50	0.25	mg/Kg		11/02/21 06:55	11/02/21 19:13	1
Chromium	19		0.50	0.14	mg/Kg		11/02/21 06:55	11/02/21 19:13	1
Copper	19		1.5	0.22	mg/Kg		11/02/21 06:55	11/02/21 19:13	1
Molybdenum	ND		2.0	0.75	mg/Kg		11/02/21 06:55	11/02/21 19:13	1
Nickel	17		1.0	0.24	mg/Kg		11/02/21 06:55	11/02/21 19:13	1
Lead	260	B	1.0	0.26	mg/Kg		11/02/21 06:55	11/02/21 19:13	1
Selenium	ND		2.0	1.4	mg/Kg		11/02/21 06:55	11/02/21 19:13	1
Antimony	6.4		2.0	0.94	mg/Kg		11/02/21 06:55	11/02/21 19:13	1
Thallium	ND		2.0	0.84	mg/Kg		11/02/21 06:55	11/02/21 19:13	1
Vanadium	21		0.50	0.19	mg/Kg		11/02/21 06:55	11/02/21 19:13	1
Zinc	130		2.0	0.19	mg/Kg		11/02/21 06:55	11/03/21 17:06	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.085	0.014	mg/Kg		11/12/21 05:53	11/12/21 11:39	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S5E-2
Date Collected: 10/28/21 08:35
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-6
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.2	0.43	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
4,4'-DDE	ND		3.2	0.39	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
4,4'-DDT	ND		3.2	0.47	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
Aldrin	ND		3.2	0.26	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
alpha-BHC	ND		3.2	0.30	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
cis-Chlordane	ND		3.2	0.34	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
beta-BHC	ND		3.2	0.41	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
Chlordane (technical)	ND		38	18	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
delta-BHC	ND		3.2	0.66	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
Dieldrin	ND		3.2	0.38	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
Endosulfan I	ND		3.2	0.34	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
Endosulfan II	ND		3.2	0.34	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
Endosulfan sulfate	ND		3.2	0.66	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
Endrin	ND		3.2	0.38	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
Endrin aldehyde	ND		3.2	1.1	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
Endrin ketone	ND		3.2	0.51	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
trans-Chlordane	ND		3.2	1.1	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
gamma-BHC (Lindane)	ND		3.2	0.26	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
Heptachlor	ND		3.2	0.28	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
Heptachlor epoxide	ND		3.2	0.34	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
Methoxychlor	ND		6.4	1.1	ug/Kg		11/08/21 15:14	11/24/21 18:46	2
Toxaphene	ND		130	42	ug/Kg		11/08/21 15:14	11/24/21 18:46	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*50*		*46 - 109*	*11/08/21 15:14*	*11/24/21 18:46*	*2*
DCB Decachlorobiphenyl	*42*	*S1-*	*46 - 109*	*11/08/21 15:14*	*11/24/21 18:46*	*2*
Tetrachloro-m-xylene	*70*		*47 - 107*	*11/08/21 15:14*	*11/24/21 18:46*	*2*
Tetrachloro-m-xylene	*68*		*47 - 107*	*11/08/21 15:14*	*11/24/21 18:46*	*2*

Client Sample ID: AOC3/AOC8-S6E-0.5

Date Collected: 10/28/21 08:41
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-7

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	4.4	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
4,4'-DDE	ND		33	4.0	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
4,4'-DDT	ND		33	4.8	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
Aldrin	ND		33	2.7	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
alpha-BHC	ND		33	3.1	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
cis-Chlordane	ND		33	3.5	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
beta-BHC	ND		33	4.2	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
Chlordane (technical)	ND		390	180	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
delta-BHC	ND		33	6.7	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
Dieldrin	ND		33	3.9	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
Endosulfan I	ND		33	3.5	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
Endosulfan II	ND		33	3.5	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
Endosulfan sulfate	ND		33	6.7	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
Endrin	ND		33	3.9	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
Endrin aldehyde	ND		33	11	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
Endrin ketone	ND		33	5.2	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
trans-Chlordane	ND		33	12	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
gamma-BHC (Lindane)	ND		33	2.7	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
Heptachlor	ND		33	2.9	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
Heptachlor epoxide	ND		33	3.5	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
Methoxychlor	ND		66	11	ug/Kg		11/08/21 15:14	11/24/21 19:04	20
Toxaphene	ND		1300	430	ug/Kg		11/08/21 15:14	11/24/21 19:04	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*46 - 109*	*11/08/21 15:14*	*11/24/21 19:04*	*20*
DCB Decachlorobiphenyl	*54*		*46 - 109*	*11/08/21 15:14*	*11/24/21 19:04*	*20*
Tetrachloro-m-xylene	*111*	*S1+*	*47 - 107*	*11/08/21 15:14*	*11/24/21 19:04*	*20*
Tetrachloro-m-xylene	*70*		*47 - 107*	*11/08/21 15:14*	*11/24/21 19:04*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/08/21 15:15	11/18/21 22:51	1
PCB-1221	ND		32	3.5	ug/Kg		11/08/21 15:15	11/18/21 22:51	1
PCB-1232	ND		32	4.6	ug/Kg		11/08/21 15:15	11/18/21 22:51	1
PCB-1242	ND		32	5.7	ug/Kg		11/08/21 15:15	11/18/21 22:51	1
PCB-1248	ND		32	2.4	ug/Kg		11/08/21 15:15	11/18/21 22:51	1
PCB-1254	ND		32	3.7	ug/Kg		11/08/21 15:15	11/18/21 22:51	1
PCB-1260	ND		32	2.6	ug/Kg		11/08/21 15:15	11/18/21 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*47*	*S1-*	*52 - 138*	*11/08/21 15:15*	*11/18/21 22:51*	*1*
Tetrachloro-m-xylene	*61*		*56 - 114*	*11/08/21 15:15*	*11/18/21 22:51*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**690**	**B**	1.0	0.27	mg/Kg		11/02/21 06:55	11/02/21 19:17	1
Arsenic	**6.1**		2.0	1.3	mg/Kg		11/02/21 06:55	11/02/21 19:17	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3/AOC8-S6E-2
Date Collected: 10/28/21 08:42
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-8
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.22	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
4,4'-DDT	ND		1.7	0.24	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
Aldrin	ND		1.7	0.14	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
Chlordane (technical)	ND		20	9.2	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
delta-BHC	ND		1.7	0.34	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
Endosulfan sulfate	ND		1.7	0.34	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
Endrin	ND		1.7	0.20	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
Endrin ketone	ND		1.7	0.26	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
trans-Chlordane	ND		1.7	0.59	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
Methoxychlor	**7.9**		3.3	0.55	ug/Kg		11/08/21 15:14	11/24/21 19:23	1
Toxaphene	ND		66	22	ug/Kg		11/08/21 15:14	11/24/21 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*35*	*S1-*	*46 - 109*	*11/08/21 15:14*	*11/24/21 19:23*	*1*
DCB Decachlorobiphenyl	*44*	*S1-*	*46 - 109*	*11/08/21 15:14*	*11/24/21 19:23*	*1*
Tetrachloro-m-xylene	*62*		*47 - 107*	*11/08/21 15:14*	*11/24/21 19:23*	*1*
Tetrachloro-m-xylene	*59*		*47 - 107*	*11/08/21 15:14*	*11/24/21 19:23*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S8E-0.5

Date Collected: 10/28/21 08:58
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-9

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
Aldrin	ND		16	1.3	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
alpha-BHC	ND		16	1.5	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
beta-BHC	ND		16	2.1	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
Chlordane (technical)	ND		190	89	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
delta-BHC	ND		16	3.3	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
Dieldrin	ND		16	1.9	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
Endosulfan I	ND		16	1.7	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
Endosulfan II	ND		16	1.7	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
Endosulfan sulfate	ND		16	3.3	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
Endrin	ND		16	1.9	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
Endrin aldehyde	ND		16	5.4	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
Endrin ketone	ND		16	2.6	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
trans-Chlordane	ND		16	5.7	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
gamma-BHC (Lindane)	ND		16	1.3	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
Heptachlor	ND		16	1.4	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
Methoxychlor	ND		32	5.3	ug/Kg		11/08/21 15:14	11/24/21 19:42	10
Toxaphene	ND		640	210	ug/Kg		11/08/21 15:14	11/24/21 19:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*46 - 109*	*11/08/21 15:14*	*11/24/21 19:42*	*10*
DCB Decachlorobiphenyl	*59*		*46 - 109*	*11/08/21 15:14*	*11/24/21 19:42*	*10*
Tetrachloro-m-xylene	*89*		*47 - 107*	*11/08/21 15:14*	*11/24/21 19:42*	*10*
Tetrachloro-m-xylene	*64*		*47 - 107*	*11/08/21 15:14*	*11/24/21 19:42*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		31	2.4	ug/Kg		11/08/21 15:15	11/18/21 23:12	1
PCB-1221	ND		31	3.4	ug/Kg		11/08/21 15:15	11/18/21 23:12	1
PCB-1232	ND		31	4.5	ug/Kg		11/08/21 15:15	11/18/21 23:12	1
PCB-1242	ND		31	5.6	ug/Kg		11/08/21 15:15	11/18/21 23:12	1
PCB-1248	ND		31	2.3	ug/Kg		11/08/21 15:15	11/18/21 23:12	1
PCB-1254	ND		31	3.6	ug/Kg		11/08/21 15:15	11/18/21 23:12	1
PCB-1260	ND		31	2.6	ug/Kg		11/08/21 15:15	11/18/21 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*52 - 138*	*11/08/21 15:15*	*11/18/21 23:12*	*1*
Tetrachloro-m-xylene	*77*		*56 - 114*	*11/08/21 15:15*	*11/18/21 23:12*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**220**	**B**	1.0	0.26	mg/Kg		11/02/21 06:55	11/02/21 19:21	1
Arsenic	**12**		2.0	1.3	mg/Kg		11/02/21 06:55	11/02/21 19:21	1

Client Sample ID: AOC3-S8E-2

Date Collected: 10/28/21 08:59
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-10

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.4	1.1	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
4,4'-DDE	ND		8.4	1.0	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
4,4'-DDT	ND		8.4	1.2	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
Aldrin	ND		8.4	0.69	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
alpha-BHC	ND		8.4	0.79	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
cis-Chlordane	ND		8.4	0.88	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
beta-BHC	ND		8.4	1.1	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
Chlordane (technical)	ND		98	46	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
delta-BHC	ND		8.4	1.7	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
Dieldrin	ND		8.4	0.98	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
Endosulfan I	ND		8.4	0.88	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
Endosulfan II	ND		8.4	0.88	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
Endosulfan sulfate	ND		8.4	1.7	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
Endrin	ND		8.4	0.98	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
Endrin aldehyde	ND		8.4	2.8	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
Endrin ketone	ND		8.4	1.3	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
trans-Chlordane	ND		8.4	2.9	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
gamma-BHC (Lindane)	ND		8.4	0.69	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
Heptachlor	ND		8.4	0.74	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
Heptachlor epoxide	ND		8.4	0.88	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
Methoxychlor	ND		17	2.8	ug/Kg		11/08/21 15:14	11/24/21 20:01	5
Toxaphene	ND		330	110	ug/Kg		11/08/21 15:14	11/24/21 20:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*46 - 109*	*11/08/21 15:14*	*11/24/21 20:01*	*5*
DCB Decachlorobiphenyl	*44*	*S1-*	*46 - 109*	*11/08/21 15:14*	*11/24/21 20:01*	*5*
Tetrachloro-m-xylene	*76*		*47 - 107*	*11/08/21 15:14*	*11/24/21 20:01*	*5*
Tetrachloro-m-xylene	*67*		*47 - 107*	*11/08/21 15:14*	*11/24/21 20:01*	*5*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S7E-2
Date Collected: 10/28/21 09:01
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-11
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.22	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
4,4'-DDE	ND		1.7	0.20	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
4,4'-DDT	ND		1.7	0.24	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
Aldrin	ND		1.7	0.14	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
beta-BHC	ND		1.7	0.21	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
Chlordane (technical)	ND		20	9.2	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
delta-BHC	ND		1.7	0.34	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
Endosulfan sulfate	ND		1.7	0.34	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
Endrin	ND		1.7	0.20	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
Endrin ketone	ND		1.7	0.26	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
trans-Chlordane	ND		1.7	0.59	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
Methoxychlor	ND		3.3	0.55	ug/Kg		11/08/21 15:14	11/24/21 20:20	1
Toxaphene	ND		65	22	ug/Kg		11/08/21 15:14	11/24/21 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*34*	*S1-*	*46 - 109*	*11/08/21 15:14*	*11/24/21 20:20*	*1*
DCB Decachlorobiphenyl	*47*		*46 - 109*	*11/08/21 15:14*	*11/24/21 20:20*	*1*
Tetrachloro-m-xylene	*60*		*47 - 107*	*11/08/21 15:14*	*11/24/21 20:20*	*1*
Tetrachloro-m-xylene	*57*		*47 - 107*	*11/08/21 15:14*	*11/24/21 20:20*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S9E-0.5

Date Collected: 10/28/21 09:00
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-12

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	4.5	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
4,4'-DDE	ND		33	4.1	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
4,4'-DDT	ND		33	4.9	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
Aldrin	ND		33	2.7	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
alpha-BHC	ND		33	3.1	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
cis-Chlordane	ND		33	3.5	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
beta-BHC	ND		33	4.3	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
Chlordane (technical)	ND		390	180	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
delta-BHC	ND		33	6.9	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
Dieldrin	ND		33	3.9	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
Endosulfan I	ND		33	3.5	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
Endosulfan II	ND		33	3.5	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
Endosulfan sulfate	ND		33	6.9	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
Endrin	ND		33	3.9	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
Endrin aldehyde	ND		33	11	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
Endrin ketone	ND		33	5.3	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
trans-Chlordane	ND		33	12	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
gamma-BHC (Lindane)	ND		33	2.7	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
Heptachlor	ND		33	2.9	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
Heptachlor epoxide	ND		33	3.5	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
Methoxychlor	ND		67	11	ug/Kg		11/08/21 15:14	11/24/21 20:39	20
Toxaphene	ND		1300	440	ug/Kg		11/08/21 15:14	11/24/21 20:39	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*46 - 109*	*11/08/21 15:14*	*11/24/21 20:39*	*20*
DCB Decachlorobiphenyl	*67*		*46 - 109*	*11/08/21 15:14*	*11/24/21 20:39*	*20*
Tetrachloro-m-xylene	*106*		*47 - 107*	*11/08/21 15:14*	*11/24/21 20:39*	*20*
Tetrachloro-m-xylene	*66*		*47 - 107*	*11/08/21 15:14*	*11/24/21 20:39*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/08/21 15:15	11/18/21 23:33	1
PCB-1221	ND		32	3.5	ug/Kg		11/08/21 15:15	11/18/21 23:33	1
PCB-1232	ND		32	4.7	ug/Kg		11/08/21 15:15	11/18/21 23:33	1
PCB-1242	ND		32	5.8	ug/Kg		11/08/21 15:15	11/18/21 23:33	1
PCB-1248	ND		32	2.4	ug/Kg		11/08/21 15:15	11/18/21 23:33	1
PCB-1254	ND		32	3.7	ug/Kg		11/08/21 15:15	11/18/21 23:33	1
PCB-1260	ND		32	2.6	ug/Kg		11/08/21 15:15	11/18/21 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*52 - 138*	*11/08/21 15:15*	*11/18/21 23:33*	*1*
Tetrachloro-m-xylene	*79*		*56 - 114*	*11/08/21 15:15*	*11/18/21 23:33*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**130**	**B**	0.99	0.26	mg/Kg		11/02/21 06:55	11/02/21 19:25	1
Arsenic	**7.4**		2.0	1.3	mg/Kg		11/02/21 06:55	11/02/21 19:25	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S9E-0.5 DUP

Date Collected: 10/28/21 09:01
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-13

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	4.5	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
4,4'-DDE	ND		33	4.1	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
4,4'-DDT	ND		33	4.9	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
Aldrin	ND		33	2.8	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
alpha-BHC	ND		33	3.1	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
cis-Chlordane	ND		33	3.5	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
beta-BHC	ND		33	4.3	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
Chlordane (technical)	ND		390	190	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
delta-BHC	ND		33	6.9	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
Dieldrin	ND		33	3.9	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
Endosulfan I	ND		33	3.5	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
Endosulfan II	ND		33	3.5	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
Endosulfan sulfate	ND		33	6.9	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
Endrin	ND		33	3.9	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
Endrin aldehyde	ND		33	11	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
Endrin ketone	ND		33	5.3	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
trans-Chlordane	ND		33	12	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
gamma-BHC (Lindane)	ND		33	2.8	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
Heptachlor	ND		33	3.0	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
Heptachlor epoxide	ND		33	3.5	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
Methoxychlor	ND		67	11	ug/Kg		11/08/21 15:14	11/24/21 20:58	20
Toxaphene	ND		1300	440	ug/Kg		11/08/21 15:14	11/24/21 20:58	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*46 - 109*	*11/08/21 15:14*	*11/24/21 20:58*	*20*
DCB Decachlorobiphenyl	*58*		*46 - 109*	*11/08/21 15:14*	*11/24/21 20:58*	*20*
Tetrachloro-m-xylene	*116*	*S1+*	*47 - 107*	*11/08/21 15:14*	*11/24/21 20:58*	*20*
Tetrachloro-m-xylene	*67*		*47 - 107*	*11/08/21 15:14*	*11/24/21 20:58*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/08/21 15:15	11/18/21 23:53	1
PCB-1221	ND		32	3.6	ug/Kg		11/08/21 15:15	11/18/21 23:53	1
PCB-1232	ND		32	4.7	ug/Kg		11/08/21 15:15	11/18/21 23:53	1
PCB-1242	ND		32	5.8	ug/Kg		11/08/21 15:15	11/18/21 23:53	1
PCB-1248	ND		32	2.4	ug/Kg		11/08/21 15:15	11/18/21 23:53	1
PCB-1254	ND		32	3.8	ug/Kg		11/08/21 15:15	11/18/21 23:53	1
PCB-1260	ND		32	2.7	ug/Kg		11/08/21 15:15	11/18/21 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*52 - 138*	*11/08/21 15:15*	*11/18/21 23:53*	*1*
Tetrachloro-m-xylene	*69*		*56 - 114*	*11/08/21 15:15*	*11/18/21 23:53*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**49**	**B**	0.96	0.25	mg/Kg		11/02/21 06:55	11/02/21 19:29	1
Arsenic	**2.8**		1.9	1.3	mg/Kg		11/02/21 06:55	11/02/21 19:29	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S9E-2
Date Collected: 10/28/21 09:02
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-14
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
Aldrin	ND		1.7	0.14	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
Chlordane (technical)	ND		20	9.2	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
delta-BHC	ND		1.7	0.34	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
Endosulfan sulfate	ND		1.7	0.34	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
Endrin	ND		1.7	0.20	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
trans-Chlordane	ND		1.7	0.59	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
Methoxychlor	ND		3.3	0.55	ug/Kg		11/08/21 15:14	11/24/21 21:16	1
Toxaphene	ND		66	22	ug/Kg		11/08/21 15:14	11/24/21 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*37*	*S1-*	*46 - 109*	*11/08/21 15:14*	*11/24/21 21:16*	*1*
DCB Decachlorobiphenyl	*45*	*S1-*	*46 - 109*	*11/08/21 15:14*	*11/24/21 21:16*	*1*
Tetrachloro-m-xylene	*62*		*47 - 107*	*11/08/21 15:14*	*11/24/21 21:16*	*1*
Tetrachloro-m-xylene	*60*		*47 - 107*	*11/08/21 15:14*	*11/24/21 21:16*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S7E-0.5

Date Collected: 10/28/21 09:12
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-15

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		34	4.5	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
4,4'-DDE	ND		34	4.1	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
4,4'-DDT	ND		34	4.9	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
Aldrin	ND		34	2.8	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
alpha-BHC	ND		34	3.2	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
cis-Chlordane	ND		34	3.6	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
beta-BHC	ND		34	4.3	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
Chlordane (technical)	ND		390	190	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
delta-BHC	ND		34	6.9	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
Dieldrin	ND		34	3.9	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
Endosulfan I	ND		34	3.6	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
Endosulfan II	ND		34	3.6	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
Endosulfan sulfate	ND		34	6.9	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
Endrin	ND		34	3.9	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
Endrin aldehyde	ND		34	11	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
Endrin ketone	ND		34	5.3	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
trans-Chlordane	ND		34	12	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
gamma-BHC (Lindane)	ND		34	2.8	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
Heptachlor	ND		34	3.0	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
Heptachlor epoxide	ND		34	3.6	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
Methoxychlor	ND		67	11	ug/Kg		11/08/21 15:14	11/24/21 21:35	20
Toxaphene	ND		1300	440	ug/Kg		11/08/21 15:14	11/24/21 21:35	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*46 - 109*	*11/08/21 15:14*	*11/24/21 21:35*	*20*
DCB Decachlorobiphenyl	*50*		*46 - 109*	*11/08/21 15:14*	*11/24/21 21:35*	*20*
Tetrachloro-m-xylene	*112*	*S1+*	*47 - 107*	*11/08/21 15:14*	*11/24/21 21:35*	*20*
Tetrachloro-m-xylene	*64*		*47 - 107*	*11/08/21 15:14*	*11/24/21 21:35*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/08/21 15:15	11/19/21 00:14	1
PCB-1221	ND		33	3.6	ug/Kg		11/08/21 15:15	11/19/21 00:14	1
PCB-1232	ND		33	4.7	ug/Kg		11/08/21 15:15	11/19/21 00:14	1
PCB-1242	ND		33	5.8	ug/Kg		11/08/21 15:15	11/19/21 00:14	1
PCB-1248	ND		33	2.4	ug/Kg		11/08/21 15:15	11/19/21 00:14	1
PCB-1254	ND		33	3.8	ug/Kg		11/08/21 15:15	11/19/21 00:14	1
PCB-1260	ND		33	2.7	ug/Kg		11/08/21 15:15	11/19/21 00:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*43*	*S1-*	*52 - 138*	*11/08/21 15:15*	*11/19/21 00:14*	*1*
Tetrachloro-m-xylene	*60*		*56 - 114*	*11/08/21 15:15*	*11/19/21 00:14*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**120**	**B**	1.0	0.26	mg/Kg		11/02/21 06:55	11/02/21 19:32	1
Arsenic	**3.2**		2.0	1.3	mg/Kg		11/02/21 06:55	11/02/21 19:32	1

Client Sample ID: AOC3-S6F-0.5

Date Collected: 10/28/21 09:10
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-16

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND	F1	33	4.5	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
4,4'-DDE	ND	F1	33	4.1	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
4,4'-DDT	ND	F1	33	4.8	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
Aldrin	ND		33	2.7	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
alpha-BHC	ND		33	3.1	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
cis-Chlordane	ND	F1	33	3.5	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
beta-BHC	ND		33	4.3	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
Chlordane (technical)	ND		390	180	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
delta-BHC	ND		33	6.8	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
Dieldrin	ND	F1	33	3.9	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
Endosulfan I	ND	F1	33	3.5	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
Endosulfan II	ND	F1	33	3.5	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
Endosulfan sulfate	ND	F1	33	6.8	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
Endrin	ND	F1	33	3.9	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
Endrin aldehyde	ND	F1	33	11	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
Endrin ketone	ND	F1 F2	33	5.2	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
trans-Chlordane	ND	F1	33	12	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
gamma-BHC (Lindane)	ND		33	2.7	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
Heptachlor	ND		33	2.9	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
Heptachlor epoxide	ND	F1	33	3.5	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
Methoxychlor	ND	F1	66	11	ug/Kg		11/08/21 15:14	11/24/21 21:54	20
Toxaphene	ND		1300	430	ug/Kg		11/08/21 15:14	11/24/21 21:54	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*46 - 109*	*11/08/21 15:14*	*11/24/21 21:54*	*20*
DCB Decachlorobiphenyl	*65*		*46 - 109*	*11/08/21 15:14*	*11/24/21 21:54*	*20*
Tetrachloro-m-xylene	*116*	*S1+*	*47 - 107*	*11/08/21 15:14*	*11/24/21 21:54*	*20*
Tetrachloro-m-xylene	*72*		*47 - 107*	*11/08/21 15:14*	*11/24/21 21:54*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/08/21 15:15	11/22/21 17:44	1
PCB-1221	ND		32	3.5	ug/Kg		11/08/21 15:15	11/22/21 17:44	1
PCB-1232	ND		32	4.6	ug/Kg		11/08/21 15:15	11/22/21 17:44	1
PCB-1242	ND		32	5.7	ug/Kg		11/08/21 15:15	11/22/21 17:44	1
PCB-1248	ND		32	2.4	ug/Kg		11/08/21 15:15	11/22/21 17:44	1
PCB-1254	ND		32	3.7	ug/Kg		11/08/21 15:15	11/22/21 17:44	1
PCB-1260	ND		32	2.6	ug/Kg		11/08/21 15:15	11/22/21 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*52 - 138*	*11/08/21 15:15*	*11/22/21 17:44*	*1*
Tetrachloro-m-xylene	*60*		*56 - 114*	*11/08/21 15:15*	*11/22/21 17:44*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**170**	**B**	1.0	0.27	mg/Kg		11/02/21 06:55	11/02/21 19:36	1
Arsenic	**4.0**		2.0	1.3	mg/Kg		11/02/21 06:55	11/02/21 19:36	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S6F-2
Date Collected: 10/28/21 09:12
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-17
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.4	0.46	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
4,4'-DDE	ND		3.4	0.42	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
4,4'-DDT	ND		3.4	0.50	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
Aldrin	ND		3.4	0.28	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
alpha-BHC	ND		3.4	0.32	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
cis-Chlordane	ND		3.4	0.36	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
beta-BHC	ND		3.4	0.44	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
Chlordane (technical)	ND		40	19	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
delta-BHC	ND		3.4	0.70	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
Dieldrin	ND		3.4	0.40	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
Endosulfan I	ND		3.4	0.36	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
Endosulfan II	ND		3.4	0.36	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
Endosulfan sulfate	ND		3.4	0.70	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
Endrin	ND		3.4	0.40	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
Endrin aldehyde	ND		3.4	1.1	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
Endrin ketone	ND		3.4	0.54	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
trans-Chlordane	ND		3.4	1.2	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
gamma-BHC (Lindane)	ND		3.4	0.28	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
Heptachlor	ND		3.4	0.30	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
Heptachlor epoxide	ND		3.4	0.36	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
Methoxychlor	ND		6.8	1.1	ug/Kg		11/08/21 15:14	11/24/21 22:51	2
Toxaphene	ND		130	45	ug/Kg		11/08/21 15:14	11/24/21 22:51	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*41*	*S1-*	*46 - 109*	*11/08/21 15:14*	*11/24/21 22:51*	*2*
DCB Decachlorobiphenyl	*42*	*S1-*	*46 - 109*	*11/08/21 15:14*	*11/24/21 22:51*	*2*
Tetrachloro-m-xylene	*75*		*47 - 107*	*11/08/21 15:14*	*11/24/21 22:51*	*2*
Tetrachloro-m-xylene	*69*		*47 - 107*	*11/08/21 15:14*	*11/24/21 22:51*	*2*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S6G-0.5

Date Collected: 10/28/21 09:56
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-18

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	4.4	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
4,4'-DDE	ND	F1	33	4.1	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
4,4'-DDT	ND	F2	33	4.8	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
Aldrin	ND	F2	33	2.7	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
alpha-BHC	ND		33	3.1	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
cis-Chlordane	ND	F2	33	3.5	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
beta-BHC	ND		33	4.3	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
Chlordane (technical)	ND		390	180	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
delta-BHC	ND		33	6.8	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
Dieldrin	ND	F2	33	3.9	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
Endosulfan I	ND		33	3.5	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
Endosulfan II	ND		33	3.5	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
Endosulfan sulfate	ND	F1	33	6.8	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
Endrin	ND	F2	33	3.9	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
Endrin aldehyde	ND	F1	33	11	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
Endrin ketone	ND		33	5.2	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
trans-Chlordane	ND	F1	33	12	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
gamma-BHC (Lindane)	ND		33	2.7	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
Heptachlor	ND		33	2.9	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
Heptachlor epoxide	ND		33	3.5	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
Methoxychlor	ND	F1	66	11	ug/Kg		11/09/21 08:55	11/26/21 15:41	20
Toxaphene	ND		1300	430	ug/Kg		11/09/21 08:55	11/26/21 15:41	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 15:41*	*20*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 15:41*	*20*
Tetrachloro-m-xylene	*80*		*47 - 107*	*11/09/21 08:55*	*11/26/21 15:41*	*20*
Tetrachloro-m-xylene	*39*	*S1-*	*47 - 107*	*11/09/21 08:55*	*11/26/21 15:41*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		160	12	ug/Kg		11/09/21 09:03	11/19/21 23:25	5
PCB-1221	ND		160	18	ug/Kg		11/09/21 09:03	11/19/21 23:25	5
PCB-1232	ND		160	23	ug/Kg		11/09/21 09:03	11/19/21 23:25	5
PCB-1242	ND		160	29	ug/Kg		11/09/21 09:03	11/19/21 23:25	5
PCB-1248	ND		160	12	ug/Kg		11/09/21 09:03	11/19/21 23:25	5
PCB-1254	ND		160	18	ug/Kg		11/09/21 09:03	11/19/21 23:25	5
PCB-1260	ND		160	13	ug/Kg		11/09/21 09:03	11/19/21 23:25	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*52 - 138*	*11/09/21 09:03*	*11/19/21 23:25*	*5*
Tetrachloro-m-xylene	*83*		*56 - 114*	*11/09/21 09:03*	*11/19/21 23:25*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.12**	**J**	0.50	0.090	mg/Kg		11/02/21 06:55	11/02/21 19:48	1
Arsenic	**3.9**		2.0	1.3	mg/Kg		11/02/21 06:55	11/02/21 19:48	1
Barium	**130**		1.0	0.12	mg/Kg		11/02/21 06:55	11/02/21 19:48	1
Beryllium	**0.46**		0.20	0.030	mg/Kg		11/02/21 06:55	11/02/21 19:48	1
Cadmium	**0.45**		0.20	0.030	mg/Kg		11/02/21 06:55	11/02/21 19:48	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S6G-0.5
Date Collected: 10/28/21 09:56
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	4.6		0.50	0.25	mg/Kg		11/02/21 06:55	11/02/21 19:48	1
Chromium	27		0.50	0.14	mg/Kg		11/02/21 06:55	11/02/21 19:48	1
Copper	31		1.5	0.22	mg/Kg		11/02/21 06:55	11/02/21 19:48	1
Molybdenum	ND		2.0	0.75	mg/Kg		11/02/21 06:55	11/02/21 19:48	1
Nickel	18		1.0	0.24	mg/Kg		11/02/21 06:55	11/02/21 19:48	1
Lead	200	B	1.0	0.26	mg/Kg		11/02/21 06:55	11/02/21 19:48	1
Selenium	ND		2.0	1.4	mg/Kg		11/02/21 06:55	11/02/21 19:48	1
Antimony	8.7		2.0	0.94	mg/Kg		11/02/21 06:55	11/02/21 19:48	1
Thallium	ND		2.0	0.84	mg/Kg		11/02/21 06:55	11/02/21 19:48	1
Vanadium	24		0.50	0.19	mg/Kg		11/02/21 06:55	11/02/21 19:48	1
Zinc	260		2.0	0.19	mg/Kg		11/02/21 06:55	11/03/21 17:10	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.082	0.013	mg/Kg		11/12/21 05:53	11/12/21 11:41	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S6G-2
Date Collected: 10/28/21 09:58
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-19
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	4.5	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
4,4'-DDE	ND		33	4.1	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
4,4'-DDT	ND		33	4.9	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
Aldrin	ND		33	2.7	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
alpha-BHC	ND		33	3.1	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
cis-Chlordane	ND		33	3.5	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
beta-BHC	ND		33	4.3	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
Chlordane (technical)	ND		390	180	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
delta-BHC	ND		33	6.8	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
Dieldrin	ND		33	3.9	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
Endosulfan I	ND		33	3.5	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
Endosulfan II	ND		33	3.5	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
Endosulfan sulfate	ND		33	6.8	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
Endrin	ND		33	3.9	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
Endrin aldehyde	ND		33	11	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
Endrin ketone	ND		33	5.3	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
trans-Chlordane	ND		33	12	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
gamma-BHC (Lindane)	ND		33	2.7	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
Heptachlor	ND		33	2.9	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
Heptachlor epoxide	ND		33	3.5	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
Methoxychlor	ND		66	11	ug/Kg		11/09/21 08:55	11/26/21 16:38	20
Toxaphene	ND		1300	440	ug/Kg		11/09/21 08:55	11/26/21 16:38	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 16:38*	*20*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 16:38*	*20*
Tetrachloro-m-xylene	*85*		*47 - 107*	*11/09/21 08:55*	*11/26/21 16:38*	*20*
Tetrachloro-m-xylene	*44*	*S1-*	*47 - 107*	*11/09/21 08:55*	*11/26/21 16:38*	*20*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S5F-0.5

Date Collected: 10/28/21 09:58
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-20

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		34	4.6	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
4,4'-DDE	ND		34	4.2	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
4,4'-DDT	ND		34	5.0	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
Aldrin	ND		34	2.8	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
alpha-BHC	ND		34	3.2	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
cis-Chlordane	ND		34	3.6	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
beta-BHC	ND		34	4.4	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
Chlordane (technical)	ND		400	190	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
delta-BHC	ND		34	6.9	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
Dieldrin	ND		34	4.0	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
Endosulfan I	ND		34	3.6	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
Endosulfan II	ND		34	3.6	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
Endosulfan sulfate	ND		34	6.9	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
Endrin	ND		34	4.0	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
Endrin aldehyde	ND		34	11	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
Endrin ketone	ND		34	5.4	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
trans-Chlordane	ND		34	12	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
gamma-BHC (Lindane)	ND		34	2.8	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
Heptachlor	ND		34	3.0	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
Heptachlor epoxide	ND		34	3.6	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
Methoxychlor	ND		67	11	ug/Kg		11/09/21 08:55	11/26/21 16:57	20
Toxaphene	ND		1300	440	ug/Kg		11/09/21 08:55	11/26/21 16:57	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 16:57*	*20*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 16:57*	*20*
Tetrachloro-m-xylene	*77*		*47 - 107*	*11/09/21 08:55*	*11/26/21 16:57*	*20*
Tetrachloro-m-xylene	*32*	*S1-*	*47 - 107*	*11/09/21 08:55*	*11/26/21 16:57*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		160	13	ug/Kg		11/09/21 09:03	11/19/21 23:45	5
PCB-1221	ND		160	18	ug/Kg		11/09/21 09:03	11/19/21 23:45	5
PCB-1232	ND		160	24	ug/Kg		11/09/21 09:03	11/19/21 23:45	5
PCB-1242	ND		160	29	ug/Kg		11/09/21 09:03	11/19/21 23:45	5
PCB-1248	ND		160	12	ug/Kg		11/09/21 09:03	11/19/21 23:45	5
PCB-1254	ND		160	19	ug/Kg		11/09/21 09:03	11/19/21 23:45	5
PCB-1260	ND		160	13	ug/Kg		11/09/21 09:03	11/19/21 23:45	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*52 - 138*	*11/09/21 09:03*	*11/19/21 23:45*	*5*
Tetrachloro-m-xylene	*73*		*56 - 114*	*11/09/21 09:03*	*11/19/21 23:45*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**200**	**B**	0.97	0.25	mg/Kg		11/02/21 06:55	11/02/21 19:51	1
Arsenic	**3.9**		1.9	1.3	mg/Kg		11/02/21 06:55	11/02/21 19:51	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S5F-2
Date Collected: 10/28/21 09:59
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-21
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.3	0.45	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
4,4'-DDE	ND		3.3	0.41	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
4,4'-DDT	ND		3.3	0.48	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
Aldrin	ND		3.3	0.27	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
alpha-BHC	ND		3.3	0.31	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
cis-Chlordane	ND		3.3	0.35	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
beta-BHC	ND		3.3	0.43	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
Chlordane (technical)	ND		39	18	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
delta-BHC	ND		3.3	0.68	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
Dieldrin	ND		3.3	0.39	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
Endosulfan I	ND		3.3	0.35	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
Endosulfan II	ND		3.3	0.35	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
Endosulfan sulfate	ND		3.3	0.68	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
Endrin	ND		3.3	0.39	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
Endrin aldehyde	ND		3.3	1.1	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
Endrin ketone	ND		3.3	0.52	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
trans-Chlordane	ND		3.3	1.2	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
gamma-BHC (Lindane)	ND		3.3	0.27	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
Heptachlor	ND		3.3	0.29	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
Heptachlor epoxide	ND		3.3	0.35	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
Methoxychlor	ND		6.6	1.1	ug/Kg		11/09/21 08:55	11/26/21 17:16	2
Toxaphene	ND		130	43	ug/Kg		11/09/21 08:55	11/26/21 17:16	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*46 - 109*	*11/09/21 08:55*	*11/26/21 17:16*	*2*
DCB Decachlorobiphenyl	*51*		*46 - 109*	*11/09/21 08:55*	*11/26/21 17:16*	*2*
Tetrachloro-m-xylene	*59*		*47 - 107*	*11/09/21 08:55*	*11/26/21 17:16*	*2*
Tetrachloro-m-xylene	*51*		*47 - 107*	*11/09/21 08:55*	*11/26/21 17:16*	*2*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S4F-0.5

Date Collected: 10/28/21 10:02
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-22

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		34	4.5	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
4,4'-DDE	ND		34	4.1	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
4,4'-DDT	ND		34	4.9	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
Aldrin	ND		34	2.8	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
alpha-BHC	ND		34	3.2	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
cis-Chlordane	ND		34	3.6	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
beta-BHC	ND		34	4.3	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
Chlordane (technical)	ND		390	190	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
delta-BHC	ND		34	6.9	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
Dieldrin	ND		34	3.9	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
Endosulfan I	ND		34	3.6	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
Endosulfan II	ND		34	3.6	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
Endosulfan sulfate	ND		34	6.9	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
Endrin	ND		34	3.9	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
Endrin aldehyde	ND		34	11	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
Endrin ketone	ND		34	5.3	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
trans-Chlordane	ND		34	12	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
gamma-BHC (Lindane)	ND		34	2.8	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
Heptachlor	ND		34	3.0	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
Heptachlor epoxide	ND		34	3.6	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
Methoxychlor	ND		67	11	ug/Kg		11/09/21 08:55	11/26/21 17:35	20
Toxaphene	ND		1300	440	ug/Kg		11/09/21 08:55	11/26/21 17:35	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 17:35*	*20*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 17:35*	*20*
Tetrachloro-m-xylene	*80*		*47 - 107*	*11/09/21 08:55*	*11/26/21 17:35*	*20*
Tetrachloro-m-xylene	*29*	*S1-*	*47 - 107*	*11/09/21 08:55*	*11/26/21 17:35*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		160	13	ug/Kg		11/09/21 09:03	11/20/21 00:05	5
PCB-1221	ND		160	18	ug/Kg		11/09/21 09:03	11/20/21 00:05	5
PCB-1232	ND		160	24	ug/Kg		11/09/21 09:03	11/20/21 00:05	5
PCB-1242	ND		160	29	ug/Kg		11/09/21 09:03	11/20/21 00:05	5
PCB-1248	ND		160	12	ug/Kg		11/09/21 09:03	11/20/21 00:05	5
PCB-1254	ND		160	19	ug/Kg		11/09/21 09:03	11/20/21 00:05	5
PCB-1260	ND		160	13	ug/Kg		11/09/21 09:03	11/20/21 00:05	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*52 - 138*	*11/09/21 09:03*	*11/20/21 00:05*	*5*
Tetrachloro-m-xylene	*82*		*56 - 114*	*11/09/21 09:03*	*11/20/21 00:05*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**96**	**B**	0.98	0.25	mg/Kg		11/02/21 06:55	11/02/21 19:55	1
Arsenic	**4.1**		2.0	1.3	mg/Kg		11/02/21 06:55	11/02/21 19:55	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S4F-2
Date Collected: 10/28/21 10:04
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-23
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		17	2.2	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
4,4'-DDE	ND		17	2.0	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
4,4'-DDT	ND		17	2.4	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
Aldrin	ND		17	1.4	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
alpha-BHC	ND		17	1.6	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
cis-Chlordane	ND		17	1.7	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
beta-BHC	ND		17	2.1	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
Chlordane (technical)	ND		190	91	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
delta-BHC	ND		17	3.4	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
Dieldrin	ND		17	1.9	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
Endosulfan I	ND		17	1.7	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
Endosulfan II	ND		17	1.7	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
Endosulfan sulfate	ND		17	3.4	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
Endrin	ND		17	1.9	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
Endrin aldehyde	ND		17	5.5	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
Endrin ketone	ND		17	2.6	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
trans-Chlordane	ND		17	5.8	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
gamma-BHC (Lindane)	ND		17	1.4	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
Heptachlor	ND		17	1.5	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
Heptachlor epoxide	ND		17	1.7	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
Methoxychlor	ND		33	5.4	ug/Kg		11/09/21 08:55	11/26/21 17:53	10
Toxaphene	ND		650	220	ug/Kg		11/09/21 08:55	11/26/21 17:53	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*121*	*S1+*	*46 - 109*	*11/09/21 08:55*	*11/26/21 17:53*	*10*
DCB Decachlorobiphenyl	*44*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 17:53*	*10*
Tetrachloro-m-xylene	*94*		*47 - 107*	*11/09/21 08:55*	*11/26/21 17:53*	*10*
Tetrachloro-m-xylene	*60*		*47 - 107*	*11/09/21 08:55*	*11/26/21 17:53*	*10*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S3F-0.5

Date Collected: 10/28/21 10:05
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-24

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		83	11	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
4,4'-DDE	ND		83	10	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
4,4'-DDT	ND		83	12	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
Aldrin	ND		83	6.8	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
alpha-BHC	ND		83	7.8	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
cis-Chlordane	ND		83	8.8	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
beta-BHC	ND		83	11	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
Chlordane (technical)	ND		970	460	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
delta-BHC	ND		83	17	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
Dieldrin	ND		83	9.7	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
Endosulfan I	ND		83	8.8	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
Endosulfan II	ND		83	8.8	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
Endosulfan sulfate	ND		83	17	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
Endrin	ND		83	9.7	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
Endrin aldehyde	ND		83	28	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
Endrin ketone	ND		83	13	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
trans-Chlordane	ND		83	29	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
gamma-BHC (Lindane)	ND		83	6.8	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
Heptachlor	ND		83	7.3	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
Heptachlor epoxide	ND		83	8.8	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
Methoxychlor	ND		170	27	ug/Kg		11/09/21 08:55	11/26/21 18:12	50
Toxaphene	ND		3300	1100	ug/Kg		11/09/21 08:55	11/26/21 18:12	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 18:12*	*50*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 18:12*	*50*
Tetrachloro-m-xylene	*0*	*S1-*	*47 - 107*	*11/09/21 08:55*	*11/26/21 18:12*	*50*
Tetrachloro-m-xylene	*0*	*S1-*	*47 - 107*	*11/09/21 08:55*	*11/26/21 18:12*	*50*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		160	12	ug/Kg		11/09/21 09:03	11/20/21 00:25	5
PCB-1221	ND		160	18	ug/Kg		11/09/21 09:03	11/20/21 00:25	5
PCB-1232	ND		160	23	ug/Kg		11/09/21 09:03	11/20/21 00:25	5
PCB-1242	ND		160	29	ug/Kg		11/09/21 09:03	11/20/21 00:25	5
PCB-1248	ND		160	12	ug/Kg		11/09/21 09:03	11/20/21 00:25	5
PCB-1254	ND		160	19	ug/Kg		11/09/21 09:03	11/20/21 00:25	5
PCB-1260	ND		160	13	ug/Kg		11/09/21 09:03	11/20/21 00:25	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*52 - 138*	*11/09/21 09:03*	*11/20/21 00:25*	*5*
Tetrachloro-m-xylene	*98*		*56 - 114*	*11/09/21 09:03*	*11/20/21 00:25*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**180**	**B**	0.98	0.25	mg/Kg		11/02/21 06:55	11/02/21 19:59	1
Arsenic	**6.4**		2.0	1.3	mg/Kg		11/02/21 06:55	11/02/21 19:59	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S3F-2
Date Collected: 10/28/21 10:07
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-25
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.4	0.46	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
4,4'-DDE	ND		3.4	0.42	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
4,4'-DDT	ND		3.4	0.50	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
Aldrin	ND		3.4	0.28	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
alpha-BHC	ND		3.4	0.32	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
cis-Chlordane	ND		3.4	0.36	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
beta-BHC	ND		3.4	0.44	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
Chlordane (technical)	ND		40	19	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
delta-BHC	ND		3.4	0.70	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
Dieldrin	ND		3.4	0.40	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
Endosulfan I	ND		3.4	0.36	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
Endosulfan II	ND		3.4	0.36	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
Endosulfan sulfate	ND		3.4	0.70	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
Endrin	ND		3.4	0.40	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
Endrin aldehyde	ND		3.4	1.1	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
Endrin ketone	ND		3.4	0.54	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
trans-Chlordane	ND		3.4	1.2	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
gamma-BHC (Lindane)	ND		3.4	0.28	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
Heptachlor	ND		3.4	0.30	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
Heptachlor epoxide	ND		3.4	0.36	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
Methoxychlor	ND		6.8	1.1	ug/Kg		11/09/21 08:55	11/26/21 18:31	2
Toxaphene	ND		130	45	ug/Kg		11/09/21 08:55	11/26/21 18:31	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*46 - 109*	*11/09/21 08:55*	*11/26/21 18:31*	*2*
DCB Decachlorobiphenyl	*54*		*46 - 109*	*11/09/21 08:55*	*11/26/21 18:31*	*2*
Tetrachloro-m-xylene	*72*		*47 - 107*	*11/09/21 08:55*	*11/26/21 18:31*	*2*
Tetrachloro-m-xylene	*60*		*47 - 107*	*11/09/21 08:55*	*11/26/21 18:31*	*2*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3/AOC8-S3G-0.5

Date Collected: 10/28/21 10:11
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-26

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	4.4	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
4,4'-DDE	ND		33	4.1	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
4,4'-DDT	ND		33	4.8	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
Aldrin	ND		33	2.7	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
alpha-BHC	ND		33	3.1	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
cis-Chlordane	ND		33	3.5	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
beta-BHC	ND		33	4.2	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
Chlordane (technical)	ND		390	180	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
delta-BHC	ND		33	6.8	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
Dieldrin	ND		33	3.9	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
Endosulfan I	ND		33	3.5	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
Endosulfan II	ND		33	3.5	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
Endosulfan sulfate	ND		33	6.8	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
Endrin	ND		33	3.9	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
Endrin aldehyde	ND		33	11	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
Endrin ketone	ND		33	5.2	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
trans-Chlordane	ND		33	12	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
gamma-BHC (Lindane)	ND		33	2.7	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
Heptachlor	ND		33	2.9	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
Heptachlor epoxide	ND		33	3.5	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
Methoxychlor	ND		66	11	ug/Kg		11/09/21 08:55	11/26/21 18:50	20
Toxaphene	ND		1300	430	ug/Kg		11/09/21 08:55	11/26/21 18:50	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 18:50*	*20*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 18:50*	*20*
Tetrachloro-m-xylene	*82*		*47 - 107*	*11/09/21 08:55*	*11/26/21 18:50*	*20*
Tetrachloro-m-xylene	*46*	*S1-*	*47 - 107*	*11/09/21 08:55*	*11/26/21 18:50*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		160	12	ug/Kg		11/09/21 09:03	11/20/21 00:45	5
PCB-1221	ND		160	17	ug/Kg		11/09/21 09:03	11/20/21 00:45	5
PCB-1232	ND		160	23	ug/Kg		11/09/21 09:03	11/20/21 00:45	5
PCB-1242	ND		160	28	ug/Kg		11/09/21 09:03	11/20/21 00:45	5
PCB-1248	ND		160	12	ug/Kg		11/09/21 09:03	11/20/21 00:45	5
PCB-1254	ND		160	18	ug/Kg		11/09/21 09:03	11/20/21 00:45	5
PCB-1260	ND		160	13	ug/Kg		11/09/21 09:03	11/20/21 00:45	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*52 - 138*	*11/09/21 09:03*	*11/20/21 00:45*	*5*
Tetrachloro-m-xylene	*100*		*56 - 114*	*11/09/21 09:03*	*11/20/21 00:45*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**88**	**B**	1.0	0.26	mg/Kg		11/02/21 06:55	11/02/21 20:03	1
Arsenic	**14**		2.0	1.3	mg/Kg		11/02/21 06:55	11/02/21 20:03	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3/AOC8-S3G-2
Date Collected: 10/28/21 10:19
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-27
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.3	1.1	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
4,4'-DDE	ND		8.3	1.0	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
4,4'-DDT	ND		8.3	1.2	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
Aldrin	ND		8.3	0.68	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
alpha-BHC	ND		8.3	0.78	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
cis-Chlordane	ND		8.3	0.88	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
beta-BHC	ND		8.3	1.1	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
Chlordane (technical)	ND		97	46	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
delta-BHC	ND		8.3	1.7	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
Dieldrin	ND		8.3	0.97	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
Endosulfan I	ND		8.3	0.88	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
Endosulfan II	ND		8.3	0.88	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
Endosulfan sulfate	ND		8.3	1.7	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
Endrin	ND		8.3	0.97	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
Endrin aldehyde	ND		8.3	2.8	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
Endrin ketone	ND		8.3	1.3	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
trans-Chlordane	ND		8.3	2.9	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
gamma-BHC (Lindane)	ND		8.3	0.68	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
Heptachlor	ND		8.3	0.73	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
Heptachlor epoxide	ND		8.3	0.88	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
Methoxychlor	ND		17	2.7	ug/Kg		11/09/21 08:55	11/26/21 19:09	5
Toxaphene	ND		330	110	ug/Kg		11/09/21 08:55	11/26/21 19:09	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*46 - 109*	*11/09/21 08:55*	*11/26/21 19:09*	*5*
DCB Decachlorobiphenyl	*40*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 19:09*	*5*
Tetrachloro-m-xylene	*68*		*47 - 107*	*11/09/21 08:55*	*11/26/21 19:09*	*5*
Tetrachloro-m-xylene	*46*	*S1-*	*47 - 107*	*11/09/21 08:55*	*11/26/21 19:09*	*5*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S4G-0.5

Date Collected: 10/28/21 10:22
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-28

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		85	11	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
4,4'-DDE	ND		85	10	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
4,4'-DDT	ND		85	12	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
Aldrin	ND		85	7.0	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
alpha-BHC	ND		85	8.0	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
cis-Chlordane	ND		85	9.0	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
beta-BHC	ND		85	11	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
Chlordane (technical)	ND		1000	470	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
delta-BHC	ND		85	17	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
Dieldrin	ND		85	10	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
Endosulfan I	ND		85	9.0	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
Endosulfan II	ND		85	9.0	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
Endosulfan sulfate	ND		85	17	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
Endrin	ND		85	10	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
Endrin aldehyde	ND		85	28	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
Endrin ketone	ND		85	13	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
trans-Chlordane	ND		85	30	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
gamma-BHC (Lindane)	ND		85	7.0	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
Heptachlor	ND		85	7.5	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
Heptachlor epoxide	ND		85	9.0	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
Methoxychlor	ND		170	28	ug/Kg		11/09/21 08:55	11/26/21 19:28	50
Toxaphene	ND		3300	1100	ug/Kg		11/09/21 08:55	11/26/21 19:28	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 19:28*	*50*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 19:28*	*50*
Tetrachloro-m-xylene	*0*	*S1-*	*47 - 107*	*11/09/21 08:55*	*11/26/21 19:28*	*50*
Tetrachloro-m-xylene	*0*	*S1-*	*47 - 107*	*11/09/21 08:55*	*11/26/21 19:28*	*50*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		160	13	ug/Kg		11/09/21 09:03	11/20/21 01:05	5
PCB-1221	ND		160	18	ug/Kg		11/09/21 09:03	11/20/21 01:05	5
PCB-1232	ND		160	24	ug/Kg		11/09/21 09:03	11/20/21 01:05	5
PCB-1242	ND		160	29	ug/Kg		11/09/21 09:03	11/20/21 01:05	5
PCB-1248	ND		160	12	ug/Kg		11/09/21 09:03	11/20/21 01:05	5
PCB-1254	ND		160	19	ug/Kg		11/09/21 09:03	11/20/21 01:05	5
PCB-1260	ND		160	13	ug/Kg		11/09/21 09:03	11/20/21 01:05	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*52 - 138*	*11/09/21 09:03*	*11/20/21 01:05*	*5*
Tetrachloro-m-xylene	*90*		*56 - 114*	*11/09/21 09:03*	*11/20/21 01:05*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**130**	**B**	1.0	0.26	mg/Kg		11/02/21 06:55	11/02/21 20:07	1
Arsenic	**4.5**		2.0	1.3	mg/Kg		11/02/21 06:55	11/02/21 20:07	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S4G-2
Date Collected: 10/28/21 10:24
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-29
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.3	0.45	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
4,4'-DDE	ND		3.3	0.41	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
4,4'-DDT	ND		3.3	0.49	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
Aldrin	ND		3.3	0.28	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
alpha-BHC	ND		3.3	0.31	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
cis-Chlordane	ND		3.3	0.35	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
beta-BHC	ND		3.3	0.43	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
Chlordane (technical)	ND		39	18	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
delta-BHC	ND		3.3	0.69	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
Dieldrin	ND		3.3	0.39	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
Endosulfan I	ND		3.3	0.35	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
Endosulfan II	ND		3.3	0.35	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
Endosulfan sulfate	ND		3.3	0.69	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
Endrin	ND		3.3	0.39	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
Endrin aldehyde	ND		3.3	1.1	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
Endrin ketone	ND		3.3	0.53	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
trans-Chlordane	ND		3.3	1.2	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
gamma-BHC (Lindane)	ND		3.3	0.28	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
Heptachlor	ND		3.3	0.29	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
Heptachlor epoxide	ND		3.3	0.35	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
Methoxychlor	ND		6.7	1.1	ug/Kg		11/09/21 08:55	11/26/21 19:47	2
Toxaphene	ND		130	44	ug/Kg		11/09/21 08:55	11/26/21 19:47	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*46 - 109*	*11/09/21 08:55*	*11/26/21 19:47*	*2*
DCB Decachlorobiphenyl	*47*		*46 - 109*	*11/09/21 08:55*	*11/26/21 19:47*	*2*
Tetrachloro-m-xylene	*65*		*47 - 107*	*11/09/21 08:55*	*11/26/21 19:47*	*2*
Tetrachloro-m-xylene	*53*		*47 - 107*	*11/09/21 08:55*	*11/26/21 19:47*	*2*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S5G-0.5

Date Collected: 10/28/21 10:31
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-30

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		82	11	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
4,4'-DDE	ND		82	10	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
4,4'-DDT	ND		82	12	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
Aldrin	ND		82	6.8	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
alpha-BHC	ND		82	7.7	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
cis-Chlordane	ND		82	8.7	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
beta-BHC	ND		82	11	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
Chlordane (technical)	ND		970	450	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
delta-BHC	ND		82	17	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
Dieldrin	ND		82	9.7	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
Endosulfan I	ND		82	8.7	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
Endosulfan II	ND		82	8.7	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
Endosulfan sulfate	ND		82	17	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
Endrin	ND		82	9.7	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
Endrin aldehyde	ND		82	28	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
Endrin ketone	ND		82	13	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
trans-Chlordane	ND		82	29	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
gamma-BHC (Lindane)	ND		82	6.8	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
Heptachlor	ND		82	7.2	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
Heptachlor epoxide	ND		82	8.7	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
Methoxychlor	ND		160	27	ug/Kg		11/09/21 08:55	11/26/21 20:06	50
Toxaphene	ND		3200	1100	ug/Kg		11/09/21 08:55	11/26/21 20:06	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 20:06*	*50*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 20:06*	*50*
Tetrachloro-m-xylene	*0*	*S1-*	*47 - 107*	*11/09/21 08:55*	*11/26/21 20:06*	*50*
Tetrachloro-m-xylene	*0*	*S1-*	*47 - 107*	*11/09/21 08:55*	*11/26/21 20:06*	*50*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		160	12	ug/Kg		11/09/21 09:03	11/20/21 01:25	5
PCB-1221	ND		160	17	ug/Kg		11/09/21 09:03	11/20/21 01:25	5
PCB-1232	ND		160	23	ug/Kg		11/09/21 09:03	11/20/21 01:25	5
PCB-1242	ND		160	28	ug/Kg		11/09/21 09:03	11/20/21 01:25	5
PCB-1248	ND		160	12	ug/Kg		11/09/21 09:03	11/20/21 01:25	5
PCB-1254	ND		160	18	ug/Kg		11/09/21 09:03	11/20/21 01:25	5
PCB-1260	ND		160	13	ug/Kg		11/09/21 09:03	11/20/21 01:25	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*52 - 138*	*11/09/21 09:03*	*11/20/21 01:25*	*5*
Tetrachloro-m-xylene	*94*		*56 - 114*	*11/09/21 09:03*	*11/20/21 01:25*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**17**	**B**	0.99	0.26	mg/Kg		11/02/21 06:55	11/02/21 20:10	1
Arsenic	**45**		2.0	1.3	mg/Kg		11/02/21 06:55	11/02/21 20:10	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S5G-2
Date Collected: 10/28/21 10:32
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-31
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.3	0.44	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
4,4'-DDE	ND		3.3	0.40	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
4,4'-DDT	ND		3.3	0.48	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
Aldrin	ND		3.3	0.27	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
alpha-BHC	ND		3.3	0.31	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
cis-Chlordane	ND		3.3	0.34	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
beta-BHC	ND		3.3	0.42	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
Chlordane (technical)	ND		38	18	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
delta-BHC	ND		3.3	0.67	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
Dieldrin	ND		3.3	0.38	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
Endosulfan I	ND		3.3	0.34	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
Endosulfan II	ND		3.3	0.34	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
Endosulfan sulfate	ND		3.3	0.67	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
Endrin	ND		3.3	0.38	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
Endrin aldehyde	ND		3.3	1.1	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
Endrin ketone	ND		3.3	0.52	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
trans-Chlordane	ND		3.3	1.1	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
gamma-BHC (Lindane)	ND		3.3	0.27	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
Heptachlor	ND		3.3	0.29	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
Heptachlor epoxide	ND		3.3	0.34	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
Methoxychlor	ND		6.5	1.1	ug/Kg		11/09/21 08:55	11/26/21 20:25	2
Toxaphene	ND		130	43	ug/Kg		11/09/21 08:55	11/26/21 20:25	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*46 - 109*	*11/09/21 08:55*	*11/26/21 20:25*	*2*
DCB Decachlorobiphenyl	*51*		*46 - 109*	*11/09/21 08:55*	*11/26/21 20:25*	*2*
Tetrachloro-m-xylene	*64*		*47 - 107*	*11/09/21 08:55*	*11/26/21 20:25*	*2*
Tetrachloro-m-xylene	*53*		*47 - 107*	*11/09/21 08:55*	*11/26/21 20:25*	*2*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S5G-2 DUP
Date Collected: 10/28/21 10:32
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-32
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.3	0.44	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
4,4'-DDE	ND		3.3	0.40	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
4,4'-DDT	ND		3.3	0.48	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
Aldrin	ND		3.3	0.27	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
alpha-BHC	ND		3.3	0.31	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
cis-Chlordane	ND		3.3	0.35	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
beta-BHC	ND		3.3	0.42	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
Chlordane (technical)	ND		38	18	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
delta-BHC	ND		3.3	0.67	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
Dieldrin	ND		3.3	0.38	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
Endosulfan I	ND		3.3	0.35	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
Endosulfan II	ND		3.3	0.35	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
Endosulfan sulfate	ND		3.3	0.67	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
Endrin	ND		3.3	0.38	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
Endrin aldehyde	ND		3.3	1.1	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
Endrin ketone	ND		3.3	0.52	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
trans-Chlordane	ND		3.3	1.2	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
gamma-BHC (Lindane)	ND		3.3	0.27	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
Heptachlor	ND		3.3	0.29	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
Heptachlor epoxide	ND		3.3	0.35	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
Methoxychlor	ND		6.5	1.1	ug/Kg		11/09/21 08:55	11/26/21 20:44	2
Toxaphene	ND		130	43	ug/Kg		11/09/21 08:55	11/26/21 20:44	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*46 - 109*	*11/09/21 08:55*	*11/26/21 20:44*	*2*
DCB Decachlorobiphenyl	*47*		*46 - 109*	*11/09/21 08:55*	*11/26/21 20:44*	*2*
Tetrachloro-m-xylene	*59*		*47 - 107*	*11/09/21 08:55*	*11/26/21 20:44*	*2*
Tetrachloro-m-xylene	*50*		*47 - 107*	*11/09/21 08:55*	*11/26/21 20:44*	*2*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S2G-0.5

Date Collected: 10/28/21 11:02
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-33

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		34	4.5	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
4,4'-DDE	ND		34	4.2	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
4,4'-DDT	ND		34	4.9	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
Aldrin	ND		34	2.8	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
alpha-BHC	ND		34	3.2	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
cis-Chlordane	ND		34	3.6	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
beta-BHC	ND		34	4.3	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
Chlordane (technical)	ND		400	190	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
delta-BHC	ND		34	6.9	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
Dieldrin	ND		34	4.0	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
Endosulfan I	ND		34	3.6	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
Endosulfan II	ND		34	3.6	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
Endosulfan sulfate	ND		34	6.9	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
Endrin	ND		34	4.0	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
Endrin aldehyde	ND		34	11	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
Endrin ketone	ND		34	5.3	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
trans-Chlordane	ND		34	12	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
gamma-BHC (Lindane)	ND		34	2.8	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
Heptachlor	ND		34	3.0	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
Heptachlor epoxide	ND		34	3.6	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
Methoxychlor	ND		67	11	ug/Kg		11/09/21 08:55	11/26/21 21:02	20
Toxaphene	ND		1300	440	ug/Kg		11/09/21 08:55	11/26/21 21:02	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 21:02*	*20*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/09/21 08:55*	*11/26/21 21:02*	*20*
Tetrachloro-m-xylene	*86*		*47 - 107*	*11/09/21 08:55*	*11/26/21 21:02*	*20*
Tetrachloro-m-xylene	*40*	*S1-*	*47 - 107*	*11/09/21 08:55*	*11/26/21 21:02*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/09/21 09:03	11/20/21 01:45	1
PCB-1221	ND		33	3.6	ug/Kg		11/09/21 09:03	11/20/21 01:45	1
PCB-1232	ND		33	4.7	ug/Kg		11/09/21 09:03	11/20/21 01:45	1
PCB-1242	ND		33	5.8	ug/Kg		11/09/21 09:03	11/20/21 01:45	1
PCB-1248	ND		33	2.4	ug/Kg		11/09/21 09:03	11/20/21 01:45	1
PCB-1254	ND		33	3.8	ug/Kg		11/09/21 09:03	11/20/21 01:45	1
PCB-1260	ND		33	2.7	ug/Kg		11/09/21 09:03	11/20/21 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*52 - 138*	*11/09/21 09:03*	*11/20/21 01:45*	*1*
Tetrachloro-m-xylene	*81*		*56 - 114*	*11/09/21 09:03*	*11/20/21 01:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**13**	**B**	1.0	0.27	mg/Kg		11/02/21 06:55	11/02/21 20:14	1
Arsenic	**16**		2.1	1.4	mg/Kg		11/02/21 06:55	11/02/21 20:14	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S2G-2
Date Collected: 10/28/21 11:03
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-34
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.4	0.46	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
4,4'-DDE	ND		3.4	0.42	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
4,4'-DDT	ND		3.4	0.50	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
Aldrin	ND		3.4	0.28	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
alpha-BHC	ND		3.4	0.32	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
cis-Chlordane	ND		3.4	0.36	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
beta-BHC	ND		3.4	0.44	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
Chlordane (technical)	ND		40	19	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
delta-BHC	ND		3.4	0.70	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
Dieldrin	ND		3.4	0.40	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
Endosulfan I	ND		3.4	0.36	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
Endosulfan II	ND		3.4	0.36	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
Endosulfan sulfate	ND		3.4	0.70	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
Endrin	ND		3.4	0.40	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
Endrin aldehyde	ND		3.4	1.1	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
Endrin ketone	ND		3.4	0.54	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
trans-Chlordane	ND		3.4	1.2	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
gamma-BHC (Lindane)	ND		3.4	0.28	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
Heptachlor	ND		3.4	0.30	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
Heptachlor epoxide	ND		3.4	0.36	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
Methoxychlor	ND		6.8	1.1	ug/Kg		11/09/21 08:55	11/26/21 21:21	2
Toxaphene	ND		130	45	ug/Kg		11/09/21 08:55	11/26/21 21:21	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*63*		*46 - 109*	*11/09/21 08:55*	*11/26/21 21:21*	*2*
DCB Decachlorobiphenyl	*61*		*46 - 109*	*11/09/21 08:55*	*11/26/21 21:21*	*2*
Tetrachloro-m-xylene	*68*		*47 - 107*	*11/09/21 08:55*	*11/26/21 21:21*	*2*
Tetrachloro-m-xylene	*57*		*47 - 107*	*11/09/21 08:55*	*11/26/21 21:21*	*2*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S2H-0.5

Date Collected: 10/28/21 11:01
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-35

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	4.5	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
4,4'-DDE	ND		33	4.1	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
4,4'-DDT	ND		33	4.9	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
Aldrin	ND		33	2.8	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
alpha-BHC	ND		33	3.2	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
cis-Chlordane	ND		33	3.5	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
beta-BHC	ND		33	4.3	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
Chlordane (technical)	ND		390	190	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
delta-BHC	ND		33	6.9	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
Dieldrin	ND		33	3.9	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
Endosulfan I	ND		33	3.5	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
Endosulfan II	ND		33	3.5	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
Endosulfan sulfate	ND		33	6.9	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
Endrin	ND		33	3.9	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
Endrin aldehyde	ND		33	11	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
Endrin ketone	ND		33	5.3	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
trans-Chlordane	ND		33	12	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
gamma-BHC (Lindane)	ND		33	2.8	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
Heptachlor	ND		33	3.0	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
Heptachlor epoxide	ND		33	3.5	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
Methoxychlor	ND		67	11	ug/Kg		11/09/21 09:28	11/26/21 22:18	20
Toxaphene	ND		1300	440	ug/Kg		11/09/21 09:28	11/26/21 22:18	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*295*	*S1+*	*46 - 109*	*11/09/21 09:28*	*11/26/21 22:18*	*20*
DCB Decachlorobiphenyl	*3*	*S1-*	*46 - 109*	*11/09/21 09:28*	*11/26/21 22:18*	*20*
Tetrachloro-m-xylene	*89*		*47 - 107*	*11/09/21 09:28*	*11/26/21 22:18*	*20*
Tetrachloro-m-xylene	*31*	*S1-*	*47 - 107*	*11/09/21 09:28*	*11/26/21 22:18*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/09/21 09:41	11/19/21 19:46	1
PCB-1221	ND		33	3.6	ug/Kg		11/09/21 09:41	11/19/21 19:46	1
PCB-1232	ND		33	4.7	ug/Kg		11/09/21 09:41	11/19/21 19:46	1
PCB-1242	ND		33	5.8	ug/Kg		11/09/21 09:41	11/19/21 19:46	1
PCB-1248	ND		33	2.4	ug/Kg		11/09/21 09:41	11/19/21 19:46	1
PCB-1254	ND		33	3.8	ug/Kg		11/09/21 09:41	11/19/21 19:46	1
PCB-1260	ND		33	2.7	ug/Kg		11/09/21 09:41	11/19/21 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*	*S1-*	*52 - 138*	*11/09/21 09:41*	*11/19/21 19:46*	*1*
Tetrachloro-m-xylene	*50*	*S1-*	*56 - 114*	*11/09/21 09:41*	*11/19/21 19:46*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**71**	**B**	1.0	0.27	mg/Kg		11/02/21 06:55	11/02/21 20:18	1
Arsenic	**10**		2.0	1.3	mg/Kg		11/02/21 06:55	11/02/21 20:18	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S2H-2
Date Collected: 10/28/21 11:03
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-36
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		17	2.2	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
4,4'-DDE	ND	F1	17	2.0	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
4,4'-DDT	ND	F1	17	2.4	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
Aldrin	ND		17	1.4	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
alpha-BHC	ND		17	1.6	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
cis-Chlordane	ND		17	1.8	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
beta-BHC	ND		17	2.1	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
Chlordane (technical)	ND		190	92	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
delta-BHC	ND		17	3.4	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
Dieldrin	ND		17	1.9	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
Endosulfan I	ND	F2	17	1.8	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
Endosulfan II	ND		17	1.8	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
Endosulfan sulfate	ND	F1	17	3.4	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
Endrin	ND	F1	17	1.9	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
Endrin aldehyde	ND		17	5.6	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
Endrin ketone	ND		17	2.6	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
trans-Chlordane	ND	F1	17	5.8	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
gamma-BHC (Lindane)	ND		17	1.4	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
Heptachlor	ND		17	1.5	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
Heptachlor epoxide	ND		17	1.8	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
Methoxychlor	ND	F1	33	5.5	ug/Kg		11/09/21 09:28	11/26/21 22:37	10
Toxaphene	ND		650	220	ug/Kg		11/09/21 09:28	11/26/21 22:37	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*46 - 109*	*11/09/21 09:28*	*11/26/21 22:37*	*10*
DCB Decachlorobiphenyl	*45*	*S1-*	*46 - 109*	*11/09/21 09:28*	*11/26/21 22:37*	*10*
Tetrachloro-m-xylene	*66*		*47 - 107*	*11/09/21 09:28*	*11/26/21 22:37*	*10*
Tetrachloro-m-xylene	*37*	*S1-*	*47 - 107*	*11/09/21 09:28*	*11/26/21 22:37*	*10*

Client Sample ID: AOC3-S2F-0.5

Date Collected: 10/28/21 11:08
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-37

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
Aldrin	ND		16	1.4	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
alpha-BHC	ND		16	1.5	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
beta-BHC	ND		16	2.1	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
Chlordane (technical)	ND		190	91	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
delta-BHC	ND		16	3.4	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
Dieldrin	ND		16	1.9	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
Endosulfan I	ND		16	1.7	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
Endosulfan II	ND		16	1.7	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
Endosulfan sulfate	ND		16	3.4	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
Endrin	ND		16	1.9	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
Endrin aldehyde	ND		16	5.5	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
Endrin ketone	ND		16	2.6	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
trans-Chlordane	ND		16	5.8	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
gamma-BHC (Lindane)	ND		16	1.4	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
Heptachlor	ND		16	1.4	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
Methoxychlor	ND		33	5.4	ug/Kg		11/09/21 09:28	11/29/21 18:16	10
Toxaphene	ND		650	220	ug/Kg		11/09/21 09:28	11/29/21 18:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*31*	*S1-*	*46 - 109*	*11/09/21 09:28*	*11/29/21 18:16*	*10*
DCB Decachlorobiphenyl	*35*	*S1-*	*46 - 109*	*11/09/21 09:28*	*11/29/21 18:16*	*10*
Tetrachloro-m-xylene	*61*		*47 - 107*	*11/09/21 09:28*	*11/29/21 18:16*	*10*
Tetrachloro-m-xylene	*65*		*47 - 107*	*11/09/21 09:28*	*11/29/21 18:16*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/09/21 09:41	11/19/21 20:06	1
PCB-1221	ND		32	3.5	ug/Kg		11/09/21 09:41	11/19/21 20:06	1
PCB-1232	ND		32	4.6	ug/Kg		11/09/21 09:41	11/19/21 20:06	1
PCB-1242	ND		32	5.7	ug/Kg		11/09/21 09:41	11/19/21 20:06	1
PCB-1248	ND		32	2.4	ug/Kg		11/09/21 09:41	11/19/21 20:06	1
PCB-1254	ND		32	3.7	ug/Kg		11/09/21 09:41	11/19/21 20:06	1
PCB-1260	ND		32	2.6	ug/Kg		11/09/21 09:41	11/19/21 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*27*	*S1-*	*52 - 138*	*11/09/21 09:41*	*11/19/21 20:06*	*1*
Tetrachloro-m-xylene	*35*	*S1-*	*56 - 114*	*11/09/21 09:41*	*11/19/21 20:06*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.29	0.053	mg/Kg		11/02/21 06:55	11/02/21 20:22	1
Arsenic	**8.9**		1.2	0.76	mg/Kg		11/02/21 06:55	11/02/21 20:22	1
Barium	**84**		0.58	0.070	mg/Kg		11/02/21 06:55	11/02/21 20:22	1
Beryllium	**0.29**		0.12	0.018	mg/Kg		11/02/21 06:55	11/02/21 20:22	1
Cadmium	**0.11**	**J**	0.12	0.018	mg/Kg		11/02/21 06:55	11/02/21 20:22	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S2F-0.5
Date Collected: 10/28/21 11:08
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-37
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	6.6		0.29	0.15	mg/Kg		11/02/21 06:55	11/02/21 20:22	1
Chromium	8.8		0.29	0.082	mg/Kg		11/02/21 06:55	11/02/21 20:22	1
Copper	13		0.88	0.13	mg/Kg		11/02/21 06:55	11/02/21 20:22	1
Molybdenum	0.86	J	1.2	0.44	mg/Kg		11/02/21 06:55	11/02/21 20:22	1
Nickel	14		0.58	0.14	mg/Kg		11/02/21 06:55	11/02/21 20:22	1
Lead	5.9	B	0.58	0.15	mg/Kg		11/02/21 06:55	11/02/21 20:22	1
Selenium	ND		1.2	0.82	mg/Kg		11/02/21 06:55	11/02/21 20:22	1
Antimony	2.1		1.2	0.55	mg/Kg		11/02/21 06:55	11/02/21 20:22	1
Thallium	ND		1.2	0.49	mg/Kg		11/02/21 06:55	11/02/21 20:22	1
Vanadium	23		0.29	0.11	mg/Kg		11/02/21 06:55	11/02/21 20:22	1
Zinc	58		1.2	0.11	mg/Kg		11/02/21 06:55	11/03/21 17:21	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.083	0.014	mg/Kg		11/12/21 05:53	11/12/21 11:43	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S2F-2
Date Collected: 10/28/21 11:10
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-38
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
Aldrin	ND		1.6	0.13	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
Chlordane (technical)	ND		19	9.1	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
delta-BHC	ND		1.6	0.34	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
Endosulfan sulfate	ND		1.6	0.34	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
Endrin	ND		1.6	0.19	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
Endrin aldehyde	ND		1.6	0.55	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
trans-Chlordane	ND		1.6	0.58	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
Methoxychlor	ND		3.3	0.54	ug/Kg		11/09/21 09:28	11/29/21 18:35	1
Toxaphene	ND		65	22	ug/Kg		11/09/21 09:28	11/29/21 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*46 - 109*	*11/09/21 09:28*	*11/29/21 18:35*	*1*
DCB Decachlorobiphenyl	*94*		*46 - 109*	*11/09/21 09:28*	*11/29/21 18:35*	*1*
Tetrachloro-m-xylene	*111*	*S1+*	*47 - 107*	*11/09/21 09:28*	*11/29/21 18:35*	*1*
Tetrachloro-m-xylene	*107*		*47 - 107*	*11/09/21 09:28*	*11/29/21 18:35*	*1*

Client Sample ID: AOC3-S2F-0.5 DUP

Date Collected: 10/28/21 11:08
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-39

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
Aldrin	ND		16	1.4	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
alpha-BHC	ND		16	1.6	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
beta-BHC	ND		16	2.1	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
Chlordane (technical)	ND		190	91	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
delta-BHC	ND		16	3.4	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
Dieldrin	ND		16	1.9	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
Endosulfan I	ND		16	1.7	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
Endosulfan II	ND		16	1.7	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
Endosulfan sulfate	ND		16	3.4	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
Endrin	ND		16	1.9	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
Endrin aldehyde	ND		16	5.5	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
Endrin ketone	ND		16	2.6	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
trans-Chlordane	ND		16	5.8	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
gamma-BHC (Lindane)	ND		16	1.4	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
Heptachlor	ND		16	1.5	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
Methoxychlor	ND		33	5.4	ug/Kg		11/09/21 09:28	11/29/21 18:54	10
Toxaphene	ND		650	220	ug/Kg		11/09/21 09:28	11/29/21 18:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*49*		*46 - 109*	*11/09/21 09:28*	*11/29/21 18:54*	*10*
DCB Decachlorobiphenyl	*48*		*46 - 109*	*11/09/21 09:28*	*11/29/21 18:54*	*10*
Tetrachloro-m-xylene	*80*		*47 - 107*	*11/09/21 09:28*	*11/29/21 18:54*	*10*
Tetrachloro-m-xylene	*76*		*47 - 107*	*11/09/21 09:28*	*11/29/21 18:54*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/09/21 09:41	11/19/21 20:26	1
PCB-1221	ND		32	3.5	ug/Kg		11/09/21 09:41	11/19/21 20:26	1
PCB-1232	ND		32	4.6	ug/Kg		11/09/21 09:41	11/19/21 20:26	1
PCB-1242	ND		32	5.7	ug/Kg		11/09/21 09:41	11/19/21 20:26	1
PCB-1248	ND		32	2.4	ug/Kg		11/09/21 09:41	11/19/21 20:26	1
PCB-1254	ND		32	3.7	ug/Kg		11/09/21 09:41	11/19/21 20:26	1
PCB-1260	ND		32	2.6	ug/Kg		11/09/21 09:41	11/19/21 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*	*S1-*	*52 - 138*	*11/09/21 09:41*	*11/19/21 20:26*	*1*
Tetrachloro-m-xylene	*53*	*S1-*	*56 - 114*	*11/09/21 09:41*	*11/19/21 20:26*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.47	0.085	mg/Kg		11/02/21 06:55	11/02/21 20:33	1
Arsenic	**13**		1.9	1.2	mg/Kg		11/02/21 06:55	11/02/21 20:33	1
Barium	**140**		0.94	0.11	mg/Kg		11/02/21 06:55	11/02/21 20:33	1
Beryllium	**0.46**		0.19	0.028	mg/Kg		11/02/21 06:55	11/02/21 20:33	1
Cadmium	**0.20**		0.19	0.028	mg/Kg		11/02/21 06:55	11/02/21 20:33	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S2F-0.5 DUP
Date Collected: 10/28/21 11:08
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-39
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	11		0.47	0.24	mg/Kg		11/02/21 06:55	11/02/21 20:33	1
Chromium	12		0.47	0.13	mg/Kg		11/02/21 06:55	11/02/21 20:33	1
Copper	29		1.4	0.21	mg/Kg		11/02/21 06:55	11/02/21 20:33	1
Molybdenum	1.2	J	1.9	0.71	mg/Kg		11/02/21 06:55	11/02/21 20:33	1
Nickel	19		0.94	0.23	mg/Kg		11/02/21 06:55	11/02/21 20:33	1
Lead	12	B	0.94	0.25	mg/Kg		11/02/21 06:55	11/02/21 20:33	1
Selenium	ND		1.9	1.3	mg/Kg		11/02/21 06:55	11/02/21 20:33	1
Antimony	1.8	J	1.9	0.89	mg/Kg		11/02/21 06:55	11/02/21 20:33	1
Thallium	ND		1.9	0.79	mg/Kg		11/02/21 06:55	11/02/21 20:33	1
Vanadium	33		0.47	0.18	mg/Kg		11/02/21 06:55	11/02/21 20:33	1
Zinc	96		1.9	0.18	mg/Kg		11/02/21 06:55	11/03/21 17:25	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.085	0.014	mg/Kg		11/12/21 05:53	11/12/21 11:44	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S1F-0.5

Date Collected: 10/28/21 11:13
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-40

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	4.4	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
4,4'-DDE	ND		33	4.0	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
4,4'-DDT	ND		33	4.8	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
Aldrin	ND		33	2.7	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
alpha-BHC	ND		33	3.1	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
cis-Chlordane	ND		33	3.5	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
beta-BHC	ND		33	4.2	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
Chlordane (technical)	ND		380	180	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
delta-BHC	ND		33	6.7	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
Dieldrin	ND		33	3.8	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
Endosulfan I	ND		33	3.5	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
Endosulfan II	ND		33	3.5	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
Endosulfan sulfate	ND		33	6.7	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
Endrin	ND		33	3.8	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
Endrin aldehyde	ND		33	11	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
Endrin ketone	ND		33	5.2	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
trans-Chlordane	ND		33	12	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
gamma-BHC (Lindane)	ND		33	2.7	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
Heptachlor	ND		33	2.9	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
Heptachlor epoxide	ND		33	3.5	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
Methoxychlor	ND		65	11	ug/Kg		11/09/21 09:28	11/29/21 19:12	20
Toxaphene	ND		1300	430	ug/Kg		11/09/21 09:28	11/29/21 19:12	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*67*		*46 - 109*	*11/09/21 09:28*	*11/29/21 19:12*	*20*
DCB Decachlorobiphenyl	*78*		*46 - 109*	*11/09/21 09:28*	*11/29/21 19:12*	*20*
Tetrachloro-m-xylene	*114*	*S1+*	*47 - 107*	*11/09/21 09:28*	*11/29/21 19:12*	*20*
Tetrachloro-m-xylene	*73*		*47 - 107*	*11/09/21 09:28*	*11/29/21 19:12*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.4	ug/Kg		11/09/21 09:41	11/19/21 20:46	1
PCB-1221	ND		32	3.5	ug/Kg		11/09/21 09:41	11/19/21 20:46	1
PCB-1232	ND		32	4.6	ug/Kg		11/09/21 09:41	11/19/21 20:46	1
PCB-1242	ND		32	5.7	ug/Kg		11/09/21 09:41	11/19/21 20:46	1
PCB-1248	ND		32	2.3	ug/Kg		11/09/21 09:41	11/19/21 20:46	1
PCB-1254	ND		32	3.7	ug/Kg		11/09/21 09:41	11/19/21 20:46	1
PCB-1260	ND		32	2.6	ug/Kg		11/09/21 09:41	11/19/21 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*49*	*S1-*	*52 - 138*	*11/09/21 09:41*	*11/19/21 20:46*	*1*
Tetrachloro-m-xylene	*57*		*56 - 114*	*11/09/21 09:41*	*11/19/21 20:46*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**7.2**		0.97	0.25	mg/Kg		11/03/21 13:32	11/04/21 11:03	1
Arsenic	**4.4**		1.9	1.3	mg/Kg		11/03/21 13:32	11/04/21 11:03	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S1F-2
Date Collected: 10/28/21 11:14
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-41
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
Aldrin	ND		1.7	0.14	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
Chlordane (technical)	ND		20	9.3	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
Endrin	ND		1.7	0.20	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/09/21 09:28	11/29/21 19:31	1
Toxaphene	ND		66	22	ug/Kg		11/09/21 09:28	11/29/21 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*41*	*S1-*	*46 - 109*	*11/09/21 09:28*	*11/29/21 19:31*	*1*
DCB Decachlorobiphenyl	*43*	*S1-*	*46 - 109*	*11/09/21 09:28*	*11/29/21 19:31*	*1*
Tetrachloro-m-xylene	*57*		*47 - 107*	*11/09/21 09:28*	*11/29/21 19:31*	*1*
Tetrachloro-m-xylene	*56*		*47 - 107*	*11/09/21 09:28*	*11/29/21 19:31*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S1G-0.5

Date Collected: 10/28/21 11:21
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-42

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	4.5	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
4,4'-DDE	ND		33	4.1	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
4,4'-DDT	ND		33	4.8	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
Aldrin	ND		33	2.7	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
alpha-BHC	ND		33	3.1	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
cis-Chlordane	ND		33	3.5	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
beta-BHC	ND		33	4.3	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
Chlordane (technical)	ND		390	180	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
delta-BHC	ND		33	6.8	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
Dieldrin	ND		33	3.9	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
Endosulfan I	ND		33	3.5	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
Endosulfan II	ND		33	3.5	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
Endosulfan sulfate	ND		33	6.8	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
Endrin	ND		33	3.9	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
Endrin aldehyde	ND		33	11	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
Endrin ketone	ND		33	5.2	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
trans-Chlordane	ND		33	12	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
gamma-BHC (Lindane)	ND		33	2.7	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
Heptachlor	ND		33	2.9	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
Heptachlor epoxide	ND		33	3.5	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
Methoxychlor	ND		66	11	ug/Kg		11/09/21 09:28	11/29/21 19:50	20
Toxaphene	ND		1300	430	ug/Kg		11/09/21 09:28	11/29/21 19:50	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*46 - 109*	*11/09/21 09:28*	*11/29/21 19:50*	*20*
DCB Decachlorobiphenyl	*49*		*46 - 109*	*11/09/21 09:28*	*11/29/21 19:50*	*20*
Tetrachloro-m-xylene	*100*		*47 - 107*	*11/09/21 09:28*	*11/29/21 19:50*	*20*
Tetrachloro-m-xylene	*57*		*47 - 107*	*11/09/21 09:28*	*11/29/21 19:50*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/09/21 09:41	11/19/21 21:05	1
PCB-1221	ND		32	3.5	ug/Kg		11/09/21 09:41	11/19/21 21:05	1
PCB-1232	ND		32	4.6	ug/Kg		11/09/21 09:41	11/19/21 21:05	1
PCB-1242	ND		32	5.7	ug/Kg		11/09/21 09:41	11/19/21 21:05	1
PCB-1248	ND		32	2.4	ug/Kg		11/09/21 09:41	11/19/21 21:05	1
PCB-1254	ND		32	3.7	ug/Kg		11/09/21 09:41	11/19/21 21:05	1
PCB-1260	ND		32	2.6	ug/Kg		11/09/21 09:41	11/19/21 21:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*35*	*S1-*	*52 - 138*	*11/09/21 09:41*	*11/19/21 21:05*	*1*
Tetrachloro-m-xylene	*40*	*S1-*	*56 - 114*	*11/09/21 09:41*	*11/19/21 21:05*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**13**		0.98	0.25	mg/Kg		11/03/21 13:32	11/04/21 11:07	1
Arsenic	**3.2**		2.0	1.3	mg/Kg		11/03/21 13:32	11/04/21 11:07	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S1G-2
Date Collected: 10/28/21 11:22
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-43
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
Aldrin	ND		1.6	0.13	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
Chlordane (technical)	ND		19	9.0	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
delta-BHC	ND		1.6	0.34	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
Endosulfan sulfate	ND		1.6	0.34	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
Endrin	ND		1.6	0.19	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
Endrin aldehyde	ND		1.6	0.55	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
trans-Chlordane	ND		1.6	0.58	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
Methoxychlor	ND		3.3	0.54	ug/Kg		11/09/21 09:28	11/29/21 20:09	1
Toxaphene	ND		64	22	ug/Kg		11/09/21 09:28	11/29/21 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*42*	*S1-*	*46 - 109*	*11/09/21 09:28*	*11/29/21 20:09*	*1*
DCB Decachlorobiphenyl	*42*	*S1-*	*46 - 109*	*11/09/21 09:28*	*11/29/21 20:09*	*1*
Tetrachloro-m-xylene	*66*		*47 - 107*	*11/09/21 09:28*	*11/29/21 20:09*	*1*
Tetrachloro-m-xylene	*66*		*47 - 107*	*11/09/21 09:28*	*11/29/21 20:09*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S1H-0.5

Date Collected: 10/28/21 11:24
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-44

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	4.4	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
4,4'-DDE	ND		33	4.0	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
4,4'-DDT	ND		33	4.8	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
Aldrin	ND		33	2.7	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
alpha-BHC	ND		33	3.1	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
cis-Chlordane	ND		33	3.5	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
beta-BHC	ND		33	4.2	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
Chlordane (technical)	ND		390	180	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
delta-BHC	ND		33	6.7	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
Dieldrin	ND		33	3.9	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
Endosulfan I	ND		33	3.5	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
Endosulfan II	ND		33	3.5	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
Endosulfan sulfate	ND		33	6.7	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
Endrin	ND		33	3.9	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
Endrin aldehyde	ND		33	11	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
Endrin ketone	ND		33	5.2	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
trans-Chlordane	ND		33	12	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
gamma-BHC (Lindane)	ND		33	2.7	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
Heptachlor	ND		33	2.9	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
Heptachlor epoxide	ND		33	3.5	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
Methoxychlor	ND		65	11	ug/Kg		11/09/21 09:28	11/29/21 20:28	20
Toxaphene	ND		1300	430	ug/Kg		11/09/21 09:28	11/29/21 20:28	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*133*	*S1+*	*46 - 109*	*11/09/21 09:28*	*11/29/21 20:28*	*20*
DCB Decachlorobiphenyl	*56*		*46 - 109*	*11/09/21 09:28*	*11/29/21 20:28*	*20*
Tetrachloro-m-xylene	*112*	*S1+*	*47 - 107*	*11/09/21 09:28*	*11/29/21 20:28*	*20*
Tetrachloro-m-xylene	*68*		*47 - 107*	*11/09/21 09:28*	*11/29/21 20:28*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/09/21 09:41	11/19/21 21:25	1
PCB-1221	ND		32	3.5	ug/Kg		11/09/21 09:41	11/19/21 21:25	1
PCB-1232	ND		32	4.6	ug/Kg		11/09/21 09:41	11/19/21 21:25	1
PCB-1242	ND		32	5.7	ug/Kg		11/09/21 09:41	11/19/21 21:25	1
PCB-1248	ND		32	2.3	ug/Kg		11/09/21 09:41	11/19/21 21:25	1
PCB-1254	ND		32	3.7	ug/Kg		11/09/21 09:41	11/19/21 21:25	1
PCB-1260	ND		32	2.6	ug/Kg		11/09/21 09:41	11/19/21 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*47*	*S1-*	*52 - 138*	*11/09/21 09:41*	*11/19/21 21:25*	*1*
Tetrachloro-m-xylene	*52*	*S1-*	*56 - 114*	*11/09/21 09:41*	*11/19/21 21:25*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**79**		0.97	0.25	mg/Kg		11/03/21 13:32	11/04/21 11:20	1
Arsenic	**8.4**		1.9	1.3	mg/Kg		11/03/21 13:32	11/04/21 11:20	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S1H-2
Date Collected: 10/28/21 11:25
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-45
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
Aldrin	ND		1.6	0.13	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
Chlordane (technical)	ND		19	8.9	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
delta-BHC	ND		1.6	0.33	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
Endosulfan sulfate	ND		1.6	0.33	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
Endrin	ND		1.6	0.19	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
Endrin aldehyde	ND		1.6	0.54	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
trans-Chlordane	ND		1.6	0.57	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
Methoxychlor	ND		3.2	0.53	ug/Kg		11/09/21 09:28	11/29/21 20:47	1
Toxaphene	ND		63	21	ug/Kg		11/09/21 09:28	11/29/21 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*36*	*S1-*	*46 - 109*	*11/09/21 09:28*	*11/29/21 20:47*	*1*
DCB Decachlorobiphenyl	*35*	*S1-*	*46 - 109*	*11/09/21 09:28*	*11/29/21 20:47*	*1*
Tetrachloro-m-xylene	*55*		*47 - 107*	*11/09/21 09:28*	*11/29/21 20:47*	*1*
Tetrachloro-m-xylene	*55*		*47 - 107*	*11/09/21 09:28*	*11/29/21 20:47*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S5H-0.5

Date Collected: 10/28/21 11:57
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-46

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		32	4.3	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
4,4'-DDE	ND		32	3.9	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
4,4'-DDT	ND		32	4.7	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
Aldrin	ND		32	2.6	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
alpha-BHC	ND		32	3.0	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
cis-Chlordane	ND		32	3.4	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
beta-BHC	ND		32	4.1	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
Chlordane (technical)	ND		380	180	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
delta-BHC	ND		32	6.6	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
Dieldrin	ND		32	3.8	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
Endosulfan I	ND		32	3.4	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
Endosulfan II	ND		32	3.4	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
Endosulfan sulfate	ND		32	6.6	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
Endrin	ND		32	3.8	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
Endrin aldehyde	ND		32	11	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
Endrin ketone	ND		32	5.1	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
trans-Chlordane	ND		32	11	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
gamma-BHC (Lindane)	ND		32	2.6	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
Heptachlor	ND		32	2.8	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
Heptachlor epoxide	ND		32	3.4	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
Methoxychlor	ND		64	11	ug/Kg		11/09/21 09:28	11/29/21 21:06	20
Toxaphene	ND		1300	420	ug/Kg		11/09/21 09:28	11/29/21 21:06	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*46 - 109*	*11/09/21 09:28*	*11/29/21 21:06*	*20*
DCB Decachlorobiphenyl	*81*		*46 - 109*	*11/09/21 09:28*	*11/29/21 21:06*	*20*
Tetrachloro-m-xylene	*110*	*S1+*	*47 - 107*	*11/09/21 09:28*	*11/29/21 21:06*	*20*
Tetrachloro-m-xylene	*66*		*47 - 107*	*11/09/21 09:28*	*11/29/21 21:06*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		31	2.4	ug/Kg		11/09/21 09:41	11/19/21 21:45	1
PCB-1221	ND		31	3.4	ug/Kg		11/09/21 09:41	11/19/21 21:45	1
PCB-1232	ND		31	4.5	ug/Kg		11/09/21 09:41	11/19/21 21:45	1
PCB-1242	ND		31	5.5	ug/Kg		11/09/21 09:41	11/19/21 21:45	1
PCB-1248	ND		31	2.3	ug/Kg		11/09/21 09:41	11/19/21 21:45	1
PCB-1254	ND		31	3.6	ug/Kg		11/09/21 09:41	11/19/21 21:45	1
PCB-1260	ND		31	2.5	ug/Kg		11/09/21 09:41	11/19/21 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*41*	*S1-*	*52 - 138*	*11/09/21 09:41*	*11/19/21 21:45*	*1*
Tetrachloro-m-xylene	*47*	*S1-*	*56 - 114*	*11/09/21 09:41*	*11/19/21 21:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**670**		0.97	0.25	mg/Kg		11/03/21 13:32	11/04/21 11:25	1
Arsenic	**9.1**		1.9	1.3	mg/Kg		11/03/21 13:32	11/04/21 11:25	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S5H-2
Date Collected: 10/28/21 11:59
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-47
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
Aldrin	ND		1.6	0.13	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
Chlordane (technical)	ND		19	8.9	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
delta-BHC	ND		1.6	0.33	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
Endosulfan sulfate	ND		1.6	0.33	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
Endrin	ND		1.6	0.19	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
Endrin aldehyde	ND		1.6	0.54	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
trans-Chlordane	ND		1.6	0.57	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
Methoxychlor	ND		3.2	0.53	ug/Kg		11/09/21 09:28	11/29/21 21:25	1
Toxaphene	ND		63	21	ug/Kg		11/09/21 09:28	11/29/21 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*46 - 109*	*11/09/21 09:28*	*11/29/21 21:25*	*1*
DCB Decachlorobiphenyl	*46*		*46 - 109*	*11/09/21 09:28*	*11/29/21 21:25*	*1*
Tetrachloro-m-xylene	*60*		*47 - 107*	*11/09/21 09:28*	*11/29/21 21:25*	*1*
Tetrachloro-m-xylene	*59*		*47 - 107*	*11/09/21 09:28*	*11/29/21 21:25*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S4H-0.5

Date Collected: 10/28/21 12:00
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-48

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		17	2.2	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
4,4'-DDE	ND		17	2.0	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
4,4'-DDT	ND		17	2.4	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
Aldrin	ND		17	1.4	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
alpha-BHC	ND		17	1.6	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
cis-Chlordane	ND		17	1.8	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
beta-BHC	ND		17	2.1	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
Chlordane (technical)	ND		190	91	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
delta-BHC	ND		17	3.4	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
Dieldrin	ND		17	1.9	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
Endosulfan I	ND		17	1.8	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
Endosulfan II	ND		17	1.8	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
Endosulfan sulfate	ND		17	3.4	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
Endrin	ND		17	1.9	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
Endrin aldehyde	ND		17	5.5	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
Endrin ketone	ND		17	2.6	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
trans-Chlordane	ND		17	5.8	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
gamma-BHC (Lindane)	ND		17	1.4	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
Heptachlor	ND		17	1.5	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
Heptachlor epoxide	ND		17	1.8	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
Methoxychlor	ND		33	5.5	ug/Kg		11/09/21 09:28	11/29/21 21:43	10
Toxaphene	ND		650	220	ug/Kg		11/09/21 09:28	11/29/21 21:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*46 - 109*	*11/09/21 09:28*	*11/29/21 21:43*	*10*
DCB Decachlorobiphenyl	*53*		*46 - 109*	*11/09/21 09:28*	*11/29/21 21:43*	*10*
Tetrachloro-m-xylene	*82*		*47 - 107*	*11/09/21 09:28*	*11/29/21 21:43*	*10*
Tetrachloro-m-xylene	*65*		*47 - 107*	*11/09/21 09:28*	*11/29/21 21:43*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/09/21 09:41	11/19/21 22:05	1
PCB-1221	ND		32	3.5	ug/Kg		11/09/21 09:41	11/19/21 22:05	1
PCB-1232	ND		32	4.7	ug/Kg		11/09/21 09:41	11/19/21 22:05	1
PCB-1242	ND		32	5.7	ug/Kg		11/09/21 09:41	11/19/21 22:05	1
PCB-1248	ND		32	2.4	ug/Kg		11/09/21 09:41	11/19/21 22:05	1
PCB-1254	ND		32	3.7	ug/Kg		11/09/21 09:41	11/19/21 22:05	1
PCB-1260	ND		32	2.6	ug/Kg		11/09/21 09:41	11/19/21 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*43*	*S1-*	*52 - 138*	*11/09/21 09:41*	*11/19/21 22:05*	*1*
Tetrachloro-m-xylene	*48*	*S1-*	*56 - 114*	*11/09/21 09:41*	*11/19/21 22:05*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**94**		0.95	0.25	mg/Kg		11/03/21 13:32	11/04/21 11:29	1
Arsenic	**2.7**		1.9	1.2	mg/Kg		11/03/21 13:32	11/04/21 11:29	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S4H-2
Date Collected: 10/28/21 12:02
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-49
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
Aldrin	ND		1.7	0.14	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
Chlordane (technical)	ND		20	9.3	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
delta-BHC	ND		1.7	0.34	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
Endosulfan sulfate	ND		1.7	0.34	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
Endrin	ND		1.7	0.20	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
trans-Chlordane	ND		1.7	0.59	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
Methoxychlor	ND		3.4	0.55	ug/Kg		11/09/21 09:28	11/29/21 22:02	1
Toxaphene	ND		66	22	ug/Kg		11/09/21 09:28	11/29/21 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*46 - 109*	*11/09/21 09:28*	*11/29/21 22:02*	*1*
DCB Decachlorobiphenyl	*56*		*46 - 109*	*11/09/21 09:28*	*11/29/21 22:02*	*1*
Tetrachloro-m-xylene	*64*		*47 - 107*	*11/09/21 09:28*	*11/29/21 22:02*	*1*
Tetrachloro-m-xylene	*64*		*47 - 107*	*11/09/21 09:28*	*11/29/21 22:02*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S3H-0.5

Date Collected: 10/28/21 12:04
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-50

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	4.5	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
4,4'-DDE	ND		33	4.1	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
4,4'-DDT	ND		33	4.9	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
Aldrin	ND		33	2.7	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
alpha-BHC	ND		33	3.1	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
cis-Chlordane	ND		33	3.5	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
beta-BHC	ND		33	4.3	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
Chlordane (technical)	ND		390	180	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
delta-BHC	ND		33	6.9	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
Dieldrin	ND		33	3.9	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
Endosulfan I	ND		33	3.5	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
Endosulfan II	ND		33	3.5	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
Endosulfan sulfate	ND		33	6.9	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
Endrin	ND		33	3.9	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
Endrin aldehyde	ND		33	11	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
Endrin ketone	ND		33	5.3	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
trans-Chlordane	ND		33	12	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
gamma-BHC (Lindane)	ND		33	2.7	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
Heptachlor	ND		33	2.9	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
Heptachlor epoxide	ND		33	3.5	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
Methoxychlor	ND		67	11	ug/Kg		11/09/21 09:28	11/29/21 22:21	20
Toxaphene	ND		1300	440	ug/Kg		11/09/21 09:28	11/29/21 22:21	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*46 - 109*	*11/09/21 09:28*	*11/29/21 22:21*	*20*
DCB Decachlorobiphenyl	*32*	*S1-*	*46 - 109*	*11/09/21 09:28*	*11/29/21 22:21*	*20*
Tetrachloro-m-xylene	*102*		*47 - 107*	*11/09/21 09:28*	*11/29/21 22:21*	*20*
Tetrachloro-m-xylene	*59*		*47 - 107*	*11/09/21 09:28*	*11/29/21 22:21*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/09/21 09:41	11/19/21 22:25	1
PCB-1221	ND		32	3.6	ug/Kg		11/09/21 09:41	11/19/21 22:25	1
PCB-1232	ND		32	4.7	ug/Kg		11/09/21 09:41	11/19/21 22:25	1
PCB-1242	ND		32	5.8	ug/Kg		11/09/21 09:41	11/19/21 22:25	1
PCB-1248	ND		32	2.4	ug/Kg		11/09/21 09:41	11/19/21 22:25	1
PCB-1254	ND		32	3.7	ug/Kg		11/09/21 09:41	11/19/21 22:25	1
PCB-1260	ND		32	2.6	ug/Kg		11/09/21 09:41	11/19/21 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*36*	*S1-*	*52 - 138*	*11/09/21 09:41*	*11/19/21 22:25*	*1*
Tetrachloro-m-xylene	*40*	*S1-*	*56 - 114*	*11/09/21 09:41*	*11/19/21 22:25*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**150**		0.99	0.26	mg/Kg		11/03/21 13:32	11/04/21 11:33	1
Arsenic	**9.7**		2.0	1.3	mg/Kg		11/03/21 13:32	11/04/21 11:33	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S3H-2
Date Collected: 10/28/21 12:06
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-51
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
Aldrin	ND		1.6	0.13	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
Chlordane (technical)	ND		19	9.0	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
delta-BHC	ND		1.6	0.33	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
Endosulfan sulfate	ND		1.6	0.33	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
Endrin	ND		1.6	0.19	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
Endrin aldehyde	ND		1.6	0.55	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
trans-Chlordane	ND		1.6	0.57	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
Methoxychlor	ND		3.3	0.54	ug/Kg		11/09/21 09:28	11/29/21 22:40	1
Toxaphene	ND		64	21	ug/Kg		11/09/21 09:28	11/29/21 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*49*		*46 - 109*	*11/09/21 09:28*	*11/29/21 22:40*	*1*
DCB Decachlorobiphenyl	*51*		*46 - 109*	*11/09/21 09:28*	*11/29/21 22:40*	*1*
Tetrachloro-m-xylene	*72*		*47 - 107*	*11/09/21 09:28*	*11/29/21 22:40*	*1*
Tetrachloro-m-xylene	*65*		*47 - 107*	*11/09/21 09:28*	*11/29/21 22:40*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S4I-0.5

Date Collected: 10/28/21 12:15
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-52

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
Aldrin	ND		16	1.4	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
alpha-BHC	ND		16	1.5	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
beta-BHC	ND		16	2.1	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
Chlordane (technical)	ND		190	91	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
delta-BHC	ND		16	3.4	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
Dieldrin	ND		16	1.9	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
Endosulfan I	ND		16	1.7	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
Endosulfan II	ND		16	1.7	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
Endosulfan sulfate	ND		16	3.4	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
Endrin	ND		16	1.9	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
Endrin aldehyde	ND		16	5.5	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
Endrin ketone	ND		16	2.6	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
trans-Chlordane	ND		16	5.8	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
gamma-BHC (Lindane)	ND		16	1.4	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
Heptachlor	ND		16	1.4	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
Methoxychlor	ND		33	5.4	ug/Kg		11/09/21 11:27	11/24/21 23:47	10
Toxaphene	ND		650	220	ug/Kg		11/09/21 11:27	11/24/21 23:47	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*46 - 109*	*11/09/21 11:27*	*11/24/21 23:47*	*10*
DCB Decachlorobiphenyl	*45*	*S1-*	*46 - 109*	*11/09/21 11:27*	*11/24/21 23:47*	*10*
Tetrachloro-m-xylene	*113*	*S1+*	*47 - 107*	*11/09/21 11:27*	*11/24/21 23:47*	*10*
Tetrachloro-m-xylene	*82*		*47 - 107*	*11/09/21 11:27*	*11/24/21 23:47*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/09/21 11:44	11/18/21 20:25	1
PCB-1221	ND		32	3.5	ug/Kg		11/09/21 11:44	11/18/21 20:25	1
PCB-1232	ND		32	4.6	ug/Kg		11/09/21 11:44	11/18/21 20:25	1
PCB-1242	ND		32	5.7	ug/Kg		11/09/21 11:44	11/18/21 20:25	1
PCB-1248	ND		32	2.4	ug/Kg		11/09/21 11:44	11/18/21 20:25	1
PCB-1254	ND		32	3.7	ug/Kg		11/09/21 11:44	11/18/21 20:25	1
PCB-1260	ND		32	2.6	ug/Kg		11/09/21 11:44	11/18/21 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*39*	*S1-*	*52 - 138*	*11/09/21 11:44*	*11/18/21 20:25*	*1*
Tetrachloro-m-xylene	*46*	*S1-*	*56 - 114*	*11/09/21 11:44*	*11/18/21 20:25*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**16**		0.98	0.25	mg/Kg		11/03/21 13:32	11/04/21 11:38	1
Arsenic	**9.0**		2.0	1.3	mg/Kg		11/03/21 13:32	11/04/21 11:38	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S4I-2
Date Collected: 10/28/21 12:17
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-53
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.1	1.1	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
4,4'-DDE	ND		8.1	1.0	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
4,4'-DDT	ND		8.1	1.2	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
Aldrin	ND		8.1	0.67	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
alpha-BHC	ND		8.1	0.77	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
cis-Chlordane	ND		8.1	0.86	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
beta-BHC	ND		8.1	1.1	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
Chlordane (technical)	ND		96	45	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
delta-BHC	ND		8.1	1.7	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
Dieldrin	ND		8.1	0.96	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
Endosulfan I	ND		8.1	0.86	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
Endosulfan II	ND		8.1	0.86	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
Endosulfan sulfate	ND		8.1	1.7	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
Endrin	ND		8.1	0.96	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
Endrin aldehyde	ND		8.1	2.7	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
Endrin ketone	ND		8.1	1.3	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
trans-Chlordane	ND		8.1	2.9	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
gamma-BHC (Lindane)	ND		8.1	0.67	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
Heptachlor	ND		8.1	0.72	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
Heptachlor epoxide	ND		8.1	0.86	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
Methoxychlor	ND		16	2.7	ug/Kg		11/09/21 11:27	11/25/21 00:06	5
Toxaphene	ND		320	110	ug/Kg		11/09/21 11:27	11/25/21 00:06	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*46 - 109*	*11/09/21 11:27*	*11/25/21 00:06*	*5*
DCB Decachlorobiphenyl	*54*		*46 - 109*	*11/09/21 11:27*	*11/25/21 00:06*	*5*
Tetrachloro-m-xylene	*89*		*47 - 107*	*11/09/21 11:27*	*11/25/21 00:06*	*5*
Tetrachloro-m-xylene	*78*		*47 - 107*	*11/09/21 11:27*	*11/25/21 00:06*	*5*

Client Sample ID: AOC3-S5I-0.5

Date Collected: 10/28/21 12:26
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-54

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND	F1 F2	16	2.2	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
4,4'-DDE	ND	F1 F2	16	2.0	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
4,4'-DDT	ND	F1 F2	16	2.4	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
Aldrin	ND	F1 F2	16	1.3	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
alpha-BHC	ND	F2	16	1.5	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
cis-Chlordane	ND	F1 F2	16	1.7	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
beta-BHC	ND	F2	16	2.1	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
Chlordane (technical)	ND		190	90	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
delta-BHC	ND	F2	16	3.3	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
Dieldrin	ND	F1	16	1.9	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
Endosulfan I	ND	F1	16	1.7	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
Endosulfan II	ND	F1 F2	16	1.7	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
Endosulfan sulfate	ND	F1 F2	16	3.3	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
Endrin	ND	F1 F2	16	1.9	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
Endrin aldehyde	ND	F1	16	5.4	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
Endrin ketone	ND		16	2.6	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
trans-Chlordane	ND	F1 F2	16	5.7	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
gamma-BHC (Lindane)	ND	F2	16	1.3	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
Heptachlor	ND	F2	16	1.4	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
Heptachlor epoxide	ND	F1 F2	16	1.7	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
Methoxychlor	ND	F1 F2	32	5.3	ug/Kg		11/09/21 11:27	11/25/21 00:25	10
Toxaphene	ND		640	210	ug/Kg		11/09/21 11:27	11/25/21 00:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*31*	*S1-*	*46 - 109*	*11/09/21 11:27*	*11/25/21 00:25*	*10*
DCB Decachlorobiphenyl	*48*		*46 - 109*	*11/09/21 11:27*	*11/25/21 00:25*	*10*
Tetrachloro-m-xylene	*98*		*47 - 107*	*11/09/21 11:27*	*11/25/21 00:25*	*10*
Tetrachloro-m-xylene	*76*		*47 - 107*	*11/09/21 11:27*	*11/25/21 00:25*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		31	2.4	ug/Kg		11/09/21 11:44	11/18/21 20:45	1
PCB-1221	ND		31	3.5	ug/Kg		11/09/21 11:44	11/18/21 20:45	1
PCB-1232	ND		31	4.6	ug/Kg		11/09/21 11:44	11/18/21 20:45	1
PCB-1242	ND		31	5.6	ug/Kg		11/09/21 11:44	11/18/21 20:45	1
PCB-1248	ND		31	2.3	ug/Kg		11/09/21 11:44	11/18/21 20:45	1
PCB-1254	ND		31	3.6	ug/Kg		11/09/21 11:44	11/18/21 20:45	1
PCB-1260	ND		31	2.6	ug/Kg		11/09/21 11:44	11/18/21 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*44*	*S1-*	*52 - 138*	*11/09/21 11:44*	*11/18/21 20:45*	*1*
Tetrachloro-m-xylene	*51*	*S1-*	*56 - 114*	*11/09/21 11:44*	*11/18/21 20:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**80**		0.98	0.25	mg/Kg		11/03/21 13:32	11/04/21 11:42	1
Arsenic	**4.3**		2.0	1.3	mg/Kg		11/03/21 13:32	11/04/21 11:42	1

Client Sample ID: AOC3-S5I-2

Date Collected: 10/28/21 12:28
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-55

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.4	1.1	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
4,4'-DDE	ND		8.4	1.0	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
4,4'-DDT	ND		8.4	1.2	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
Aldrin	ND		8.4	0.69	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
alpha-BHC	ND		8.4	0.79	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
cis-Chlordane	ND		8.4	0.89	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
beta-BHC	ND		8.4	1.1	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
Chlordane (technical)	ND		98	46	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
delta-BHC	ND		8.4	1.7	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
Dieldrin	ND		8.4	0.98	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
Endosulfan I	ND		8.4	0.89	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
Endosulfan II	ND		8.4	0.89	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
Endosulfan sulfate	ND		8.4	1.7	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
Endrin	ND		8.4	0.98	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
Endrin aldehyde	ND		8.4	2.8	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
Endrin ketone	ND		8.4	1.3	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
trans-Chlordane	ND		8.4	3.0	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
gamma-BHC (Lindane)	ND		8.4	0.69	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
Heptachlor	ND		8.4	0.74	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
Heptachlor epoxide	ND		8.4	0.89	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
Methoxychlor	ND		17	2.8	ug/Kg		11/09/21 11:27	11/26/21 23:34	5
Toxaphene	ND		330	110	ug/Kg		11/09/21 11:27	11/26/21 23:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*46 - 109*	*11/09/21 11:27*	*11/26/21 23:34*	*5*
DCB Decachlorobiphenyl	*16*	*S1-*	*46 - 109*	*11/09/21 11:27*	*11/26/21 23:34*	*5*
Tetrachloro-m-xylene	*55*		*47 - 107*	*11/09/21 11:27*	*11/26/21 23:34*	*5*
Tetrachloro-m-xylene	*37*	*S1-*	*47 - 107*	*11/09/21 11:27*	*11/26/21 23:34*	*5*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: EB10282021

Date Collected: 10/28/21 12:50
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-56

Matrix: Water

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.024	0.0058	ug/L		11/04/21 13:37	11/13/21 01:19	1
4,4'-DDE	ND		0.024	0.0058	ug/L		11/04/21 13:37	11/13/21 01:19	1
4,4'-DDT	ND		0.024	0.0058	ug/L		11/04/21 13:37	11/13/21 01:19	1
Aldrin	ND		0.024	0.0029	ug/L		11/04/21 13:37	11/13/21 01:19	1
alpha-BHC	ND		0.024	0.0034	ug/L		11/04/21 13:37	11/13/21 01:19	1
beta-BHC	ND		0.024	0.0077	ug/L		11/04/21 13:37	11/13/21 01:19	1
gamma-BHC (Lindane)	ND		0.024	0.0063	ug/L		11/04/21 13:37	11/13/21 01:19	1
delta-BHC	ND		0.024	0.011	ug/L		11/04/21 13:37	11/13/21 01:19	1
cis-Chlordane	ND		0.024	0.011	ug/L		11/04/21 13:37	11/13/21 01:19	1
trans-Chlordane	ND		0.024	0.0058	ug/L		11/04/21 13:37	11/13/21 01:19	1
Dieldrin	ND		0.024	0.0058	ug/L		11/04/21 13:37	11/13/21 01:19	1
Endosulfan I	ND		0.024	0.0068	ug/L		11/04/21 13:37	11/13/21 01:19	1
Endosulfan II	ND		0.024	0.0058	ug/L		11/04/21 13:37	11/13/21 01:19	1
Endosulfan sulfate	ND		0.024	0.0058	ug/L		11/04/21 13:37	11/13/21 01:19	1
Endrin	ND		0.024	0.0058	ug/L		11/04/21 13:37	11/13/21 01:19	1
Endrin aldehyde	ND		0.048	0.012	ug/L		11/04/21 13:37	11/13/21 01:19	1
Endrin ketone	ND		0.048	0.0097	ug/L		11/04/21 13:37	11/13/21 01:19	1
Heptachlor	ND		0.024	0.0034	ug/L		11/04/21 13:37	11/13/21 01:19	1
Heptachlor epoxide	ND		0.024	0.0068	ug/L		11/04/21 13:37	11/13/21 01:19	1
Methoxychlor	ND		0.048	0.020	ug/L		11/04/21 13:37	11/13/21 01:19	1
Toxaphene	ND		0.97	0.25	ug/L		11/04/21 13:37	11/13/21 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*44 - 114*	*11/04/21 13:37*	*11/13/21 01:19*	*1*
Tetrachloro-m-xylene	*76*		*44 - 114*	*11/04/21 13:37*	*11/13/21 01:19*	*1*
DCB Decachlorobiphenyl	*51*		*12 - 131*	*11/04/21 13:37*	*11/13/21 01:19*	*1*
DCB Decachlorobiphenyl	*66*		*12 - 131*	*11/04/21 13:37*	*11/13/21 01:19*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48	0.073	ug/L		11/04/21 13:35	11/15/21 18:25	1
PCB-1221	ND		0.48	0.26	ug/L		11/04/21 13:35	11/15/21 18:25	1
PCB-1232	ND		0.48	0.077	ug/L		11/04/21 13:35	11/15/21 18:25	1
PCB-1242	ND		0.48	0.12	ug/L		11/04/21 13:35	11/15/21 18:25	1
PCB-1248	ND		0.48	0.12	ug/L		11/04/21 13:35	11/15/21 18:25	1
PCB-1254	ND		0.48	0.092	ug/L		11/04/21 13:35	11/15/21 18:25	1
PCB-1260	ND		0.48	0.11	ug/L		11/04/21 13:35	11/15/21 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*29 - 128*	*11/04/21 13:35*	*11/15/21 18:25*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.010	0.0058	mg/L		11/10/21 14:08	11/12/21 17:25	1
Arsenic	ND		0.10	0.022	mg/L		11/10/21 14:08	11/12/21 17:25	1
Barium	ND		0.010	0.0016	mg/L		11/10/21 14:08	11/12/21 17:25	1
Beryllium	ND		0.010	0.0026	mg/L		11/10/21 14:08	11/12/21 17:25	1
Cadmium	ND		0.010	0.0012	mg/L		11/10/21 14:08	11/12/21 17:25	1
Cobalt	ND		0.050	0.0023	mg/L		11/10/21 14:08	11/12/21 17:25	1
Chromium	ND		0.050	0.0086	mg/L		11/10/21 14:08	11/12/21 17:25	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: EB10282021
Date Collected: 10/28/21 12:50
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-56
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		0.050	0.0085	mg/L		11/10/21 14:08	11/12/21 17:25	1
Molybdenum	ND		0.050	0.024	mg/L		11/10/21 14:08	11/12/21 17:25	1
Nickel	ND		0.050	0.0045	mg/L		11/10/21 14:08	11/12/21 17:25	1
Antimony	ND		0.10	0.021	mg/L		11/10/21 14:08	11/12/21 17:25	1
Selenium	ND		0.10	0.034	mg/L		11/10/21 14:08	11/12/21 17:25	1
Thallium	ND		0.050	0.019	mg/L		11/10/21 14:08	11/12/21 17:25	1
Vanadium	ND		0.010	0.0017	mg/L		11/10/21 14:08	11/12/21 17:25	1
Zinc	ND		0.25	0.014	mg/L		11/10/21 14:08	11/12/21 17:25	1
Lead	ND		0.050	0.0080	mg/L		11/10/21 14:08	11/12/21 17:25	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00050	0.00014	mg/L		11/12/21 06:21	11/12/21 12:52	1

Surrogate Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (46-109)	DCBP2 (46-109)	TCX1 (47-107)	TCX2 (47-107)
320-81042-1	AOC3-S6D-0.5	70	50	113 S1+	68
320-81042-2	AOC3-S6D-2	54	53	80	72
320-81042-3	AOC3-S5D--0.5	70	55	115 S1+	73
320-81042-4	AOC3-S5D-2	50	55	78	62
320-81042-5	AOC3-S5E-0.5	58	49	97	57
320-81042-6	AOC3-S5E-2	50	42 S1-	70	68
320-81042-7	AOC3/AOC8-S6E-0.5	78	54	111 S1+	70
320-81042-8	AOC3/AOC8-S6E-2	35 S1-	44 S1-	62	59
320-81042-9	AOC3-S8E-0.5	64	59	89	64
320-81042-10	AOC3-S8E-2	56	44 S1-	76	67
320-81042-11	AOC3-S7E-2	34 S1-	47	60	57
320-81042-12	AOC3-S9E-0.5	51	67	106	66
320-81042-13	AOC3-S9E-0.5 DUP	69	58	116 S1+	67
320-81042-14	AOC3-S9E-2	37 S1-	45 S1-	62	60
320-81042-15	AOC3-S7E-0.5	55	50	112 S1+	64
320-81042-16	AOC3-S6F-0.5	79	65	116 S1+	72
320-81042-16 MS	AOC3-S6F-0.5	73		93	
320-81042-16 MSD	AOC3-S6F-0.5	88		105	
320-81042-17	AOC3-S6F-2	41 S1-	42 S1-	75	69
320-81042-18	AOC3-S6G-0.5	0 S1-	0 S1-	80	39 S1-
320-81042-18 MS	AOC3-S6G-0.5	0 S1-		79	
320-81042-18 MSD	AOC3-S6G-0.5	307 S1+		80	
320-81042-19	AOC3-S6G-2	0 S1-	0 S1-	85	44 S1-
320-81042-20	AOC3-S5F-0.5	0 S1-	0 S1-	77	32 S1-
320-81042-21	AOC3-S5F-2	66	51	59	51
320-81042-22	AOC3-S4F-0.5	0 S1-	0 S1-	80	29 S1-
320-81042-23	AOC3-S4F-2	121 S1+	44 S1-	94	60
320-81042-24	AOC3-S3F-0.5	0 S1-	0 S1-	0 S1-	0 S1-
320-81042-25	AOC3-S3F-2	59	54	72	60
320-81042-26	AOC3/AOC8-S3G-0.5	0 S1-	0 S1-	82	46 S1-
320-81042-27	AOC3/AOC8-S3G-2	66	40 S1-	68	46 S1-
320-81042-28	AOC3-S4G-0.5	0 S1-	0 S1-	0 S1-	0 S1-
320-81042-29	AOC3-S4G-2	69	47	65	53
320-81042-30	AOC3-S5G-0.5	0 S1-	0 S1-	0 S1-	0 S1-
320-81042-31	AOC3-S5G-2	74	51	64	53
320-81042-32	AOC3-S5G-2 DUP	85	47	59	50
320-81042-33	AOC3-S2G-0.5	0 S1-	0 S1-	86	40 S1-
320-81042-34	AOC3-S2G-2	63	61	68	57
320-81042-35	AOC3-S2H-0.5	295 S1+	3 S1-	89	31 S1-
320-81042-36	AOC3-S2H-2	81	45 S1-	66	37 S1-
320-81042-36 MS	AOC3-S2H-2	74		69	
320-81042-36 MSD	AOC3-S2H-2	68		61	
320-81042-37	AOC3-S2F-0.5	31 S1-	35 S1-	61	65
320-81042-38	AOC3-S2F-2	79	94	111 S1+	107
320-81042-39	AOC3-S2F-0.5 DUP	49	48	80	76
320-81042-40	AOC3-S1F-0.5	67	78	114 S1+	73
320-81042-41	AOC3-S1F-2	41 S1-	43 S1-	57	56
320-81042-42	AOC3-S1G-0.5	72	49	100	57
320-81042-43	AOC3-S1G-2	42 S1-	42 S1-	66	66

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(46-109)	(46-109)	(47-107)	(47-107)
320-81042-44	AOC3-S1H-0.5	133 S1+	56	112 S1+	68
320-81042-45	AOC3-S1H-2	36 S1-	35 S1-	55	55
320-81042-46	AOC3-S5H-0.5	94	81	110 S1+	66
320-81042-47	AOC3-S5H-2	51	46	60	59
320-81042-48	AOC3-S4H-0.5	61	53	82	65
320-81042-49	AOC3-S4H-2	57	56	64	64
320-81042-50	AOC3-S3H-0.5	56	32 S1-	102	59
320-81042-51	AOC3-S3H-2	49	51	72	65
320-81042-52	AOC3-S4I-0.5	93	45 S1-	113 S1+	82
320-81042-53	AOC3-S4I-2	65	54	89	78
320-81042-54	AOC3-S5I-0.5	31 S1-	48	98	76
320-81042-54 MS	AOC3-S5I-0.5	172 S1+		132 S1+	
320-81042-54 MSD	AOC3-S5I-0.5	100		89	
320-81042-55	AOC3-S5I-2	56	16 S1-	55	37 S1-
LCS 320-541017/2-A	Lab Control Sample	56		75	
LCS 320-541214/2-A	Lab Control Sample	59		63	
LCS 320-541224/2-A	Lab Control Sample	56		64	
LCS 320-541292/2-A	Lab Control Sample	47		73	
MB 320-541017/1-A	Method Blank	55	78	75	76
MB 320-541214/1-A	Method Blank	55	61	58	54
MB 320-541224/1-A	Method Blank	71	63	70	58
MB 320-541292/1-A	Method Blank	80	85	80	74

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCBP1	DCBP2
Lab Sample ID	Client Sample ID	(44-114)	(44-114)	(12-131)	(12-131)
320-81042-56	EB10282021	73	76	51	66
LCS 320-539998/2-A	Lab Control Sample	64		42	
LCSD 320-539998/3-A	Lab Control Sample Dup	69		52	
MB 320-539998/1-A	Method Blank	69	71	48	69

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2	TCX2
Lab Sample ID	Client Sample ID	(52-138)	(56-114)
320-81042-1	AOC3-S6D-0.5	53	68
320-81042-3	AOC3-S5D--0.5	59	75
320-81042-5	AOC3-S5E-0.5	48 S1-	63
320-81042-7	AOC3/AOC8-S6E-0.5	47 S1-	61

Surrogate Summary

Client: Ninyo & Moore
Job ID: 320-81042-1
Project/Site: Cole School PEA

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP2 (52-138)	TCX2 (56-114)
320-81042-9	AOC3-S8E-0.5	59	77
320-81042-12	AOC3-S9E-0.5	60	79
320-81042-13	AOC3-S9E-0.5 DUP	53	69
320-81042-15	AOC3-S7E-0.5	43 S1-	60
320-81042-15 MS	AOC3-S7E-0.5	49 S1-	69
320-81042-15 MSD	AOC3-S7E-0.5	48 S1-	69
320-81042-16	AOC3-S6F-0.5	53	60
320-81042-18	AOC3-S6G-0.5	82	83
320-81042-20	AOC3-S5F-0.5	65	73
320-81042-22	AOC3-S4F-0.5	74	82
320-81042-24	AOC3-S3F-0.5	94	98
320-81042-26	AOC3/AOC8-S3G-0.5	90	100
320-81042-28	AOC3-S4G-0.5	87	90
320-81042-30	AOC3-S5G-0.5	83	94
320-81042-33	AOC3-S2G-0.5	78	81
320-81042-35	AOC3-S2H-0.5	46 S1-	50 S1-
320-81042-37	AOC3-S2F-0.5	27 S1-	35 S1-
320-81042-39	AOC3-S2F-0.5 DUP	46 S1-	53 S1-
320-81042-40	AOC3-S1F-0.5	49 S1-	57
320-81042-42	AOC3-S1G-0.5	35 S1-	40 S1-
320-81042-44	AOC3-S1H-0.5	47 S1-	52 S1-
320-81042-46	AOC3-S5H-0.5	41 S1-	47 S1-
320-81042-48	AOC3-S4H-0.5	43 S1-	48 S1-
320-81042-50	AOC3-S3H-0.5	36 S1-	40 S1-
320-81042-52	AOC3-S4I-0.5	39 S1-	46 S1-
320-81042-54	AOC3-S5I-0.5	44 S1-	51 S1-
LCS 320-541026/2-A	Lab Control Sample	69	82
LCS 320-541215/2-A	Lab Control Sample	80	80
LCS 320-541228/2-A	Lab Control Sample	80	76
LCS 320-541298/2-A	Lab Control Sample	65	67
MB 320-541026/1-A	Method Blank	60	81
MB 320-541215/1-A	Method Blank	75	78
MB 320-541228/1-A	Method Blank	70	73
MB 320-541298/1-A	Method Blank	60	66

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DCBP1 (29-128)
320-81042-56	EB10282021	65
LCS 320-539996/2-A	Lab Control Sample	69
LCSD 320-539996/3-A	Lab Control Sample Dup	70
MB 320-539996/1-A	Method Blank	64

Surrogate Legend

Surrogate Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

DCBP = DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 320-539998/1-A
Matrix: Water
Analysis Batch: 542188

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539998

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.025	0.0060	ug/L		11/04/21 13:37	11/13/21 00:22	1
4,4'-DDE	ND		0.025	0.0060	ug/L		11/04/21 13:37	11/13/21 00:22	1
4,4'-DDT	ND		0.025	0.0060	ug/L		11/04/21 13:37	11/13/21 00:22	1
Aldrin	ND		0.025	0.0030	ug/L		11/04/21 13:37	11/13/21 00:22	1
alpha-BHC	ND		0.025	0.0035	ug/L		11/04/21 13:37	11/13/21 00:22	1
beta-BHC	ND		0.025	0.0080	ug/L		11/04/21 13:37	11/13/21 00:22	1
cis-Chlordane	ND		0.025	0.011	ug/L		11/04/21 13:37	11/13/21 00:22	1
delta-BHC	ND		0.025	0.012	ug/L		11/04/21 13:37	11/13/21 00:22	1
Dieldrin	ND		0.025	0.0060	ug/L		11/04/21 13:37	11/13/21 00:22	1
Endosulfan I	ND		0.025	0.0070	ug/L		11/04/21 13:37	11/13/21 00:22	1
Endosulfan II	ND		0.025	0.0060	ug/L		11/04/21 13:37	11/13/21 00:22	1
Endosulfan sulfate	ND		0.025	0.0060	ug/L		11/04/21 13:37	11/13/21 00:22	1
Endrin	ND		0.025	0.0060	ug/L		11/04/21 13:37	11/13/21 00:22	1
Endrin aldehyde	ND		0.050	0.013	ug/L		11/04/21 13:37	11/13/21 00:22	1
Endrin ketone	ND		0.050	0.010	ug/L		11/04/21 13:37	11/13/21 00:22	1
trans-Chlordane	ND		0.025	0.0060	ug/L		11/04/21 13:37	11/13/21 00:22	1
gamma-BHC (Lindane)	ND		0.025	0.0065	ug/L		11/04/21 13:37	11/13/21 00:22	1
Heptachlor	ND		0.025	0.0035	ug/L		11/04/21 13:37	11/13/21 00:22	1
Heptachlor epoxide	ND		0.025	0.0070	ug/L		11/04/21 13:37	11/13/21 00:22	1
Methoxychlor	ND		0.050	0.021	ug/L		11/04/21 13:37	11/13/21 00:22	1
Toxaphene	ND		1.0	0.26	ug/L		11/04/21 13:37	11/13/21 00:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*		*12 - 131*	*11/04/21 13:37*	*11/13/21 00:22*	*1*
DCB Decachlorobiphenyl	*69*		*12 - 131*	*11/04/21 13:37*	*11/13/21 00:22*	*1*
Tetrachloro-m-xylene	*69*		*44 - 114*	*11/04/21 13:37*	*11/13/21 00:22*	*1*
Tetrachloro-m-xylene	*71*		*44 - 114*	*11/04/21 13:37*	*11/13/21 00:22*	*1*

Lab Sample ID: LCS 320-539998/2-A
Matrix: Water
Analysis Batch: 542188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539998

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.500	0.386		ug/L		77	65 - 141
4,4'-DDE	0.500	0.371		ug/L		74	60 - 134
4,4'-DDT	0.500	0.376		ug/L		75	69 - 127
Aldrin	0.500	0.333		ug/L		67	56 - 119
alpha-BHC	0.500	0.355		ug/L		71	63 - 137
beta-BHC	0.500	0.373		ug/L		75	64 - 125
cis-Chlordane	0.500	0.364		ug/L		73	63 - 127
delta-BHC	0.500	0.373		ug/L		75	61 - 140
Dieldrin	0.500	0.375		ug/L		75	63 - 135
Endosulfan I	0.500	0.301		ug/L		60	37 - 133
Endosulfan II	0.500	0.350		ug/L		70	54 - 126
Endosulfan sulfate	0.500	0.381		ug/L		76	59 - 124
Endrin	0.500	0.372		ug/L		74	67 - 136
Endrin aldehyde	0.500	0.352		ug/L		70	41 - 112
Endrin ketone	0.500	0.367		ug/L		73	57 - 128

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 320-539998/2-A
Matrix: Water
Analysis Batch: 542188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539998

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-Chlordane	0.500	0.346		ug/L		69	59 - 128
gamma-BHC (Lindane)	0.500	0.363		ug/L		73	68 - 135
Heptachlor	0.500	0.329		ug/L		66	63 - 126
Heptachlor epoxide	0.500	0.357		ug/L		71	67 - 129
Methoxychlor	0.500	0.370		ug/L		74	71 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*42*		*12 - 131*
Tetrachloro-m-xylene	*64*		*44 - 114*

Lab Sample ID: LCSD 320-539998/3-A
Matrix: Water
Analysis Batch: 542188

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 539998

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.500	0.421		ug/L		84	65 - 141	9	30
4,4'-DDE	0.500	0.401		ug/L		80	60 - 134	8	30
4,4'-DDT	0.500	0.409		ug/L		82	69 - 127	8	30
Aldrin	0.500	0.362		ug/L		72	56 - 119	8	30
alpha-BHC	0.500	0.390		ug/L		78	63 - 137	9	30
beta-BHC	0.500	0.400		ug/L		80	64 - 125	7	30
cis-Chlordane	0.500	0.393		ug/L		79	63 - 127	8	30
delta-BHC	0.500	0.401		ug/L		80	61 - 140	7	30
Dieldrin	0.500	0.404		ug/L		81	63 - 135	7	30
Endosulfan I	0.500	0.326		ug/L		65	37 - 133	8	30
Endosulfan II	0.500	0.380		ug/L		76	54 - 126	8	30
Endosulfan sulfate	0.500	0.422		ug/L		84	59 - 124	10	30
Endrin	0.500	0.401		ug/L		80	67 - 136	8	30
Endrin aldehyde	0.500	0.389		ug/L		78	41 - 112	10	30
Endrin ketone	0.500	0.401		ug/L		80	57 - 128	9	30
trans-Chlordane	0.500	0.370		ug/L		74	59 - 128	7	30
gamma-BHC (Lindane)	0.500	0.396		ug/L		79	68 - 135	9	30
Heptachlor	0.500	0.358		ug/L		72	63 - 126	8	30
Heptachlor epoxide	0.500	0.385		ug/L		77	67 - 129	8	30
Methoxychlor	0.500	0.406		ug/L		81	71 - 125	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*52*		*12 - 131*
Tetrachloro-m-xylene	*69*		*44 - 114*

Lab Sample ID: MB 320-541017/1-A
Matrix: Solid
Analysis Batch: 545685

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541017

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/08/21 15:14	11/24/21 16:08	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 320-541017/1-A
Matrix: Solid
Analysis Batch: 545685

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541017

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.14	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
Chlordane (technical)	ND		20	9.4	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
Endrin	ND		1.7	0.20	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/08/21 15:14	11/24/21 16:08	1
Toxaphene	ND		67	22	ug/Kg		11/08/21 15:14	11/24/21 16:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*46 - 109*	*11/08/21 15:14*	*11/24/21 16:08*	*1*
DCB Decachlorobiphenyl	*78*		*46 - 109*	*11/08/21 15:14*	*11/24/21 16:08*	*1*
Tetrachloro-m-xylene	*75*		*47 - 107*	*11/08/21 15:14*	*11/24/21 16:08*	*1*
Tetrachloro-m-xylene	*76*		*47 - 107*	*11/08/21 15:14*	*11/24/21 16:08*	*1*

Lab Sample ID: LCS 320-541017/2-A
Matrix: Solid
Analysis Batch: 545685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541017

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	14.0		ug/Kg		84	53 - 117
4,4'-DDE	16.7	13.6		ug/Kg		82	58 - 115
4,4'-DDT	16.7	14.5		ug/Kg		87	53 - 128
Aldrin	16.7	12.9		ug/Kg		77	55 - 109
alpha-BHC	16.7	13.4		ug/Kg		80	54 - 111
beta-BHC	16.7	13.4		ug/Kg		81	53 - 115
cis-Chlordane	16.7	13.2		ug/Kg		79	54 - 113
delta-BHC	16.7	13.4		ug/Kg		81	39 - 124
Dieldrin	16.7	13.6		ug/Kg		82	54 - 117
Endosulfan I	16.7	11.2		ug/Kg		67	42 - 118
Endosulfan II	16.7	13.1		ug/Kg		78	48 - 118
Endosulfan sulfate	16.7	14.4		ug/Kg		86	51 - 113
Endrin	16.7	13.5		ug/Kg		81	58 - 115
Endrin aldehyde	16.7	13.0		ug/Kg		78	40 - 100
Endrin ketone	16.7	13.8		ug/Kg		83	51 - 118
trans-Chlordane	16.7	12.8		ug/Kg		77	55 - 114
gamma-BHC (Lindane)	16.7	13.8		ug/Kg		83	54 - 112

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 320-541017/2-A
Matrix: Solid
Analysis Batch: 545685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541017

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptachlor	16.7	14.2		ug/Kg		85	50 - 118
Heptachlor epoxide	16.7	13.0		ug/Kg		78	56 - 113
Methoxychlor	16.7	13.9		ug/Kg		84	52 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*56*		*46 - 109*
Tetrachloro-m-xylene	*75*		*47 - 107*

Lab Sample ID: 320-81042-16 MS
Matrix: Solid
Analysis Batch: 545685

Client Sample ID: AOC3-S6F-0.5
Prep Type: Total/NA
Prep Batch: 541017

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND	F1	16.6	6.73	J F1	ug/Kg		40	53 - 117
4,4'-DDE	ND	F1	16.6	8.46	J F1	ug/Kg		51	58 - 115
4,4'-DDT	ND	F1	16.6	8.45	J F1	ug/Kg		51	53 - 128
Aldrin	ND		16.6	10.3	J	ug/Kg		62	55 - 109
alpha-BHC	ND		16.6	10.6	J	ug/Kg		64	54 - 111
beta-BHC	ND		16.6	9.60	J	ug/Kg		58	53 - 115
cis-Chlordane	ND	F1	16.6	7.13	J F1	ug/Kg		43	54 - 113
delta-BHC	ND		16.6	8.25	J	ug/Kg		50	39 - 124
Dieldrin	ND	F1	16.6	7.34	J F1	ug/Kg		44	54 - 117
Endosulfan I	ND	F1	16.6	6.07	J F1	ug/Kg		36	42 - 118
Endosulfan II	ND	F1	16.6	5.75	J F1	ug/Kg		35	48 - 118
Endosulfan sulfate	ND	F1	16.6	ND	F1	ug/Kg		0	51 - 113
Endrin	ND	F1	16.6	7.31	J F1	ug/Kg		44	58 - 115
Endrin aldehyde	ND	F1	16.6	ND	F1	ug/Kg		0	40 - 100
Endrin ketone	ND	F1 F2	16.6	ND	F1	ug/Kg		0	51 - 118
trans-Chlordane	ND	F1	16.6	ND	F1	ug/Kg		0	55 - 114
gamma-BHC (Lindane)	ND		16.6	9.56	J	ug/Kg		57	54 - 112
Heptachlor	ND		16.6	13.5	J	ug/Kg		81	50 - 118
Heptachlor epoxide	ND		16.6	7.87	J F1	ug/Kg		47	56 - 113
Methoxychlor	ND	F1	16.6	ND	F1	ug/Kg		0	52 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*73*		*46 - 109*
Tetrachloro-m-xylene	*93*		*47 - 107*

Lab Sample ID: 320-81042-16 MSD
Matrix: Solid
Analysis Batch: 545685

Client Sample ID: AOC3-S6F-0.5
Prep Type: Total/NA
Prep Batch: 541017

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND	F1	15.7	6.58	J F1	ug/Kg		42	53 - 117	2	30
4,4'-DDE	ND	F1	15.7	7.86	J F1	ug/Kg		50	58 - 115	16	30
4,4'-DDT	ND	F1	15.7	6.84	J F1	ug/Kg		43	53 - 128	21	30
Aldrin	ND		15.7	9.75	J	ug/Kg		62	55 - 109	13	30
alpha-BHC	ND		15.7	10.6	J	ug/Kg		68	54 - 111	0	30

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 320-81042-16 MSD
Matrix: Solid
Analysis Batch: 545685

Client Sample ID: AOC3-S6F-0.5
Prep Type: Total/NA
Prep Batch: 541017

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
beta-BHC	ND		15.7	9.92	J	ug/Kg		63	53 - 115	3	30
cis-Chlordane	ND	F1	15.7	6.91	J F1	ug/Kg		44	54 - 113	3	30
delta-BHC	ND		15.7	8.03	J	ug/Kg		51	39 - 124	3	30
Dieldrin	ND	F1	15.7	7.34	J F1	ug/Kg		47	54 - 117	3	30
Endosulfan I	ND	F1	15.7	6.21	J F1	ug/Kg		39	42 - 118	16	30
Endosulfan II	ND	F1	15.7	5.99	J F1	ug/Kg		38	48 - 118	4	30
Endosulfan sulfate	ND	F1	15.7	ND	F1	ug/Kg		0	51 - 113	NC	30
Endrin	ND	F1	15.7	6.97	J F1	ug/Kg		44	58 - 115	5	30
Endrin aldehyde	ND	F1	15.7	ND	F1	ug/Kg		0	40 - 100	NC	30
Endrin ketone	ND	F1	15.7	9.69	J F2	ug/Kg		62	51 - 118	53	30
trans-Chlordane	ND	F1	15.7	ND	F1	ug/Kg		0	55 - 114	NC	30
gamma-BHC (Lindane)	ND		15.7	9.55	J	ug/Kg		61	54 - 112	0	30
Heptachlor	ND		15.7	12.4	J	ug/Kg		79	50 - 118	9	30
Heptachlor epoxide	ND		15.7	7.67	J F1	ug/Kg		49	56 - 113	3	30
Methoxychlor	ND	F1	15.7	ND	F1	ug/Kg		0	52 - 123	NC	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*46 - 109*
Tetrachloro-m-xylene	*105*		*47 - 107*

Lab Sample ID: MB 320-541214/1-A
Matrix: Solid
Analysis Batch: 546025

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
Aldrin	ND		1.7	0.14	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
Chlordane (technical)	ND		20	9.4	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
Endrin	ND		1.7	0.20	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/09/21 08:55	11/26/21 14:32	1
Toxaphene	ND		67	22	ug/Kg		11/09/21 08:55	11/26/21 14:32	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 320-541214/1-A
Matrix: Solid
Analysis Batch: 546025

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541214

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	55		46 - 109	11/09/21 08:55	11/26/21 14:32	1
DCB Decachlorobiphenyl	61		46 - 109	11/09/21 08:55	11/26/21 14:32	1
Tetrachloro-m-xylene	58		47 - 107	11/09/21 08:55	11/26/21 14:32	1
Tetrachloro-m-xylene	54		47 - 107	11/09/21 08:55	11/26/21 14:32	1

Lab Sample ID: LCS 320-541214/2-A
Matrix: Solid
Analysis Batch: 546025

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	12.4		ug/Kg		74	53 - 117
4,4'-DDE	16.7	12.5		ug/Kg		75	58 - 115
4,4'-DDT	16.7	13.5		ug/Kg		81	53 - 128
Aldrin	16.7	10.6		ug/Kg		64	55 - 109
alpha-BHC	16.7	12.4		ug/Kg		75	54 - 111
beta-BHC	16.7	12.2		ug/Kg		73	53 - 115
cis-Chlordane	16.7	12.0		ug/Kg		72	54 - 113
delta-BHC	16.7	12.3		ug/Kg		74	39 - 124
Dieldrin	16.7	12.6		ug/Kg		76	54 - 117
Endosulfan I	16.7	10.3		ug/Kg		62	42 - 118
Endosulfan II	16.7	11.8		ug/Kg		71	48 - 118
Endosulfan sulfate	16.7	13.2		ug/Kg		79	51 - 113
Endrin	16.7	12.6		ug/Kg		76	58 - 115
Endrin aldehyde	16.7	12.5		ug/Kg		75	40 - 100
Endrin ketone	16.7	12.2		ug/Kg		73	51 - 118
trans-Chlordane	16.7	11.7		ug/Kg		70	55 - 114
gamma-BHC (Lindane)	16.7	12.3		ug/Kg		74	54 - 112
Heptachlor	16.7	11.5		ug/Kg		69	50 - 118
Heptachlor epoxide	16.7	11.8		ug/Kg		71	56 - 113
Methoxychlor	16.7	13.4		ug/Kg		80	52 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	59		46 - 109
Tetrachloro-m-xylene	63		47 - 107

Lab Sample ID: 320-81042-18 MS
Matrix: Solid
Analysis Batch: 546025

Client Sample ID: AOC3-S6G-0.5
Prep Type: Total/NA
Prep Batch: 541214

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		16.2	8.82	J	ug/Kg		54	53 - 117
4,4'-DDE	ND	F1	16.2	9.14	J F1	ug/Kg		56	58 - 115
4,4'-DDT	ND	F2	16.2	9.90	J	ug/Kg		61	53 - 128
Aldrin	ND	F2	16.2	12.2	J	ug/Kg		75	55 - 109
alpha-BHC	ND		16.2	10.8	J	ug/Kg		67	54 - 111
beta-BHC	ND		16.2	16.3	J	ug/Kg		101	53 - 115
cis-Chlordane	ND	F2	16.2	10.3	J	ug/Kg		64	54 - 113
delta-BHC	ND		16.2	9.27	J	ug/Kg		57	39 - 124

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 320-81042-18 MS
Matrix: Solid
Analysis Batch: 546025

Client Sample ID: AOC3-S6G-0.5
Prep Type: Total/NA
Prep Batch: 541214

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dieldrin	ND	F2	16.2	10.6	J	ug/Kg		65	54 - 117
Endosulfan I	ND	F1	16.2	9.16	J	ug/Kg		56	42 - 118
Endosulfan II	ND	F1	16.2	9.47	J	ug/Kg		58	48 - 118
Endosulfan sulfate	ND	F1	16.2	ND	F1	ug/Kg		0	51 - 113
Endrin	ND	F2	16.2	11.0	J	ug/Kg		68	58 - 115
Endrin aldehyde	ND	F1	16.2	ND	F1	ug/Kg		0	40 - 100
Endrin ketone	ND	F1	16.2	13.7	J	ug/Kg		85	51 - 118
trans-Chlordane	ND	F1	16.2	ND	F1	ug/Kg		0	55 - 114
gamma-BHC (Lindane)	ND		16.2	11.9	J	ug/Kg		74	54 - 112
Heptachlor	ND		16.2	13.5	J	ug/Kg		83	50 - 118
Heptachlor epoxide	ND		16.2	11.6	J	ug/Kg		72	56 - 113
Methoxychlor	ND	F1	16.2	ND	F1	ug/Kg		0	52 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*
Tetrachloro-m-xylene	*79*		*47 - 107*

Lab Sample ID: 320-81042-18 MSD
Matrix: Solid
Analysis Batch: 546025

Client Sample ID: AOC3-S6G-0.5
Prep Type: Total/NA
Prep Batch: 541214

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		16.7	10.7	J	ug/Kg		64	53 - 117	4	30
4,4'-DDE	ND	F1	16.7	11.0	J	ug/Kg		66	58 - 115	18	30
4,4'-DDT	ND	F1 F2	16.7	12.0	J F2	ug/Kg		72	53 - 128	42	30
Aldrin	ND	F1 F2	16.7	13.9	J F2	ug/Kg		84	55 - 109	40	30
alpha-BHC	ND		16.7	11.3	J	ug/Kg		68	54 - 111	4	30
beta-BHC	ND	F1	16.7	13.9	J	ug/Kg		84	53 - 115	2	30
cis-Chlordane	ND	F1	16.7	12.8	J F2	ug/Kg		77	54 - 113	43	30
delta-BHC	ND		16.7	9.36	J	ug/Kg		56	39 - 124	1	30
Dieldrin	ND	F1	16.7	12.5	J F2	ug/Kg		75	54 - 117	41	30
Endosulfan I	ND	F1	16.7	11.4	J	ug/Kg		69	42 - 118	22	30
Endosulfan II	ND	F1	16.7	11.1	J	ug/Kg		67	48 - 118	16	30
Endosulfan sulfate	ND	F1	16.7	ND	F1	ug/Kg		0	51 - 113	NC	30
Endrin	ND	F1 F2	16.7	12.6	J F2	ug/Kg		76	58 - 115	42	30
Endrin aldehyde	ND	F1	16.7	ND	F1	ug/Kg		0	40 - 100	NC	30
Endrin ketone	ND	F1	16.7	11.6	J	ug/Kg		69	51 - 118	17	30
trans-Chlordane	ND	F1	16.7	ND	F1	ug/Kg		0	55 - 114	NC	30
gamma-BHC (Lindane)	ND		16.7	11.7	J	ug/Kg		70	54 - 112	2	30
Heptachlor	ND		16.7	14.4	J	ug/Kg		86	50 - 118	6	30
Heptachlor epoxide	ND		16.7	12.8	J	ug/Kg		77	56 - 113	10	30
Methoxychlor	ND	F1	16.7	ND	F1	ug/Kg		0	52 - 123	NC	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*307*	*S1+*	*46 - 109*
Tetrachloro-m-xylene	*80*		*47 - 107*

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 320-541224/1-A
Matrix: Solid
Analysis Batch: 546025

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541224

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
Aldrin	ND		1.7	0.14	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
Chlordane (technical)	ND		20	9.4	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
Endrin	ND		1.7	0.20	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/09/21 09:28	11/26/21 21:40	1
Toxaphene	ND		67	22	ug/Kg		11/09/21 09:28	11/26/21 21:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*46 - 109*	*11/09/21 09:28*	*11/26/21 21:40*	*1*
DCB Decachlorobiphenyl	*63*		*46 - 109*	*11/09/21 09:28*	*11/26/21 21:40*	*1*
Tetrachloro-m-xylene	*70*		*47 - 107*	*11/09/21 09:28*	*11/26/21 21:40*	*1*
Tetrachloro-m-xylene	*58*		*47 - 107*	*11/09/21 09:28*	*11/26/21 21:40*	*1*

Lab Sample ID: LCS 320-541224/2-A
Matrix: Solid
Analysis Batch: 546025

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541224

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	12.8		ug/Kg		77	53 - 117
4,4'-DDE	16.7	12.5		ug/Kg		75	58 - 115
4,4'-DDT	16.7	12.9		ug/Kg		78	53 - 128
Aldrin	16.7	10.7		ug/Kg		64	55 - 109
alpha-BHC	16.7	12.5		ug/Kg		75	54 - 111
beta-BHC	16.7	12.3		ug/Kg		74	53 - 115
cis-Chlordane	16.7	12.0		ug/Kg		72	54 - 113
delta-BHC	16.7	12.4		ug/Kg		74	39 - 124
Dieldrin	16.7	12.3		ug/Kg		74	54 - 117
Endosulfan I	16.7	10.1		ug/Kg		61	42 - 118
Endosulfan II	16.7	11.6		ug/Kg		70	48 - 118
Endosulfan sulfate	16.7	12.7		ug/Kg		76	51 - 113
Endrin	16.7	12.5		ug/Kg		75	58 - 115
Endrin aldehyde	16.7	11.6		ug/Kg		70	40 - 100

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 320-541224/2-A
Matrix: Solid
Analysis Batch: 546025

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541224

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin ketone	16.7	12.1		ug/Kg		73	51 - 118
trans-Chlordane	16.7	11.7		ug/Kg		70	55 - 114
gamma-BHC (Lindane)	16.7	12.4		ug/Kg		74	54 - 112
Heptachlor	16.7	11.5		ug/Kg		69	50 - 118
Heptachlor epoxide	16.7	11.8		ug/Kg		71	56 - 113
Methoxychlor	16.7	13.0		ug/Kg		78	52 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*56*		*46 - 109*
Tetrachloro-m-xylene	*64*		*47 - 107*

Lab Sample ID: 320-81042-36 MS
Matrix: Solid
Analysis Batch: 546025

Client Sample ID: AOC3-S2H-2
Prep Type: Total/NA
Prep Batch: 541224

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND	F1	16.0	9.24	J	ug/Kg		58	53 - 117
4,4'-DDE	ND	F1	16.0	9.26	J	ug/Kg		58	58 - 115
4,4'-DDT	ND	F1	16.0	8.44	J	ug/Kg		53	53 - 128
Aldrin	ND		16.0	10.1	J	ug/Kg		63	55 - 109
alpha-BHC	ND		16.0	9.77	J	ug/Kg		61	54 - 111
beta-BHC	ND		16.0	11.1	J	ug/Kg		69	53 - 115
cis-Chlordane	ND		16.0	9.67	J	ug/Kg		60	54 - 113
delta-BHC	ND		16.0	8.61	J	ug/Kg		54	39 - 124
Dieldrin	ND		16.0	9.77	J	ug/Kg		61	54 - 117
Endosulfan I	ND	F1 F2	16.0	8.15	J	ug/Kg		51	42 - 118
Endosulfan II	ND		16.0	8.66	J	ug/Kg		54	48 - 118
Endosulfan sulfate	ND	F1	16.0	7.25	J F1	ug/Kg		45	51 - 113
Endrin	ND	F1	16.0	10.4	J	ug/Kg		65	58 - 115
Endrin aldehyde	ND	F1	16.0	7.56	J	ug/Kg		47	40 - 100
Endrin ketone	ND		16.0	9.49	J	ug/Kg		59	51 - 118
trans-Chlordane	ND	F1	16.0	9.22	J	ug/Kg		58	55 - 114
gamma-BHC (Lindane)	ND		16.0	9.88	J	ug/Kg		62	54 - 112
Heptachlor	ND	F1	16.0	11.8	J	ug/Kg		74	50 - 118
Heptachlor epoxide	ND		16.0	10.2	J	ug/Kg		63	56 - 113
Methoxychlor	ND	F1	16.0	8.45	J	ug/Kg		53	52 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*74*		*46 - 109*
Tetrachloro-m-xylene	*69*		*47 - 107*

Lab Sample ID: 320-81042-36 MSD
Matrix: Solid
Analysis Batch: 546025

Client Sample ID: AOC3-S2H-2
Prep Type: Total/NA
Prep Batch: 541224

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		15.9	8.58	J	ug/Kg		54	53 - 117	8	30
4,4'-DDE	ND	F1	15.9	7.88	J F1	ug/Kg		50	58 - 115	16	30

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 320-81042-36 MSD
Matrix: Solid
Analysis Batch: 546025

Client Sample ID: AOC3-S2H-2
Prep Type: Total/NA
Prep Batch: 541224

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDT	ND	F1	15.9	8.09	J F1	ug/Kg		51	53 - 128	4	30
Aldrin	ND		15.9	8.97	J	ug/Kg		56	55 - 109	12	30
alpha-BHC	ND		15.9	9.02	J	ug/Kg		57	54 - 111	8	30
beta-BHC	ND		15.9	10.4	J	ug/Kg		65	53 - 115	7	30
cis-Chlordane	ND		15.9	8.55	J	ug/Kg		54	54 - 113	12	30
delta-BHC	ND		15.9	8.05	J	ug/Kg		51	39 - 124	7	30
Dieldrin	ND		15.9	9.40	J	ug/Kg		59	54 - 117	4	30
Endosulfan I	ND	F2	15.9	6.83	J F2	ug/Kg		43	42 - 118	31	30
Endosulfan II	ND		15.9	8.40	J	ug/Kg		53	48 - 118	3	30
Endosulfan sulfate	ND	F1	15.9	7.36	J F1	ug/Kg		46	51 - 113	2	30
Endrin	ND	F1	15.9	8.77	J F1	ug/Kg		55	58 - 115	17	30
Endrin aldehyde	ND	F1	15.9	6.75	J	ug/Kg		42	40 - 100	11	30
Endrin ketone	ND		15.9	9.15	J	ug/Kg		58	51 - 118	4	30
trans-Chlordane	ND	F1	15.9	8.07	J F1	ug/Kg		51	55 - 114	13	30
gamma-BHC (Lindane)	ND		15.9	8.88	J	ug/Kg		56	54 - 112	11	30
Heptachlor	ND	F1	15.9	9.85	J	ug/Kg		62	50 - 118	18	30
Heptachlor epoxide	ND		15.9	8.83	J	ug/Kg		56	56 - 113	14	30
Methoxychlor	ND	F1	15.9	7.95	J F1	ug/Kg		50	52 - 123	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*68*		*46 - 109*
Tetrachloro-m-xylene	*61*		*47 - 107*

Lab Sample ID: MB 320-541292/1-A
Matrix: Solid
Analysis Batch: 546025

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541292

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
Aldrin	ND		1.7	0.14	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
Chlordane (technical)	ND		20	9.4	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
Endrin	ND		1.7	0.20	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
Heptachlor	1.22	J P	1.7	0.15	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/09/21 11:27	11/26/21 14:13	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 320-541292/1-A
Matrix: Solid
Analysis Batch: 546025

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541292

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	ND		3.4	0.56	ug/Kg		11/09/21 11:27	11/26/21 14:13	1
Toxaphene	ND		67	22	ug/Kg		11/09/21 11:27	11/26/21 14:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*46 - 109*	*11/09/21 11:27*	*11/26/21 14:13*	*1*
DCB Decachlorobiphenyl	*85*		*46 - 109*	*11/09/21 11:27*	*11/26/21 14:13*	*1*
Tetrachloro-m-xylene	*80*		*47 - 107*	*11/09/21 11:27*	*11/26/21 14:13*	*1*
Tetrachloro-m-xylene	*74*		*47 - 107*	*11/09/21 11:27*	*11/26/21 14:13*	*1*

Lab Sample ID: LCS 320-541292/2-A
Matrix: Solid
Analysis Batch: 545685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541292

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	13.7		ug/Kg		82	53 - 117
4,4'-DDE	16.7	13.2		ug/Kg		79	58 - 115
4,4'-DDT	16.7	12.8		ug/Kg		77	53 - 128
Aldrin	16.7	13.0		ug/Kg		78	55 - 109
alpha-BHC	16.7	13.3		ug/Kg		80	54 - 111
beta-BHC	16.7	13.5		ug/Kg		81	53 - 115
cis-Chlordane	16.7	13.1		ug/Kg		79	54 - 113
delta-BHC	16.7	13.4		ug/Kg		80	39 - 124
Dieldrin	16.7	13.1		ug/Kg		78	54 - 117
Endosulfan I	16.7	10.8		ug/Kg		65	42 - 118
Endosulfan II	16.7	12.4		ug/Kg		74	48 - 118
Endosulfan sulfate	16.7	13.9		ug/Kg		83	51 - 113
Endrin	16.7	13.0		ug/Kg		78	58 - 115
Endrin aldehyde	16.7	9.44		ug/Kg		57	40 - 100
Endrin ketone	16.7	13.2		ug/Kg		79	51 - 118
trans-Chlordane	16.7	12.5		ug/Kg		75	55 - 114
gamma-BHC (Lindane)	16.7	13.7		ug/Kg		82	54 - 112
Heptachlor	16.7	14.2	B	ug/Kg		85	50 - 118
Heptachlor epoxide	16.7	12.8		ug/Kg		77	56 - 113
Methoxychlor	16.7	13.2		ug/Kg		79	52 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*47*		*46 - 109*
Tetrachloro-m-xylene	*73*		*47 - 107*

Lab Sample ID: 320-81042-54 MS
Matrix: Solid
Analysis Batch: 545685

Client Sample ID: AOC3-S5I-0.5
Prep Type: Total/NA
Prep Batch: 541292

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND	F1 F2	16.5	9.93	J	ug/Kg		60	53 - 117
4,4'-DDE	ND	F1 F2	16.5	11.1	J	ug/Kg		68	58 - 115
4,4'-DDT	ND	F1 F2	16.5	10.3	J	ug/Kg		63	53 - 128
Aldrin	ND	F1 F2	16.5	13.4	J	ug/Kg		82	55 - 109

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 320-81042-54 MS
Matrix: Solid
Analysis Batch: 545685

Client Sample ID: AOC3-S5I-0.5
Prep Type: Total/NA
Prep Batch: 541292

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
alpha-BHC	ND	F2	16.5	15.7	J	ug/Kg		95	54 - 111
beta-BHC	ND	F2	16.5	12.7	J	ug/Kg		77	53 - 115
cis-Chlordane	ND	F1 F2	16.5	10.6	J	ug/Kg		64	54 - 113
delta-BHC	ND	F2	16.5	11.2	J	ug/Kg		68	39 - 124
Dieldrin	ND	F1	16.5	9.98	J	ug/Kg		61	54 - 117
Endosulfan I	ND	F1	16.5	7.94	J	ug/Kg		48	42 - 118
Endosulfan II	ND	F1 F2	16.5	8.12	J	ug/Kg		49	48 - 118
Endosulfan sulfate	ND	F1 F2	16.5	7.24	J F1	ug/Kg		44	51 - 113
Endrin	ND	F1 F2	16.5	10.4	J	ug/Kg		63	58 - 115
Endrin aldehyde	ND	F1	16.5	8.11	J	ug/Kg		49	40 - 100
Endrin ketone	ND		16.5	8.42	J	ug/Kg		51	51 - 118
trans-Chlordane	ND	F1 F2	16.5	13.4	J	ug/Kg		81	55 - 114
gamma-BHC (Lindane)	ND	F2	16.5	14.1	J	ug/Kg		86	54 - 112
Heptachlor	ND	F2	16.5	17.4	B	ug/Kg		105	50 - 118
Heptachlor epoxide	ND	F1 F2	16.5	10.8	J	ug/Kg		66	56 - 113
Methoxychlor	ND	F1 F2	16.5	10.9	J	ug/Kg		66	52 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*172*	*S1+*	*46 - 109*
Tetrachloro-m-xylene	*132*	*S1+*	*47 - 107*

Lab Sample ID: 320-81042-54 MSD
Matrix: Solid
Analysis Batch: 545685

Client Sample ID: AOC3-S5I-0.5
Prep Type: Total/NA
Prep Batch: 541292

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND	F1 F2	16.4	6.55	J F1 F2	ug/Kg		40	53 - 117	41	30
4,4'-DDE	ND	F1 F2	16.4	7.87	J F1 F2	ug/Kg		48	58 - 115	34	30
4,4'-DDT	ND	F1 F2	16.4	5.74	J F1 F2	ug/Kg		35	53 - 128	57	30
Aldrin	ND	F1 F2	16.4	8.87	J F1 F2	ug/Kg		54	55 - 109	41	30
alpha-BHC	ND	F2	16.4	10.4	J F2	ug/Kg		64	54 - 111	40	30
beta-BHC	ND	F2	16.4	8.99	J F2	ug/Kg		55	53 - 115	34	30
cis-Chlordane	ND	F1 F2	16.4	7.30	J F1 F2	ug/Kg		45	54 - 113	37	30
delta-BHC	ND	F2	16.4	7.69	J F2	ug/Kg		47	39 - 124	37	30
Dieldrin	ND	F1	16.4	8.06	J F1	ug/Kg		49	54 - 117	21	30
Endosulfan I	ND	F1	16.4	6.73	J F1	ug/Kg		41	42 - 118	16	30
Endosulfan II	ND	F1 F2	16.4	5.48	J F1 F2	ug/Kg		33	48 - 118	39	30
Endosulfan sulfate	ND	F1 F2	16.4	4.95	J F1 F2	ug/Kg		30	51 - 113	37	30
Endrin	ND	F1 F2	16.4	7.38	J F1 F2	ug/Kg		45	58 - 115	34	30
Endrin aldehyde	ND	F1	16.4	ND	F1	ug/Kg		0	40 - 100	NC	30
Endrin ketone	ND		16.4	9.09	J	ug/Kg		55	51 - 118	8	30
trans-Chlordane	ND	F1 F2	16.4	8.54	J F1 F2	ug/Kg		52	55 - 114	44	30
gamma-BHC (Lindane)	ND	F2	16.4	9.32	J F2	ug/Kg		57	54 - 112	41	30
Heptachlor	ND	F2	16.4	11.5	J F2 B	ug/Kg		70	50 - 118	41	30
Heptachlor epoxide	ND	F1 F2	16.4	7.27	J F1 F2	ug/Kg		44	56 - 113	40	30
Methoxychlor	ND	F1 F2	16.4	7.55	J F1 F2	ug/Kg		46	52 - 123	36	30

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 320-81042-54 MSD
Matrix: Solid
Analysis Batch: 545685

Client Sample ID: AOC3-S5I-0.5
Prep Type: Total/NA
Prep Batch: 541292

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	100		46 - 109
Tetrachloro-m-xylene	89		47 - 107

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 320-539996/1-A
Matrix: Water
Analysis Batch: 542927

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539996

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.075	ug/L		11/04/21 13:35	11/15/21 17:23	1
PCB-1221	ND		0.50	0.27	ug/L		11/04/21 13:35	11/15/21 17:23	1
PCB-1232	ND		0.50	0.080	ug/L		11/04/21 13:35	11/15/21 17:23	1
PCB-1242	ND		0.50	0.13	ug/L		11/04/21 13:35	11/15/21 17:23	1
PCB-1248	ND		0.50	0.12	ug/L		11/04/21 13:35	11/15/21 17:23	1
PCB-1254	ND		0.50	0.095	ug/L		11/04/21 13:35	11/15/21 17:23	1
PCB-1260	ND		0.50	0.11	ug/L		11/04/21 13:35	11/15/21 17:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		29 - 128	11/04/21 13:35	11/15/21 17:23	1

Lab Sample ID: LCS 320-539996/2-A
Matrix: Water
Analysis Batch: 542927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539996

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			2.00	1.59		ug/L		80	63 - 114		
PCB-1260			2.00	1.62		ug/L		81	64 - 114		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	69		29 - 128

Lab Sample ID: LCSD 320-539996/3-A
Matrix: Water
Analysis Batch: 542927

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 539996

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016			2.00	1.67		ug/L		83	63 - 114	4	30
PCB-1260			2.00	1.67		ug/L		83	64 - 114	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	70		29 - 128

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 320-541026/1-A
Matrix: Solid
Analysis Batch: 543943

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.6	ug/Kg		11/08/21 15:15	11/18/21 21:08	1
PCB-1221	ND		33	3.6	ug/Kg		11/08/21 15:15	11/18/21 21:08	1
PCB-1232	ND		33	4.8	ug/Kg		11/08/21 15:15	11/18/21 21:08	1
PCB-1242	ND		33	5.9	ug/Kg		11/08/21 15:15	11/18/21 21:08	1
PCB-1248	ND		33	2.4	ug/Kg		11/08/21 15:15	11/18/21 21:08	1
PCB-1254	ND		33	3.8	ug/Kg		11/08/21 15:15	11/18/21 21:08	1
PCB-1260	ND		33	2.7	ug/Kg		11/08/21 15:15	11/18/21 21:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*52 - 138*	*11/08/21 15:15*	*11/18/21 21:08*	*1*
Tetrachloro-m-xylene	*81*		*56 - 114*	*11/08/21 15:15*	*11/18/21 21:08*	*1*

Lab Sample ID: LCS 320-541026/2-A
Matrix: Solid
Analysis Batch: 543943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541026

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			66.7	59.6		ug/Kg		89	58 - 124		
PCB-1260			66.7	54.4		ug/Kg		82	55 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*69*		*52 - 138*
Tetrachloro-m-xylene	*82*		*56 - 114*

Lab Sample ID: 320-81042-15 MS
Matrix: Solid
Analysis Batch: 543943

Client Sample ID: AOC3-S7E-0.5
Prep Type: Total/NA
Prep Batch: 541026

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		66.4	45.7		ug/Kg		69	58 - 124		
PCB-1260	ND		66.4	36.4		ug/Kg		55	55 - 138		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*49*	*S1-*	*52 - 138*
Tetrachloro-m-xylene	*69*		*56 - 114*

Lab Sample ID: 320-81042-15 MSD
Matrix: Solid
Analysis Batch: 543943

Client Sample ID: AOC3-S7E-0.5
Prep Type: Total/NA
Prep Batch: 541026

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		66.6	48.8		ug/Kg		73	58 - 124	7	20
PCB-1260	ND		66.6	38.2		ug/Kg		57	55 - 138	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*48*	*S1-*	*52 - 138*
Tetrachloro-m-xylene	*69*		*56 - 114*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 320-541215/1-A
Matrix: Solid
Analysis Batch: 544372

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.6	ug/Kg		11/09/21 09:03	11/19/21 22:45	1
PCB-1221	ND		33	3.6	ug/Kg		11/09/21 09:03	11/19/21 22:45	1
PCB-1232	ND		33	4.8	ug/Kg		11/09/21 09:03	11/19/21 22:45	1
PCB-1242	ND		33	5.9	ug/Kg		11/09/21 09:03	11/19/21 22:45	1
PCB-1248	ND		33	2.4	ug/Kg		11/09/21 09:03	11/19/21 22:45	1
PCB-1254	ND		33	3.8	ug/Kg		11/09/21 09:03	11/19/21 22:45	1
PCB-1260	ND		33	2.7	ug/Kg		11/09/21 09:03	11/19/21 22:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*52 - 138*	*11/09/21 09:03*	*11/19/21 22:45*	*1*
Tetrachloro-m-xylene	*78*		*56 - 114*	*11/09/21 09:03*	*11/19/21 22:45*	*1*

Lab Sample ID: LCS 320-541215/2-A
Matrix: Solid
Analysis Batch: 544372

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	66.7	56.0		ug/Kg		84	58 - 124
PCB-1260	66.7	51.4		ug/Kg		77	55 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*80*		*52 - 138*
Tetrachloro-m-xylene	*80*		*56 - 114*

Lab Sample ID: MB 320-541228/1-A
Matrix: Solid
Analysis Batch: 544372

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541228

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.6	ug/Kg		11/09/21 09:41	11/19/21 19:06	1
PCB-1221	ND		33	3.6	ug/Kg		11/09/21 09:41	11/19/21 19:06	1
PCB-1232	ND		33	4.8	ug/Kg		11/09/21 09:41	11/19/21 19:06	1
PCB-1242	ND		33	5.9	ug/Kg		11/09/21 09:41	11/19/21 19:06	1
PCB-1248	ND		33	2.4	ug/Kg		11/09/21 09:41	11/19/21 19:06	1
PCB-1254	ND		33	3.8	ug/Kg		11/09/21 09:41	11/19/21 19:06	1
PCB-1260	ND		33	2.7	ug/Kg		11/09/21 09:41	11/19/21 19:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*52 - 138*	*11/09/21 09:41*	*11/19/21 19:06*	*1*
Tetrachloro-m-xylene	*73*		*56 - 114*	*11/09/21 09:41*	*11/19/21 19:06*	*1*

Lab Sample ID: LCS 320-541228/2-A
Matrix: Solid
Analysis Batch: 544372

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541228

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	66.7	58.4		ug/Kg		88	58 - 124
PCB-1260	66.7	55.7		ug/Kg		84	55 - 138

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	80		52 - 138
Tetrachloro-m-xylene	76		56 - 114

Lab Sample ID: MB 320-541298/1-A
Matrix: Solid
Analysis Batch: 543860

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541298

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.6	ug/Kg		11/09/21 11:44	11/18/21 19:45	1
PCB-1221	ND		33	3.6	ug/Kg		11/09/21 11:44	11/18/21 19:45	1
PCB-1232	ND		33	4.8	ug/Kg		11/09/21 11:44	11/18/21 19:45	1
PCB-1242	ND		33	5.9	ug/Kg		11/09/21 11:44	11/18/21 19:45	1
PCB-1248	ND		33	2.4	ug/Kg		11/09/21 11:44	11/18/21 19:45	1
PCB-1254	ND		33	3.8	ug/Kg		11/09/21 11:44	11/18/21 19:45	1
PCB-1260	ND		33	2.7	ug/Kg		11/09/21 11:44	11/18/21 19:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	60		52 - 138	11/09/21 11:44	11/18/21 19:45	1
Tetrachloro-m-xylene	66		56 - 114	11/09/21 11:44	11/18/21 19:45	1

Lab Sample ID: LCS 320-541298/2-A
Matrix: Solid
Analysis Batch: 543860

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541298

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	66.7	51.9		ug/Kg		78	58 - 124
PCB-1260	66.7	45.7		ug/Kg		68	55 - 138

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	65		52 - 138
Tetrachloro-m-xylene	67		56 - 114

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-193286/1-A
Matrix: Water
Analysis Batch: 193607

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 193286

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.010	0.0058	mg/L		11/10/21 14:08	11/11/21 11:19	1
Arsenic	ND		0.10	0.022	mg/L		11/10/21 14:08	11/11/21 11:19	1
Barium	ND		0.010	0.0016	mg/L		11/10/21 14:08	11/11/21 11:19	1
Beryllium	ND		0.010	0.0026	mg/L		11/10/21 14:08	11/11/21 11:19	1
Cadmium	ND		0.010	0.0012	mg/L		11/10/21 14:08	11/11/21 11:19	1
Cobalt	ND		0.050	0.0023	mg/L		11/10/21 14:08	11/11/21 11:19	1
Chromium	ND		0.050	0.0086	mg/L		11/10/21 14:08	11/11/21 11:19	1
Copper	ND		0.050	0.0085	mg/L		11/10/21 14:08	11/11/21 11:19	1
Molybdenum	ND		0.050	0.024	mg/L		11/10/21 14:08	11/11/21 11:19	1
Nickel	ND		0.050	0.0045	mg/L		11/10/21 14:08	11/11/21 11:19	1
Antimony	ND		0.10	0.021	mg/L		11/10/21 14:08	11/11/21 11:19	1
Selenium	ND		0.10	0.034	mg/L		11/10/21 14:08	11/11/21 11:19	1

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

Lab Sample ID: MB 570-193286/1-A
Matrix: Water
Analysis Batch: 193607

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 193286

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		0.050	0.019	mg/L		11/10/21 14:08	11/11/21 11:19	1
Vanadium	ND		0.010	0.0017	mg/L		11/10/21 14:08	11/11/21 11:19	1
Zinc	ND		0.25	0.014	mg/L		11/10/21 14:08	11/11/21 11:19	1
Lead	ND		0.050	0.0080	mg/L		11/10/21 14:08	11/11/21 11:19	1

Lab Sample ID: LCS 570-193286/2-A
Matrix: Water
Analysis Batch: 193607

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 193286

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.250	0.230		mg/L		92	80 - 120
Arsenic	0.500	0.442		mg/L		88	80 - 120
Barium	0.500	0.547		mg/L		109	80 - 120
Beryllium	0.500	0.498		mg/L		100	80 - 120
Cadmium	0.500	0.525		mg/L		105	80 - 120
Cobalt	0.500	0.519		mg/L		104	80 - 120
Chromium	0.500	0.512		mg/L		102	80 - 120
Copper	0.500	0.538		mg/L		108	80 - 120
Molybdenum	0.501	0.493		mg/L		98	80 - 120
Nickel	0.500	0.531		mg/L		106	80 - 120
Antimony	0.500	0.512		mg/L		102	80 - 120
Selenium	0.500	0.482		mg/L		96	80 - 120
Thallium	0.500	0.498		mg/L		100	80 - 120
Vanadium	0.500	0.513		mg/L		103	80 - 120
Zinc	0.500	0.520		mg/L		104	80 - 120
Lead	0.500	0.531		mg/L		106	80 - 120

Lab Sample ID: LCSD 570-193286/3-A
Matrix: Water
Analysis Batch: 193607

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 193286

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	0.250	0.231		mg/L		92	80 - 120	0	20
Arsenic	0.500	0.436		mg/L		87	80 - 120	1	20
Barium	0.500	0.548		mg/L		110	80 - 120	0	20
Beryllium	0.500	0.498		mg/L		100	80 - 120	0	20
Cadmium	0.500	0.521		mg/L		104	80 - 120	1	20
Cobalt	0.500	0.516		mg/L		103	80 - 120	1	20
Chromium	0.500	0.512		mg/L		102	80 - 120	0	20
Copper	0.500	0.541		mg/L		108	80 - 120	1	20
Molybdenum	0.501	0.501		mg/L		100	80 - 120	2	20
Nickel	0.500	0.527		mg/L		105	80 - 120	1	20
Antimony	0.500	0.506		mg/L		101	80 - 120	1	20
Selenium	0.500	0.500		mg/L		100	80 - 120	4	20
Thallium	0.500	0.491		mg/L		98	80 - 120	1	20
Vanadium	0.500	0.515		mg/L		103	80 - 120	0	20
Zinc	0.500	0.515		mg/L		103	80 - 120	1	20
Lead	0.500	0.526		mg/L		105	80 - 120	1	20

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

Lab Sample ID: MB 320-539068/1-A
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539068

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.090	mg/Kg		11/02/21 06:55	11/02/21 18:35	1
Barium	ND		1.0	0.12	mg/Kg		11/02/21 06:55	11/02/21 18:35	1
Beryllium	ND		0.20	0.030	mg/Kg		11/02/21 06:55	11/02/21 18:35	1
Cadmium	ND		0.20	0.030	mg/Kg		11/02/21 06:55	11/02/21 18:35	1
Cobalt	ND		0.50	0.25	mg/Kg		11/02/21 06:55	11/02/21 18:35	1
Chromium	ND		0.50	0.14	mg/Kg		11/02/21 06:55	11/02/21 18:35	1
Copper	ND		1.5	0.22	mg/Kg		11/02/21 06:55	11/02/21 18:35	1
Molybdenum	ND		2.0	0.75	mg/Kg		11/02/21 06:55	11/02/21 18:35	1
Nickel	ND		1.0	0.24	mg/Kg		11/02/21 06:55	11/02/21 18:35	1
Lead	0.299	J	1.0	0.26	mg/Kg		11/02/21 06:55	11/02/21 18:35	1
Selenium	ND		2.0	1.4	mg/Kg		11/02/21 06:55	11/02/21 18:35	1
Antimony	ND		2.0	0.94	mg/Kg		11/02/21 06:55	11/02/21 18:35	1
Thallium	ND		2.0	0.84	mg/Kg		11/02/21 06:55	11/02/21 18:35	1
Vanadium	ND		0.50	0.19	mg/Kg		11/02/21 06:55	11/02/21 18:35	1
Arsenic	ND		2.0	1.3	mg/Kg		11/02/21 06:55	11/02/21 18:35	1

Lab Sample ID: MB 320-539068/1-A
Matrix: Solid
Analysis Batch: 539835

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539068

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		2.0	0.19	mg/Kg		11/02/21 06:55	11/03/21 16:39	1

Lab Sample ID: LCS 320-539068/2-A
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539068

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	5.05	4.73		mg/Kg		94	80 - 120
Barium	50.0	47.6		mg/Kg		95	80 - 120
Beryllium	25.0	24.4		mg/Kg		98	80 - 120
Cadmium	25.0	24.5		mg/Kg		98	80 - 120
Cobalt	25.0	23.7		mg/Kg		95	80 - 120
Chromium	25.0	24.3		mg/Kg		97	80 - 120
Copper	25.0	23.0		mg/Kg		92	80 - 120
Molybdenum	25.0	24.0		mg/Kg		96	80 - 120
Nickel	25.0	23.5		mg/Kg		94	80 - 120
Lead	25.0	23.7		mg/Kg		95	80 - 120
Selenium	50.0	46.7		mg/Kg		93	80 - 120
Antimony	50.0	46.9		mg/Kg		94	80 - 120
Thallium	50.0	48.6		mg/Kg		97	80 - 120
Vanadium	25.0	23.9		mg/Kg		96	80 - 120
Arsenic	50.0	46.3		mg/Kg		93	80 - 120

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

Lab Sample ID: LCS 320-539068/2-A
Matrix: Solid
Analysis Batch: 539835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539068

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Zinc			49.9	49.3		mg/Kg		99	80 - 120		

Lab Sample ID: 320-81042-1 MS
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: AOC3-S6D-0.5
Prep Type: Total/NA
Prep Batch: 539068

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Silver	0.12	J	5.00	4.70		mg/Kg		91	80 - 120		
Barium	110	F1	49.5	208	F1	mg/Kg		198	80 - 120		
Beryllium	0.40		24.8	24.4		mg/Kg		97	80 - 120		
Cadmium	0.19	J	24.8	24.3		mg/Kg		97	80 - 120		
Cobalt	5.5		24.8	31.2		mg/Kg		104	80 - 120		
Chromium	21		24.8	47.4		mg/Kg		107	80 - 120		
Copper	36	F1	24.7	61.5		mg/Kg		105	80 - 120		
Molybdenum	ND		24.8	23.6		mg/Kg		95	80 - 120		
Nickel	20		24.8	47.1		mg/Kg		109	80 - 120		
Lead	110	B	24.8	183	4	mg/Kg		278	80 - 120		
Selenium	ND		49.5	43.7		mg/Kg		88	80 - 120		
Antimony	8.0	F1	49.5	34.3	F1	mg/Kg		53	80 - 120		
Thallium	ND		49.5	47.0		mg/Kg		95	80 - 120		
Vanadium	23	F1	24.8	53.5	F1	mg/Kg		124	80 - 120		
Arsenic	4.6		49.5	50.0		mg/Kg		92	80 - 120		

Lab Sample ID: 320-81042-1 MS
Matrix: Solid
Analysis Batch: 539835

Client Sample ID: AOC3-S6D-0.5
Prep Type: Total/NA
Prep Batch: 539068

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Zinc	110	F1	49.4	198	F1	mg/Kg		181	80 - 120		

Lab Sample ID: 320-81042-1 MSD
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: AOC3-S6D-0.5
Prep Type: Total/NA
Prep Batch: 539068

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	0.12	J	4.86	4.61		mg/Kg		92	80 - 120	2	35
Barium	110	F1	48.1	199	F1	mg/Kg		185	80 - 120	4	35
Beryllium	0.40		24.0	23.6		mg/Kg		97	80 - 120	3	35
Cadmium	0.19	J	24.0	23.2		mg/Kg		96	80 - 120	5	35
Cobalt	5.5		24.0	30.6		mg/Kg		104	80 - 120	2	35
Chromium	21		24.0	49.0		mg/Kg		117	80 - 120	3	35
Copper	36	F1	24.0	54.6	F1	mg/Kg		79	80 - 120	12	35
Molybdenum	ND		24.0	22.6		mg/Kg		94	80 - 120	4	35
Nickel	20		24.0	45.3		mg/Kg		105	80 - 120	4	35
Lead	110	B	24.0	165	4	mg/Kg		210	80 - 120	10	35
Selenium	ND		48.1	42.3		mg/Kg		88	80 - 120	3	35
Antimony	8.0	F1	48.0	29.3	F1	mg/Kg		44	80 - 120	16	35
Thallium	ND		48.1	44.1		mg/Kg		92	80 - 120	6	35
Vanadium	23	F1	24.0	54.4	F1	mg/Kg		132	80 - 120	2	35

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

Lab Sample ID: 320-81042-1 MSD
Matrix: Solid
Analysis Batch: 539464

Client Sample ID: AOC3-S6D-0.5
Prep Type: Total/NA
Prep Batch: 539068

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	4.6		48.1	49.0		mg/Kg		92	80 - 120	2	35

Lab Sample ID: 320-81042-1 MSD
Matrix: Solid
Analysis Batch: 539835

Client Sample ID: AOC3-S6D-0.5
Prep Type: Total/NA
Prep Batch: 539068

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	110	F1	48.0	176	F1	mg/Kg		141	80 - 120	12	35

Lab Sample ID: MB 320-539628/1-A
Matrix: Solid
Analysis Batch: 540178

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539628

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.26	mg/Kg		11/03/21 13:32	11/04/21 09:36	1
Arsenic	ND		2.0	1.3	mg/Kg		11/03/21 13:32	11/04/21 09:36	1

Lab Sample ID: LCS 320-539628/2-A
Matrix: Solid
Analysis Batch: 540178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539628

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	25.0	22.7		mg/Kg		91	80 - 120
Arsenic	50.0	42.7		mg/Kg		85	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 570-193769/1-A
Matrix: Water
Analysis Batch: 193866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 193769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00050	0.00014	mg/L		11/12/21 06:21	11/12/21 12:30	1

Lab Sample ID: LCS 570-193769/2-A
Matrix: Water
Analysis Batch: 193866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 193769

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0100	0.00993		mg/L		99	80 - 120

Lab Sample ID: LCSD 570-193769/3-A
Matrix: Water
Analysis Batch: 193866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 193769

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0100	0.00986		mg/L		99	80 - 120	1	20

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-193755/1-A
Matrix: Solid
Analysis Batch: 193866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 193755

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.083	0.014	mg/Kg		11/12/21 05:53	11/12/21 11:15	1

Lab Sample ID: LCS 570-193755/2-A
Matrix: Solid
Analysis Batch: 193866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 193755

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.820	0.781		mg/Kg		95	85 - 121		

Lab Sample ID: LCSD 570-193755/3-A
Matrix: Solid
Analysis Batch: 193866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 193755

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.833	0.811		mg/Kg		97	85 - 121	4	10

GC Semi VOA

Prep Batch: 539996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-56	EB10282021	Total/NA	Water	3510C	
MB 320-539996/1-A	Method Blank	Total/NA	Water	3510C	
LCS 320-539996/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 320-539996/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 539998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-56	EB10282021	Total/NA	Water	3510C	
MB 320-539998/1-A	Method Blank	Total/NA	Water	3510C	
LCS 320-539998/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 320-539998/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 541017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-1	AOC3-S6D-0.5	Total/NA	Solid	3546	
320-81042-2	AOC3-S6D-2	Total/NA	Solid	3546	
320-81042-3	AOC3-S5D--0.5	Total/NA	Solid	3546	
320-81042-4	AOC3-S5D-2	Total/NA	Solid	3546	
320-81042-5	AOC3-S5E-0.5	Total/NA	Solid	3546	
320-81042-6	AOC3-S5E-2	Total/NA	Solid	3546	
320-81042-7	AOC3/AOC8-S6E-0.5	Total/NA	Solid	3546	
320-81042-8	AOC3/AOC8-S6E-2	Total/NA	Solid	3546	
320-81042-9	AOC3-S8E-0.5	Total/NA	Solid	3546	
320-81042-10	AOC3-S8E-2	Total/NA	Solid	3546	
320-81042-11	AOC3-S7E-2	Total/NA	Solid	3546	
320-81042-12	AOC3-S9E-0.5	Total/NA	Solid	3546	
320-81042-13	AOC3-S9E-0.5 DUP	Total/NA	Solid	3546	
320-81042-14	AOC3-S9E-2	Total/NA	Solid	3546	
320-81042-15	AOC3-S7E-0.5	Total/NA	Solid	3546	
320-81042-16	AOC3-S6F-0.5	Total/NA	Solid	3546	
320-81042-17	AOC3-S6F-2	Total/NA	Solid	3546	
MB 320-541017/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-541017/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-81042-16 MS	AOC3-S6F-0.5	Total/NA	Solid	3546	
320-81042-16 MSD	AOC3-S6F-0.5	Total/NA	Solid	3546	

Prep Batch: 541026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-1	AOC3-S6D-0.5	Total/NA	Solid	3546	
320-81042-3	AOC3-S5D--0.5	Total/NA	Solid	3546	
320-81042-5	AOC3-S5E-0.5	Total/NA	Solid	3546	
320-81042-7	AOC3/AOC8-S6E-0.5	Total/NA	Solid	3546	
320-81042-9	AOC3-S8E-0.5	Total/NA	Solid	3546	
320-81042-12	AOC3-S9E-0.5	Total/NA	Solid	3546	
320-81042-13	AOC3-S9E-0.5 DUP	Total/NA	Solid	3546	
320-81042-15	AOC3-S7E-0.5	Total/NA	Solid	3546	
320-81042-16	AOC3-S6F-0.5	Total/NA	Solid	3546	
MB 320-541026/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-541026/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-81042-15 MS	AOC3-S7E-0.5	Total/NA	Solid	3546	
320-81042-15 MSD	AOC3-S7E-0.5	Total/NA	Solid	3546	

GC Semi VOA

Prep Batch: 541214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-18	AOC3-S6G-0.5	Total/NA	Solid	3546	
320-81042-19	AOC3-S6G-2	Total/NA	Solid	3546	
320-81042-20	AOC3-S5F-0.5	Total/NA	Solid	3546	
320-81042-21	AOC3-S5F-2	Total/NA	Solid	3546	
320-81042-22	AOC3-S4F-0.5	Total/NA	Solid	3546	
320-81042-23	AOC3-S4F-2	Total/NA	Solid	3546	
320-81042-24	AOC3-S3F-0.5	Total/NA	Solid	3546	
320-81042-25	AOC3-S3F-2	Total/NA	Solid	3546	
320-81042-26	AOC3/AOC8-S3G-0.5	Total/NA	Solid	3546	
320-81042-27	AOC3/AOC8-S3G-2	Total/NA	Solid	3546	
320-81042-28	AOC3-S4G-0.5	Total/NA	Solid	3546	
320-81042-29	AOC3-S4G-2	Total/NA	Solid	3546	
320-81042-30	AOC3-S5G-0.5	Total/NA	Solid	3546	
320-81042-31	AOC3-S5G-2	Total/NA	Solid	3546	
320-81042-32	AOC3-S5G-2 DUP	Total/NA	Solid	3546	
320-81042-33	AOC3-S2G-0.5	Total/NA	Solid	3546	
320-81042-34	AOC3-S2G-2	Total/NA	Solid	3546	
MB 320-541214/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-541214/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-81042-18 MS	AOC3-S6G-0.5	Total/NA	Solid	3546	
320-81042-18 MSD	AOC3-S6G-0.5	Total/NA	Solid	3546	

Prep Batch: 541215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-18	AOC3-S6G-0.5	Total/NA	Solid	3546	
320-81042-20	AOC3-S5F-0.5	Total/NA	Solid	3546	
320-81042-22	AOC3-S4F-0.5	Total/NA	Solid	3546	
320-81042-24	AOC3-S3F-0.5	Total/NA	Solid	3546	
320-81042-26	AOC3/AOC8-S3G-0.5	Total/NA	Solid	3546	
320-81042-28	AOC3-S4G-0.5	Total/NA	Solid	3546	
320-81042-30	AOC3-S5G-0.5	Total/NA	Solid	3546	
320-81042-33	AOC3-S2G-0.5	Total/NA	Solid	3546	
MB 320-541215/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-541215/2-A	Lab Control Sample	Total/NA	Solid	3546	

Prep Batch: 541224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-35	AOC3-S2H-0.5	Total/NA	Solid	3546	
320-81042-36	AOC3-S2H-2	Total/NA	Solid	3546	
320-81042-37	AOC3-S2F-0.5	Total/NA	Solid	3546	
320-81042-38	AOC3-S2F-2	Total/NA	Solid	3546	
320-81042-39	AOC3-S2F-0.5 DUP	Total/NA	Solid	3546	
320-81042-40	AOC3-S1F-0.5	Total/NA	Solid	3546	
320-81042-41	AOC3-S1F-2	Total/NA	Solid	3546	
320-81042-42	AOC3-S1G-0.5	Total/NA	Solid	3546	
320-81042-43	AOC3-S1G-2	Total/NA	Solid	3546	
320-81042-44	AOC3-S1H-0.5	Total/NA	Solid	3546	
320-81042-45	AOC3-S1H-2	Total/NA	Solid	3546	
320-81042-46	AOC3-S5H-0.5	Total/NA	Solid	3546	
320-81042-47	AOC3-S5H-2	Total/NA	Solid	3546	
320-81042-48	AOC3-S4H-0.5	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 541224 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-49	AOC3-S4H-2	Total/NA	Solid	3546	
320-81042-50	AOC3-S3H-0.5	Total/NA	Solid	3546	
320-81042-51	AOC3-S3H-2	Total/NA	Solid	3546	
MB 320-541224/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-541224/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-81042-36 MS	AOC3-S2H-2	Total/NA	Solid	3546	
320-81042-36 MSD	AOC3-S2H-2	Total/NA	Solid	3546	

Prep Batch: 541228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-35	AOC3-S2H-0.5	Total/NA	Solid	3546	
320-81042-37	AOC3-S2F-0.5	Total/NA	Solid	3546	
320-81042-39	AOC3-S2F-0.5 DUP	Total/NA	Solid	3546	
320-81042-40	AOC3-S1F-0.5	Total/NA	Solid	3546	
320-81042-42	AOC3-S1G-0.5	Total/NA	Solid	3546	
320-81042-44	AOC3-S1H-0.5	Total/NA	Solid	3546	
320-81042-46	AOC3-S5H-0.5	Total/NA	Solid	3546	
320-81042-48	AOC3-S4H-0.5	Total/NA	Solid	3546	
320-81042-50	AOC3-S3H-0.5	Total/NA	Solid	3546	
MB 320-541228/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-541228/2-A	Lab Control Sample	Total/NA	Solid	3546	

Prep Batch: 541292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-52	AOC3-S4I-0.5	Total/NA	Solid	3546	
320-81042-53	AOC3-S4I-2	Total/NA	Solid	3546	
320-81042-54	AOC3-S5I-0.5	Total/NA	Solid	3546	
320-81042-55	AOC3-S5I-2	Total/NA	Solid	3546	
MB 320-541292/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-541292/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-81042-54 MS	AOC3-S5I-0.5	Total/NA	Solid	3546	
320-81042-54 MSD	AOC3-S5I-0.5	Total/NA	Solid	3546	

Prep Batch: 541298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-52	AOC3-S4I-0.5	Total/NA	Solid	3546	
320-81042-54	AOC3-S5I-0.5	Total/NA	Solid	3546	
MB 320-541298/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-541298/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 542188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-56	EB10282021	Total/NA	Water	8081A	539998
MB 320-539998/1-A	Method Blank	Total/NA	Water	8081A	539998
LCS 320-539998/2-A	Lab Control Sample	Total/NA	Water	8081A	539998
LCSD 320-539998/3-A	Lab Control Sample Dup	Total/NA	Water	8081A	539998

Analysis Batch: 542927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-56	EB10282021	Total/NA	Water	8082	539996
MB 320-539996/1-A	Method Blank	Total/NA	Water	8082	539996

GC Semi VOA (Continued)

Analysis Batch: 542927 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-539996/2-A	Lab Control Sample	Total/NA	Water	8082	539996
LCSD 320-539996/3-A	Lab Control Sample Dup	Total/NA	Water	8082	539996

Analysis Batch: 543860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-52	AOC3-S4I-0.5	Total/NA	Solid	8082	541298
320-81042-54	AOC3-S5I-0.5	Total/NA	Solid	8082	541298
MB 320-541298/1-A	Method Blank	Total/NA	Solid	8082	541298
LCS 320-541298/2-A	Lab Control Sample	Total/NA	Solid	8082	541298

Analysis Batch: 543943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-1	AOC3-S6D-0.5	Total/NA	Solid	8082	541026
320-81042-3	AOC3-S5D--0.5	Total/NA	Solid	8082	541026
320-81042-5	AOC3-S5E-0.5	Total/NA	Solid	8082	541026
320-81042-7	AOC3/AOC8-S6E-0.5	Total/NA	Solid	8082	541026
320-81042-9	AOC3-S8E-0.5	Total/NA	Solid	8082	541026
320-81042-12	AOC3-S9E-0.5	Total/NA	Solid	8082	541026
320-81042-13	AOC3-S9E-0.5 DUP	Total/NA	Solid	8082	541026
320-81042-15	AOC3-S7E-0.5	Total/NA	Solid	8082	541026
MB 320-541026/1-A	Method Blank	Total/NA	Solid	8082	541026
LCS 320-541026/2-A	Lab Control Sample	Total/NA	Solid	8082	541026
320-81042-15 MS	AOC3-S7E-0.5	Total/NA	Solid	8082	541026
320-81042-15 MSD	AOC3-S7E-0.5	Total/NA	Solid	8082	541026

Analysis Batch: 544372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-18	AOC3-S6G-0.5	Total/NA	Solid	8082	541215
320-81042-20	AOC3-S5F-0.5	Total/NA	Solid	8082	541215
320-81042-22	AOC3-S4F-0.5	Total/NA	Solid	8082	541215
320-81042-24	AOC3-S3F-0.5	Total/NA	Solid	8082	541215
320-81042-26	AOC3/AOC8-S3G-0.5	Total/NA	Solid	8082	541215
320-81042-28	AOC3-S4G-0.5	Total/NA	Solid	8082	541215
320-81042-30	AOC3-S5G-0.5	Total/NA	Solid	8082	541215
320-81042-33	AOC3-S2G-0.5	Total/NA	Solid	8082	541215
320-81042-35	AOC3-S2H-0.5	Total/NA	Solid	8082	541228
320-81042-37	AOC3-S2F-0.5	Total/NA	Solid	8082	541228
320-81042-39	AOC3-S2F-0.5 DUP	Total/NA	Solid	8082	541228
320-81042-40	AOC3-S1F-0.5	Total/NA	Solid	8082	541228
320-81042-42	AOC3-S1G-0.5	Total/NA	Solid	8082	541228
320-81042-44	AOC3-S1H-0.5	Total/NA	Solid	8082	541228
320-81042-46	AOC3-S5H-0.5	Total/NA	Solid	8082	541228
320-81042-48	AOC3-S4H-0.5	Total/NA	Solid	8082	541228
320-81042-50	AOC3-S3H-0.5	Total/NA	Solid	8082	541228
MB 320-541215/1-A	Method Blank	Total/NA	Solid	8082	541215
MB 320-541228/1-A	Method Blank	Total/NA	Solid	8082	541228
LCS 320-541215/2-A	Lab Control Sample	Total/NA	Solid	8082	541215
LCS 320-541228/2-A	Lab Control Sample	Total/NA	Solid	8082	541228

QC Association Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

GC Semi VOA

Analysis Batch: 544884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-16	AOC3-S6F-0.5	Total/NA	Solid	8082	541026

Analysis Batch: 545685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-1	AOC3-S6D-0.5	Total/NA	Solid	8081A	541017
320-81042-2	AOC3-S6D-2	Total/NA	Solid	8081A	541017
320-81042-3	AOC3-S5D--0.5	Total/NA	Solid	8081A	541017
320-81042-4	AOC3-S5D-2	Total/NA	Solid	8081A	541017
320-81042-5	AOC3-S5E-0.5	Total/NA	Solid	8081A	541017
320-81042-6	AOC3-S5E-2	Total/NA	Solid	8081A	541017
320-81042-7	AOC3/AOC8-S6E-0.5	Total/NA	Solid	8081A	541017
320-81042-8	AOC3/AOC8-S6E-2	Total/NA	Solid	8081A	541017
320-81042-9	AOC3-S8E-0.5	Total/NA	Solid	8081A	541017
320-81042-10	AOC3-S8E-2	Total/NA	Solid	8081A	541017
320-81042-11	AOC3-S7E-2	Total/NA	Solid	8081A	541017
320-81042-12	AOC3-S9E-0.5	Total/NA	Solid	8081A	541017
320-81042-13	AOC3-S9E-0.5 DUP	Total/NA	Solid	8081A	541017
320-81042-14	AOC3-S9E-2	Total/NA	Solid	8081A	541017
320-81042-15	AOC3-S7E-0.5	Total/NA	Solid	8081A	541017
320-81042-16	AOC3-S6F-0.5	Total/NA	Solid	8081A	541017
320-81042-17	AOC3-S6F-2	Total/NA	Solid	8081A	541017
320-81042-52	AOC3-S4I-0.5	Total/NA	Solid	8081A	541292
320-81042-53	AOC3-S4I-2	Total/NA	Solid	8081A	541292
320-81042-54	AOC3-S5I-0.5	Total/NA	Solid	8081A	541292
MB 320-541017/1-A	Method Blank	Total/NA	Solid	8081A	541017
LCS 320-541017/2-A	Lab Control Sample	Total/NA	Solid	8081A	541017
LCS 320-541292/2-A	Lab Control Sample	Total/NA	Solid	8081A	541292
320-81042-16 MS	AOC3-S6F-0.5	Total/NA	Solid	8081A	541017
320-81042-16 MSD	AOC3-S6F-0.5	Total/NA	Solid	8081A	541017
320-81042-54 MS	AOC3-S5I-0.5	Total/NA	Solid	8081A	541292
320-81042-54 MSD	AOC3-S5I-0.5	Total/NA	Solid	8081A	541292

Analysis Batch: 546025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-18	AOC3-S6G-0.5	Total/NA	Solid	8081A	541214
320-81042-19	AOC3-S6G-2	Total/NA	Solid	8081A	541214
320-81042-20	AOC3-S5F-0.5	Total/NA	Solid	8081A	541214
320-81042-21	AOC3-S5F-2	Total/NA	Solid	8081A	541214
320-81042-22	AOC3-S4F-0.5	Total/NA	Solid	8081A	541214
320-81042-23	AOC3-S4F-2	Total/NA	Solid	8081A	541214
320-81042-24	AOC3-S3F-0.5	Total/NA	Solid	8081A	541214
320-81042-25	AOC3-S3F-2	Total/NA	Solid	8081A	541214
320-81042-26	AOC3/AOC8-S3G-0.5	Total/NA	Solid	8081A	541214
320-81042-27	AOC3/AOC8-S3G-2	Total/NA	Solid	8081A	541214
320-81042-28	AOC3-S4G-0.5	Total/NA	Solid	8081A	541214
320-81042-29	AOC3-S4G-2	Total/NA	Solid	8081A	541214
320-81042-30	AOC3-S5G-0.5	Total/NA	Solid	8081A	541214
320-81042-31	AOC3-S5G-2	Total/NA	Solid	8081A	541214
320-81042-32	AOC3-S5G-2 DUP	Total/NA	Solid	8081A	541214
320-81042-33	AOC3-S2G-0.5	Total/NA	Solid	8081A	541214
320-81042-34	AOC3-S2G-2	Total/NA	Solid	8081A	541214

GC Semi VOA (Continued)

Analysis Batch: 546025 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-35	AOC3-S2H-0.5	Total/NA	Solid	8081A	541224
320-81042-36	AOC3-S2H-2	Total/NA	Solid	8081A	541224
320-81042-55	AOC3-S5I-2	Total/NA	Solid	8081A	541292
MB 320-541214/1-A	Method Blank	Total/NA	Solid	8081A	541214
MB 320-541224/1-A	Method Blank	Total/NA	Solid	8081A	541224
MB 320-541292/1-A	Method Blank	Total/NA	Solid	8081A	541292
LCS 320-541214/2-A	Lab Control Sample	Total/NA	Solid	8081A	541214
LCS 320-541224/2-A	Lab Control Sample	Total/NA	Solid	8081A	541224
320-81042-18 MS	AOC3-S6G-0.5	Total/NA	Solid	8081A	541214
320-81042-18 MSD	AOC3-S6G-0.5	Total/NA	Solid	8081A	541214
320-81042-36 MS	AOC3-S2H-2	Total/NA	Solid	8081A	541224
320-81042-36 MSD	AOC3-S2H-2	Total/NA	Solid	8081A	541224

Analysis Batch: 546525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-37	AOC3-S2F-0.5	Total/NA	Solid	8081A	541224
320-81042-38	AOC3-S2F-2	Total/NA	Solid	8081A	541224
320-81042-39	AOC3-S2F-0.5 DUP	Total/NA	Solid	8081A	541224
320-81042-40	AOC3-S1F-0.5	Total/NA	Solid	8081A	541224
320-81042-41	AOC3-S1F-2	Total/NA	Solid	8081A	541224
320-81042-42	AOC3-S1G-0.5	Total/NA	Solid	8081A	541224
320-81042-43	AOC3-S1G-2	Total/NA	Solid	8081A	541224
320-81042-44	AOC3-S1H-0.5	Total/NA	Solid	8081A	541224
320-81042-45	AOC3-S1H-2	Total/NA	Solid	8081A	541224
320-81042-46	AOC3-S5H-0.5	Total/NA	Solid	8081A	541224
320-81042-47	AOC3-S5H-2	Total/NA	Solid	8081A	541224
320-81042-48	AOC3-S4H-0.5	Total/NA	Solid	8081A	541224
320-81042-49	AOC3-S4H-2	Total/NA	Solid	8081A	541224
320-81042-50	AOC3-S3H-0.5	Total/NA	Solid	8081A	541224
320-81042-51	AOC3-S3H-2	Total/NA	Solid	8081A	541224

Metals

Prep Batch: 193286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-56	EB10282021	Total/NA	Water	3010A	
MB 570-193286/1-A	Method Blank	Total/NA	Water	3010A	
LCS 570-193286/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 570-193286/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 193607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-193286/1-A	Method Blank	Total/NA	Water	6010B	193286
LCS 570-193286/2-A	Lab Control Sample	Total/NA	Water	6010B	193286
LCSD 570-193286/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	193286

Prep Batch: 193755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-1	AOC3-S6D-0.5	Total/NA	Solid	7471A	
320-81042-5	AOC3-S5E-0.5	Total/NA	Solid	7471A	
320-81042-18	AOC3-S6G-0.5	Total/NA	Solid	7471A	

Metals (Continued)

Prep Batch: 193755 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-37	AOC3-S2F-0.5	Total/NA	Solid	7471A	
320-81042-39	AOC3-S2F-0.5 DUP	Total/NA	Solid	7471A	
MB 570-193755/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-193755/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-193755/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Prep Batch: 193769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-56	EB10282021	Total/NA	Water	7470A	
MB 570-193769/1-A	Method Blank	Total/NA	Water	7470A	
LCS 570-193769/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 570-193769/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Analysis Batch: 193866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-1	AOC3-S6D-0.5	Total/NA	Solid	7471A	193755
320-81042-5	AOC3-S5E-0.5	Total/NA	Solid	7471A	193755
320-81042-18	AOC3-S6G-0.5	Total/NA	Solid	7471A	193755
320-81042-37	AOC3-S2F-0.5	Total/NA	Solid	7471A	193755
320-81042-39	AOC3-S2F-0.5 DUP	Total/NA	Solid	7471A	193755
320-81042-56	EB10282021	Total/NA	Water	7470A	193769
MB 570-193755/1-A	Method Blank	Total/NA	Solid	7471A	193755
MB 570-193769/1-A	Method Blank	Total/NA	Water	7470A	193769
LCS 570-193755/2-A	Lab Control Sample	Total/NA	Solid	7471A	193755
LCS 570-193769/2-A	Lab Control Sample	Total/NA	Water	7470A	193769
LCSD 570-193755/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	193755
LCSD 570-193769/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	193769

Analysis Batch: 193907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-56	EB10282021	Total/NA	Water	6010B	193286

Prep Batch: 539068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-1	AOC3-S6D-0.5	Total/NA	Solid	3050B	
320-81042-3	AOC3-S5D--0.5	Total/NA	Solid	3050B	
320-81042-5	AOC3-S5E-0.5	Total/NA	Solid	3050B	
320-81042-7	AOC3/AOC8-S6E-0.5	Total/NA	Solid	3050B	
320-81042-9	AOC3-S8E-0.5	Total/NA	Solid	3050B	
320-81042-12	AOC3-S9E-0.5	Total/NA	Solid	3050B	
320-81042-13	AOC3-S9E-0.5 DUP	Total/NA	Solid	3050B	
320-81042-15	AOC3-S7E-0.5	Total/NA	Solid	3050B	
320-81042-16	AOC3-S6F-0.5	Total/NA	Solid	3050B	
320-81042-18	AOC3-S6G-0.5	Total/NA	Solid	3050B	
320-81042-20	AOC3-S5F-0.5	Total/NA	Solid	3050B	
320-81042-22	AOC3-S4F-0.5	Total/NA	Solid	3050B	
320-81042-24	AOC3-S3F-0.5	Total/NA	Solid	3050B	
320-81042-26	AOC3/AOC8-S3G-0.5	Total/NA	Solid	3050B	
320-81042-28	AOC3-S4G-0.5	Total/NA	Solid	3050B	
320-81042-30	AOC3-S5G-0.5	Total/NA	Solid	3050B	
320-81042-33	AOC3-S2G-0.5	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 539068 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-35	AOC3-S2H-0.5	Total/NA	Solid	3050B	
320-81042-37	AOC3-S2F-0.5	Total/NA	Solid	3050B	
320-81042-39	AOC3-S2F-0.5 DUP	Total/NA	Solid	3050B	
MB 320-539068/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-539068/2-A	Lab Control Sample	Total/NA	Solid	3050B	
320-81042-1 MS	AOC3-S6D-0.5	Total/NA	Solid	3050B	
320-81042-1 MSD	AOC3-S6D-0.5	Total/NA	Solid	3050B	

Analysis Batch: 539464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-1	AOC3-S6D-0.5	Total/NA	Solid	6010B	539068
320-81042-3	AOC3-S5D--0.5	Total/NA	Solid	6010B	539068
320-81042-5	AOC3-S5E-0.5	Total/NA	Solid	6010B	539068
320-81042-7	AOC3/AOC8-S6E-0.5	Total/NA	Solid	6010B	539068
320-81042-9	AOC3-S8E-0.5	Total/NA	Solid	6010B	539068
320-81042-12	AOC3-S9E-0.5	Total/NA	Solid	6010B	539068
320-81042-13	AOC3-S9E-0.5 DUP	Total/NA	Solid	6010B	539068
320-81042-15	AOC3-S7E-0.5	Total/NA	Solid	6010B	539068
320-81042-16	AOC3-S6F-0.5	Total/NA	Solid	6010B	539068
320-81042-18	AOC3-S6G-0.5	Total/NA	Solid	6010B	539068
320-81042-20	AOC3-S5F-0.5	Total/NA	Solid	6010B	539068
320-81042-22	AOC3-S4F-0.5	Total/NA	Solid	6010B	539068
320-81042-24	AOC3-S3F-0.5	Total/NA	Solid	6010B	539068
320-81042-26	AOC3/AOC8-S3G-0.5	Total/NA	Solid	6010B	539068
320-81042-28	AOC3-S4G-0.5	Total/NA	Solid	6010B	539068
320-81042-30	AOC3-S5G-0.5	Total/NA	Solid	6010B	539068
320-81042-33	AOC3-S2G-0.5	Total/NA	Solid	6010B	539068
320-81042-35	AOC3-S2H-0.5	Total/NA	Solid	6010B	539068
320-81042-37	AOC3-S2F-0.5	Total/NA	Solid	6010B	539068
320-81042-39	AOC3-S2F-0.5 DUP	Total/NA	Solid	6010B	539068
MB 320-539068/1-A	Method Blank	Total/NA	Solid	6010B	539068
LCS 320-539068/2-A	Lab Control Sample	Total/NA	Solid	6010B	539068
320-81042-1 MS	AOC3-S6D-0.5	Total/NA	Solid	6010B	539068
320-81042-1 MSD	AOC3-S6D-0.5	Total/NA	Solid	6010B	539068

Prep Batch: 539628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-40	AOC3-S1F-0.5	Total/NA	Solid	3050B	
320-81042-42	AOC3-S1G-0.5	Total/NA	Solid	3050B	
320-81042-44	AOC3-S1H-0.5	Total/NA	Solid	3050B	
320-81042-46	AOC3-S5H-0.5	Total/NA	Solid	3050B	
320-81042-48	AOC3-S4H-0.5	Total/NA	Solid	3050B	
320-81042-50	AOC3-S3H-0.5	Total/NA	Solid	3050B	
320-81042-52	AOC3-S4I-0.5	Total/NA	Solid	3050B	
320-81042-54	AOC3-S5I-0.5	Total/NA	Solid	3050B	
MB 320-539628/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-539628/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 539835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-1	AOC3-S6D-0.5	Total/NA	Solid	6010B	539068

Metals (Continued)

Analysis Batch: 539835 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-5	AOC3-S5E-0.5	Total/NA	Solid	6010B	539068
320-81042-18	AOC3-S6G-0.5	Total/NA	Solid	6010B	539068
320-81042-37	AOC3-S2F-0.5	Total/NA	Solid	6010B	539068
320-81042-39	AOC3-S2F-0.5 DUP	Total/NA	Solid	6010B	539068
MB 320-539068/1-A	Method Blank	Total/NA	Solid	6010B	539068
LCS 320-539068/2-A	Lab Control Sample	Total/NA	Solid	6010B	539068
320-81042-1 MS	AOC3-S6D-0.5	Total/NA	Solid	6010B	539068
320-81042-1 MSD	AOC3-S6D-0.5	Total/NA	Solid	6010B	539068

Analysis Batch: 540178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-40	AOC3-S1F-0.5	Total/NA	Solid	6010B	539628
320-81042-42	AOC3-S1G-0.5	Total/NA	Solid	6010B	539628
320-81042-44	AOC3-S1H-0.5	Total/NA	Solid	6010B	539628
320-81042-46	AOC3-S5H-0.5	Total/NA	Solid	6010B	539628
320-81042-48	AOC3-S4H-0.5	Total/NA	Solid	6010B	539628
320-81042-50	AOC3-S3H-0.5	Total/NA	Solid	6010B	539628
320-81042-52	AOC3-S4I-0.5	Total/NA	Solid	6010B	539628
320-81042-54	AOC3-S5I-0.5	Total/NA	Solid	6010B	539628
MB 320-539628/1-A	Method Blank	Total/NA	Solid	6010B	539628
LCS 320-539628/2-A	Lab Control Sample	Total/NA	Solid	6010B	539628

Client Sample ID: AOC3-S6D-0.5

Lab Sample ID: 320-81042-1

Date Collected: 10/28/21 08:27

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.11 g	5 mL	541017	11/08/21 15:14	NGK	TAL SAC
Total/NA	Analysis	8081A		20			545685	11/24/21 17:11	K1D	TAL SAC
Total/NA	Prep	3546			15.11 g	5 mL	541026	11/08/21 15:15	NGK	TAL SAC
Total/NA	Analysis	8082		1			543943	11/18/21 21:50	K1D	TAL SAC
Total/NA	Prep	3050B			0.97 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 18:43	GSH	TAL SAC
Total/NA	Prep	3050B			0.97 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539835	11/03/21 16:47	GSH	TAL SAC
Total/NA	Prep	7471A			.63 g	100 mL	193755	11/12/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			193866	11/12/21 11:37	VWJ7	ECL 1

Client Sample ID: AOC3-S6D-2

Lab Sample ID: 320-81042-2

Date Collected: 10/28/21 08:28

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.35 g	5 mL	541017	11/08/21 15:14	NGK	TAL SAC
Total/NA	Analysis	8081A		5			545685	11/24/21 17:30	K1D	TAL SAC

Client Sample ID: AOC3-S5D--0.5

Lab Sample ID: 320-81042-3

Date Collected: 10/28/21 08:27

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.31 g	5 mL	541017	11/08/21 15:14	NGK	TAL SAC
Total/NA	Analysis	8081A		20			545685	11/24/21 17:49	K1D	TAL SAC
Total/NA	Prep	3546			15.31 g	5 mL	541026	11/08/21 15:15	NGK	TAL SAC
Total/NA	Analysis	8082		1			543943	11/18/21 22:10	K1D	TAL SAC
Total/NA	Prep	3050B			1.04 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 19:09	GSH	TAL SAC

Client Sample ID: AOC3-S5D-2

Lab Sample ID: 320-81042-4

Date Collected: 10/28/21 08:29

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.94 g	5 mL	541017	11/08/21 15:14	NGK	TAL SAC
Total/NA	Analysis	8081A		5			545685	11/24/21 18:08	K1D	TAL SAC

Client Sample ID: AOC3-S5E-0.5

Lab Sample ID: 320-81042-5

Date Collected: 10/28/21 08:34

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.19 g	5 mL	541017	11/08/21 15:14	NGK	TAL SAC
Total/NA	Analysis	8081A		20			545685	11/24/21 18:27	K1D	TAL SAC

Client Sample ID: AOC3-S5E-0.5
Lab Sample ID: 320-81042-5
Date Collected: 10/28/21 08:34
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.19 g	5 mL	541026	11/08/21 15:15	NGK	TAL SAC
Total/NA	Analysis	8082		1			543943	11/18/21 22:31	K1D	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 19:13	GSH	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539835	11/03/21 17:06	GSH	TAL SAC
Total/NA	Prep	7471A			.59 g	100 mL	193755	11/12/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			193866	11/12/21 11:39	VWJ7	ECL 1

Client Sample ID: AOC3-S5E-2
Lab Sample ID: 320-81042-6
Date Collected: 10/28/21 08:35
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.99 g	5 mL	541017	11/08/21 15:14	NGK	TAL SAC
Total/NA	Analysis	8081A		2			545685	11/24/21 18:46	K1D	TAL SAC

Client Sample ID: AOC3/AOC8-S6E-0.5
Lab Sample ID: 320-81042-7
Date Collected: 10/28/21 08:41
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.56 g	5 mL	541017	11/08/21 15:14	NGK	TAL SAC
Total/NA	Analysis	8081A		20			545685	11/24/21 19:04	K1D	TAL SAC
Total/NA	Prep	3546			15.56 g	5 mL	541026	11/08/21 15:15	NGK	TAL SAC
Total/NA	Analysis	8082		1			543943	11/18/21 22:51	K1D	TAL SAC
Total/NA	Prep	3050B			0.98 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 19:17	GSH	TAL SAC

Client Sample ID: AOC3/AOC8-S6E-2
Lab Sample ID: 320-81042-8
Date Collected: 10/28/21 08:42
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.34 g	5 mL	541017	11/08/21 15:14	NGK	TAL SAC
Total/NA	Analysis	8081A		1			545685	11/24/21 19:23	K1D	TAL SAC

Client Sample ID: AOC3-S8E-0.5
Lab Sample ID: 320-81042-9
Date Collected: 10/28/21 08:58
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.81 g	5 mL	541017	11/08/21 15:14	NGK	TAL SAC
Total/NA	Analysis	8081A		10			545685	11/24/21 19:42	K1D	TAL SAC
Total/NA	Prep	3546			15.81 g	5 mL	541026	11/08/21 15:15	NGK	TAL SAC
Total/NA	Analysis	8082		1			543943	11/18/21 23:12	K1D	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S8E-0.5

Lab Sample ID: 320-81042-9
Date Collected: 10/28/21 08:58
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.00 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 19:21	GSH	TAL SAC

Client Sample ID: AOC3-S8E-2

Lab Sample ID: 320-81042-10
Date Collected: 10/28/21 08:59
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.26 g	5 mL	541017	11/08/21 15:14	NGK	TAL SAC
Total/NA	Analysis	8081A		5			545685	11/24/21 20:01	K1D	TAL SAC

Client Sample ID: AOC3-S7E-2

Lab Sample ID: 320-81042-11
Date Collected: 10/28/21 09:01
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.38 g	5 mL	541017	11/08/21 15:14	NGK	TAL SAC
Total/NA	Analysis	8081A		1			545685	11/24/21 20:20	K1D	TAL SAC

Client Sample ID: AOC3-S9E-0.5

Lab Sample ID: 320-81042-12
Date Collected: 10/28/21 09:00
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.32 g	5 mL	541017	11/08/21 15:14	NGK	TAL SAC
Total/NA	Analysis	8081A		20			545685	11/24/21 20:39	K1D	TAL SAC
Total/NA	Prep	3546			15.32 g	5 mL	541026	11/08/21 15:15	NGK	TAL SAC
Total/NA	Analysis	8082		1			543943	11/18/21 23:33	K1D	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 19:25	GSH	TAL SAC

Client Sample ID: AOC3-S9E-0.5 DUP

Lab Sample ID: 320-81042-13
Date Collected: 10/28/21 09:01
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.24 g	5 mL	541017	11/08/21 15:14	NGK	TAL SAC
Total/NA	Analysis	8081A		20			545685	11/24/21 20:58	K1D	TAL SAC
Total/NA	Prep	3546			15.24 g	5 mL	541026	11/08/21 15:15	NGK	TAL SAC
Total/NA	Analysis	8082		1			543943	11/18/21 23:53	K1D	TAL SAC
Total/NA	Prep	3050B			1.04 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 19:29	GSH	TAL SAC

Client Sample ID: AOC3-S9E-2

Lab Sample ID: 320-81042-14

Date Collected: 10/28/21 09:02

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.28 g	5 mL	541017	11/08/21 15:14	NGK	TAL SAC
Total/NA	Analysis	8081A		1			545685	11/24/21 21:16	K1D	TAL SAC

Client Sample ID: AOC3-S7E-0.5

Lab Sample ID: 320-81042-15

Date Collected: 10/28/21 09:12

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.21 g	5 mL	541017	11/08/21 15:14	NGK	TAL SAC
Total/NA	Analysis	8081A		20			545685	11/24/21 21:35	K1D	TAL SAC
Total/NA	Prep	3546			15.21 g	5 mL	541026	11/08/21 15:15	NGK	TAL SAC
Total/NA	Analysis	8082		1			543943	11/19/21 00:14	K1D	TAL SAC
Total/NA	Prep	3050B			0.99 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 19:32	GSH	TAL SAC

Client Sample ID: AOC3-S6F-0.5

Lab Sample ID: 320-81042-16

Date Collected: 10/28/21 09:10

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.48 g	5 mL	541017	11/08/21 15:14	NGK	TAL SAC
Total/NA	Analysis	8081A		20			545685	11/24/21 21:54	K1D	TAL SAC
Total/NA	Prep	3546			15.48 g	5 mL	541026	11/08/21 15:15	NGK	TAL SAC
Total/NA	Analysis	8082		1			544884	11/22/21 17:44	K1D	TAL SAC
Total/NA	Prep	3050B			0.98 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 19:36	GSH	TAL SAC

Client Sample ID: AOC3-S6F-2

Lab Sample ID: 320-81042-17

Date Collected: 10/28/21 09:12

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.09 g	5 mL	541017	11/08/21 15:14	NGK	TAL SAC
Total/NA	Analysis	8081A		2			545685	11/24/21 22:51	K1D	TAL SAC

Client Sample ID: AOC3-S6G-0.5

Lab Sample ID: 320-81042-18

Date Collected: 10/28/21 09:56

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.51 g	5 mL	541214	11/09/21 08:55	NGK	TAL SAC
Total/NA	Analysis	8081A		20			546025	11/26/21 15:41	K1D	TAL SAC
Total/NA	Prep	3546			15.51 g	5 mL	541215	11/09/21 09:03	NGK	TAL SAC
Total/NA	Analysis	8082		5			544372	11/19/21 23:25	K1D	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 19:48	GSH	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S6G-0.5
Date Collected: 10/28/21 09:56
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-18
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			1.00 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539835	11/03/21 17:10	GSH	TAL SAC
Total/NA	Prep	7471A			.61 g	100 mL	193755	11/12/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			193866	11/12/21 11:41	VWJ7	ECL 1

Client Sample ID: AOC3-S6G-2
Date Collected: 10/28/21 09:58
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-19
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	3546			15.37 g	5 mL	541214	11/09/21 08:55	NGK	TAL SAC
Total/NA	Analysis	8081A		20			546025	11/26/21 16:38	K1D	TAL SAC

Client Sample ID: AOC3-S5F-0.5
Date Collected: 10/28/21 09:58
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-20
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	3546			15.12 g	5 mL	541214	11/09/21 08:55	NGK	TAL SAC
Total/NA	Analysis	8081A		20			546025	11/26/21 16:57	K1D	TAL SAC
Total/NA	Prep	3546			15.12 g	5 mL	541215	11/09/21 09:03	NGK	TAL SAC
Total/NA	Analysis	8082		5			544372	11/19/21 23:45	K1D	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 19:51	GSH	TAL SAC

Client Sample ID: AOC3-S5F-2
Date Collected: 10/28/21 09:59
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-21
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	3546			15.48 g	5 mL	541214	11/09/21 08:55	NGK	TAL SAC
Total/NA	Analysis	8081A		2			546025	11/26/21 17:16	K1D	TAL SAC

Client Sample ID: AOC3-S4F-0.5
Date Collected: 10/28/21 10:02
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-22
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	3546			15.19 g	5 mL	541214	11/09/21 08:55	NGK	TAL SAC
Total/NA	Analysis	8081A		20			546025	11/26/21 17:35	K1D	TAL SAC
Total/NA	Prep	3546			15.19 g	5 mL	541215	11/09/21 09:03	NGK	TAL SAC
Total/NA	Analysis	8082		5			544372	11/20/21 00:05	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 19:55	GSH	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S4F-2
Lab Sample ID: 320-81042-23
Date Collected: 10/28/21 10:04
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.43 g	5 mL	541214	11/09/21 08:55	NGK	TAL SAC
Total/NA	Analysis	8081A		10			546025	11/26/21 17:53	K1D	TAL SAC

Client Sample ID: AOC3-S3F-0.5
Lab Sample ID: 320-81042-24
Date Collected: 10/28/21 10:05
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.39 g	5 mL	541214	11/09/21 08:55	NGK	TAL SAC
Total/NA	Analysis	8081A		50			546025	11/26/21 18:12	K1D	TAL SAC
Total/NA	Prep	3546			15.39 g	5 mL	541215	11/09/21 09:03	NGK	TAL SAC
Total/NA	Analysis	8082		5			544372	11/20/21 00:25	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 19:59	GSH	TAL SAC

Client Sample ID: AOC3-S3F-2
Lab Sample ID: 320-81042-25
Date Collected: 10/28/21 10:07
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.02 g	5 mL	541214	11/09/21 08:55	NGK	TAL SAC
Total/NA	Analysis	8081A		2			546025	11/26/21 18:31	K1D	TAL SAC

Client Sample ID: AOC3/AOC8-S3G-0.5
Lab Sample ID: 320-81042-26
Date Collected: 10/28/21 10:11
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.55 g	5 mL	541214	11/09/21 08:55	NGK	TAL SAC
Total/NA	Analysis	8081A		20			546025	11/26/21 18:50	K1D	TAL SAC
Total/NA	Prep	3546			15.55 g	5 mL	541215	11/09/21 09:03	NGK	TAL SAC
Total/NA	Analysis	8082		5			544372	11/20/21 00:45	K1D	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 20:03	GSH	TAL SAC

Client Sample ID: AOC3/AOC8-S3G-2
Lab Sample ID: 320-81042-27
Date Collected: 10/28/21 10:19
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.41 g	5 mL	541214	11/09/21 08:55	NGK	TAL SAC
Total/NA	Analysis	8081A		5			546025	11/26/21 19:09	K1D	TAL SAC

Client Sample ID: AOC3-S4G-0.5

Lab Sample ID: 320-81042-28

Date Collected: 10/28/21 10:22

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.05 g	5 mL	541214	11/09/21 08:55	NGK	TAL SAC
Total/NA	Analysis	8081A		50			546025	11/26/21 19:28	K1D	TAL SAC
Total/NA	Prep	3546			15.05 g	5 mL	541215	11/09/21 09:03	NGK	TAL SAC
Total/NA	Analysis	8082		5			544372	11/20/21 01:05	K1D	TAL SAC
Total/NA	Prep	3050B			0.99 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 20:07	GSH	TAL SAC

Client Sample ID: AOC3-S4G-2

Lab Sample ID: 320-81042-29

Date Collected: 10/28/21 10:24

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.26 g	5 mL	541214	11/09/21 08:55	NGK	TAL SAC
Total/NA	Analysis	8081A		2			546025	11/26/21 19:47	K1D	TAL SAC

Client Sample ID: AOC3-S5G-0.5

Lab Sample ID: 320-81042-30

Date Collected: 10/28/21 10:31

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.54 g	5 mL	541214	11/09/21 08:55	NGK	TAL SAC
Total/NA	Analysis	8081A		50			546025	11/26/21 20:06	K1D	TAL SAC
Total/NA	Prep	3546			15.54 g	5 mL	541215	11/09/21 09:03	NGK	TAL SAC
Total/NA	Analysis	8082		5			544372	11/20/21 01:25	K1D	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 20:10	GSH	TAL SAC

Client Sample ID: AOC3-S5G-2

Lab Sample ID: 320-81042-31

Date Collected: 10/28/21 10:32

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.68 g	5 mL	541214	11/09/21 08:55	NGK	TAL SAC
Total/NA	Analysis	8081A		2			546025	11/26/21 20:25	K1D	TAL SAC

Client Sample ID: AOC3-S5G-2 DUP

Lab Sample ID: 320-81042-32

Date Collected: 10/28/21 10:32

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.64 g	5 mL	541214	11/09/21 08:55	NGK	TAL SAC
Total/NA	Analysis	8081A		2			546025	11/26/21 20:44	K1D	TAL SAC

Client Sample ID: AOC3-S2G-0.5

Lab Sample ID: 320-81042-33

Date Collected: 10/28/21 11:02

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.18 g	5 mL	541214	11/09/21 08:55	NGK	TAL SAC
Total/NA	Analysis	8081A		20			546025	11/26/21 21:02	K1D	TAL SAC
Total/NA	Prep	3546			15.18 g	5 mL	541215	11/09/21 09:03	NGK	TAL SAC
Total/NA	Analysis	8082		1			544372	11/20/21 01:45	K1D	TAL SAC
Total/NA	Prep	3050B			0.96 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 20:14	GSH	TAL SAC

Client Sample ID: AOC3-S2G-2

Lab Sample ID: 320-81042-34

Date Collected: 10/28/21 11:03

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	5 mL	541214	11/09/21 08:55	NGK	TAL SAC
Total/NA	Analysis	8081A		2			546025	11/26/21 21:21	K1D	TAL SAC

Client Sample ID: AOC3-S2H-0.5

Lab Sample ID: 320-81042-35

Date Collected: 10/28/21 11:01

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.23 g	5 mL	541224	11/09/21 09:28	SJ	TAL SAC
Total/NA	Analysis	8081A		20			546025	11/26/21 22:18	K1D	TAL SAC
Total/NA	Prep	3546			15.23 g	5 mL	541228	11/09/21 09:41	SJ	TAL SAC
Total/NA	Analysis	8082		1			544372	11/19/21 19:46	K1D	TAL SAC
Total/NA	Prep	3050B			0.98 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 20:18	GSH	TAL SAC

Client Sample ID: AOC3-S2H-2

Lab Sample ID: 320-81042-36

Date Collected: 10/28/21 11:03

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.40 g	5 mL	541224	11/09/21 09:28	SJ	TAL SAC
Total/NA	Analysis	8081A		10			546025	11/26/21 22:37	K1D	TAL SAC

Client Sample ID: AOC3-S2F-0.5

Lab Sample ID: 320-81042-37

Date Collected: 10/28/21 11:08

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.55 g	5 mL	541224	11/09/21 09:28	SJ	TAL SAC
Total/NA	Analysis	8081A		10			546525	11/29/21 18:16	K1D	TAL SAC
Total/NA	Prep	3546			15.55 g	5 mL	541228	11/09/21 09:41	SJ	TAL SAC
Total/NA	Analysis	8082		1			544372	11/19/21 20:06	K1D	TAL SAC
Total/NA	Prep	3050B			1.71 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 20:22	GSH	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S2F-0.5

Lab Sample ID: 320-81042-37

Date Collected: 10/28/21 11:08

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.71 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539835	11/03/21 17:21	GSH	TAL SAC
Total/NA	Prep	7471A			.60 g	100 mL	193755	11/12/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			193866	11/12/21 11:43	VWJ7	ECL 1

Client Sample ID: AOC3-S2F-2

Lab Sample ID: 320-81042-38

Date Collected: 10/28/21 11:10

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.58 g	5 mL	541224	11/09/21 09:28	SJ	TAL SAC
Total/NA	Analysis	8081A		1			546525	11/29/21 18:35	K1D	TAL SAC

Client Sample ID: AOC3-S2F-0.5 DUP

Lab Sample ID: 320-81042-39

Date Collected: 10/28/21 11:08

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.47 g	5 mL	541224	11/09/21 09:28	SJ	TAL SAC
Total/NA	Analysis	8081A		10			546525	11/29/21 18:54	K1D	TAL SAC
Total/NA	Prep	3546			15.47 g	5 mL	541228	11/09/21 09:41	SJ	TAL SAC
Total/NA	Analysis	8082		1			544372	11/19/21 20:26	K1D	TAL SAC
Total/NA	Prep	3050B			1.06 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539464	11/02/21 20:33	GSH	TAL SAC
Total/NA	Prep	3050B			1.06 g	100 mL	539068	11/02/21 06:55	NIM	TAL SAC
Total/NA	Analysis	6010B		1			539835	11/03/21 17:25	GSH	TAL SAC
Total/NA	Prep	7471A			.59 g	100 mL	193755	11/12/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			193866	11/12/21 11:44	VWJ7	ECL 1

Client Sample ID: AOC3-S1F-0.5

Lab Sample ID: 320-81042-40

Date Collected: 10/28/21 11:13

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.62 g	5 mL	541224	11/09/21 09:28	SJ	TAL SAC
Total/NA	Analysis	8081A		20			546525	11/29/21 19:12	K1D	TAL SAC
Total/NA	Prep	3546			15.62 g	5 mL	541228	11/09/21 09:41	SJ	TAL SAC
Total/NA	Analysis	8082		1			544372	11/19/21 20:46	K1D	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	539628	11/03/21 13:32	JP	TAL SAC
Total/NA	Analysis	6010B		1			540178	11/04/21 11:03	GSH	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S1F-2

Lab Sample ID: 320-81042-41
Date Collected: 10/28/21 11:14
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.12 g	5 mL	541224	11/09/21 09:28	SJ	TAL SAC
Total/NA	Analysis	8081A		1			546525	11/29/21 19:31	K1D	TAL SAC

Client Sample ID: AOC3-S1G-0.5

Lab Sample ID: 320-81042-42
Date Collected: 10/28/21 11:21
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.48 g	5 mL	541224	11/09/21 09:28	SJ	TAL SAC
Total/NA	Analysis	8081A		20			546525	11/29/21 19:50	K1D	TAL SAC
Total/NA	Prep	3546			15.48 g	5 mL	541228	11/09/21 09:41	SJ	TAL SAC
Total/NA	Analysis	8082		1			544372	11/19/21 21:05	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	539628	11/03/21 13:32	JP	TAL SAC
Total/NA	Analysis	6010B		1			540178	11/04/21 11:07	GSH	TAL SAC

Client Sample ID: AOC3-S1G-2

Lab Sample ID: 320-81042-43
Date Collected: 10/28/21 11:22
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.59 g	5 mL	541224	11/09/21 09:28	SJ	TAL SAC
Total/NA	Analysis	8081A		1			546525	11/29/21 20:09	K1D	TAL SAC

Client Sample ID: AOC3-S1H-0.5

Lab Sample ID: 320-81042-44
Date Collected: 10/28/21 11:24
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.58 g	5 mL	541224	11/09/21 09:28	SJ	TAL SAC
Total/NA	Analysis	8081A		20			546525	11/29/21 20:28	K1D	TAL SAC
Total/NA	Prep	3546			15.58 g	5 mL	541228	11/09/21 09:41	SJ	TAL SAC
Total/NA	Analysis	8082		1			544372	11/19/21 21:25	K1D	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	539628	11/03/21 13:32	JP	TAL SAC
Total/NA	Analysis	6010B		1			540178	11/04/21 11:20	GSH	TAL SAC

Client Sample ID: AOC3-S1H-2

Lab Sample ID: 320-81042-45
Date Collected: 10/28/21 11:25
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.83 g	5 mL	541224	11/09/21 09:28	SJ	TAL SAC
Total/NA	Analysis	8081A		1			546525	11/29/21 20:47	K1D	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S5H-0.5
Lab Sample ID: 320-81042-46
Date Collected: 10/28/21 11:57
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.98 g	5 mL	541224	11/09/21 09:28	SJ	TAL SAC
Total/NA	Analysis	8081A		20			546525	11/29/21 21:06	K1D	TAL SAC
Total/NA	Prep	3546			15.98 g	5 mL	541228	11/09/21 09:41	SJ	TAL SAC
Total/NA	Analysis	8082		1			544372	11/19/21 21:45	K1D	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	539628	11/03/21 13:32	JP	TAL SAC
Total/NA	Analysis	6010B		1			540178	11/04/21 11:25	GSH	TAL SAC

Client Sample ID: AOC3-S5H-2
Lab Sample ID: 320-81042-47
Date Collected: 10/28/21 11:59
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.84 g	5 mL	541224	11/09/21 09:28	SJ	TAL SAC
Total/NA	Analysis	8081A		1			546525	11/29/21 21:25	K1D	TAL SAC

Client Sample ID: AOC3-S4H-0.5
Lab Sample ID: 320-81042-48
Date Collected: 10/28/21 12:00
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.41 g	5 mL	541224	11/09/21 09:28	SJ	TAL SAC
Total/NA	Analysis	8081A		10			546525	11/29/21 21:43	K1D	TAL SAC
Total/NA	Prep	3546			15.41 g	5 mL	541228	11/09/21 09:41	SJ	TAL SAC
Total/NA	Analysis	8082		1			544372	11/19/21 22:05	K1D	TAL SAC
Total/NA	Prep	3050B			1.05 g	100 mL	539628	11/03/21 13:32	JP	TAL SAC
Total/NA	Analysis	6010B		1			540178	11/04/21 11:29	GSH	TAL SAC

Client Sample ID: AOC3-S4H-2
Lab Sample ID: 320-81042-49
Date Collected: 10/28/21 12:02
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.22 g	5 mL	541224	11/09/21 09:28	SJ	TAL SAC
Total/NA	Analysis	8081A		1			546525	11/29/21 22:02	K1D	TAL SAC

Client Sample ID: AOC3-S3H-0.5
Lab Sample ID: 320-81042-50
Date Collected: 10/28/21 12:04
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.29 g	5 mL	541224	11/09/21 09:28	SJ	TAL SAC
Total/NA	Analysis	8081A		20			546525	11/29/21 22:21	K1D	TAL SAC
Total/NA	Prep	3546			15.29 g	5 mL	541228	11/09/21 09:41	SJ	TAL SAC
Total/NA	Analysis	8082		1			544372	11/19/21 22:25	K1D	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	539628	11/03/21 13:32	JP	TAL SAC
Total/NA	Analysis	6010B		1			540178	11/04/21 11:33	GSH	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: AOC3-S3H-2

Lab Sample ID: 320-81042-51
Date Collected: 10/28/21 12:06
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.68 g	5 mL	541224	11/09/21 09:28	SJ	TAL SAC
Total/NA	Analysis	8081A		1			546525	11/29/21 22:40	K1D	TAL SAC

Client Sample ID: AOC3-S4I-0.5

Lab Sample ID: 320-81042-52
Date Collected: 10/28/21 12:15
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.55 g	5 mL	541292	11/09/21 11:27	SJ	TAL SAC
Total/NA	Analysis	8081A		10			545685	11/24/21 23:47	K1D	TAL SAC
Total/NA	Prep	3546			15.55 g	5 mL	541298	11/09/21 11:44	SJ	TAL SAC
Total/NA	Analysis	8082		1			543860	11/18/21 20:25	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	539628	11/03/21 13:32	JP	TAL SAC
Total/NA	Analysis	6010B		1			540178	11/04/21 11:38	GSH	TAL SAC

Client Sample ID: AOC3-S4I-2

Lab Sample ID: 320-81042-53
Date Collected: 10/28/21 12:17
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.68 g	5 mL	541292	11/09/21 11:27	SJ	TAL SAC
Total/NA	Analysis	8081A		5			545685	11/25/21 00:06	K1D	TAL SAC

Client Sample ID: AOC3-S5I-0.5

Lab Sample ID: 320-81042-54
Date Collected: 10/28/21 12:26
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.73 g	5 mL	541292	11/09/21 11:27	SJ	TAL SAC
Total/NA	Analysis	8081A		10			545685	11/25/21 00:25	K1D	TAL SAC
Total/NA	Prep	3546			15.73 g	5 mL	541298	11/09/21 11:44	SJ	TAL SAC
Total/NA	Analysis	8082		1			543860	11/18/21 20:45	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	539628	11/03/21 13:32	JP	TAL SAC
Total/NA	Analysis	6010B		1			540178	11/04/21 11:42	GSH	TAL SAC

Client Sample ID: AOC3-S5I-2

Lab Sample ID: 320-81042-55
Date Collected: 10/28/21 12:28
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.23 g	5 mL	541292	11/09/21 11:27	SJ	TAL SAC
Total/NA	Analysis	8081A		5			546025	11/26/21 23:34	K1D	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Client Sample ID: EB10282021

Date Collected: 10/28/21 12:50
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-56

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1033.1 mL	10 mL	539998	11/04/21 13:37	NGK	TAL SAC
Total/NA	Analysis	8081A		1			542188	11/13/21 01:19	K1D	TAL SAC
Total/NA	Prep	3510C			1033.1 mL	10 mL	539996	11/04/21 13:35	NGK	TAL SAC
Total/NA	Analysis	8082		1			542927	11/15/21 18:25	K1D	TAL SAC
Total/NA	Prep	3010A			50 mL	50 mL	193286	11/10/21 14:08	WL8G	ECL 1
Total/NA	Analysis	6010B		1			193907	11/12/21 17:25	ULPF	ECL 1
Total/NA	Prep	7470A			50 mL	100 mL	193769	11/12/21 06:21	WL8G	ECL 1
Total/NA	Analysis	7470A		1			193866	11/12/21 12:52	VWJ7	ECL 1

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-22

Laboratory: Eurofins Calscience LLC

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

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

Method Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Method	Method Description	Protocol	Laboratory
8081A	Organochlorine Pesticides (GC)	SW846	TAL SAC
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL SAC
6010B	Metals (ICP)	SW846	ECL 1
6010B	Metals (ICP)	SW846	TAL SAC
7470A	Mercury (CVAA)	SW846	ECL 1
7471A	Mercury (CVAA)	SW846	ECL 1
3010A	Preparation, Total Metals	SW846	ECL 1
3050B	Preparation, Metals	SW846	TAL SAC
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL SAC
3546	Microwave Extraction	SW846	TAL SAC
7470A	Preparation, Mercury	SW846	ECL 1
7471A	Preparation, Mercury	SW846	ECL 1

Protocol References:

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-81042-1	AOC3-S6D-0.5	Solid	10/28/21 08:27	10/29/21 14:21
320-81042-2	AOC3-S6D-2	Solid	10/28/21 08:28	10/29/21 14:21
320-81042-3	AOC3-S5D--0.5	Solid	10/28/21 08:27	10/29/21 14:21
320-81042-4	AOC3-S5D-2	Solid	10/28/21 08:29	10/29/21 14:21
320-81042-5	AOC3-S5E-0.5	Solid	10/28/21 08:34	10/29/21 14:21
320-81042-6	AOC3-S5E-2	Solid	10/28/21 08:35	10/29/21 14:21
320-81042-7	AOC3/AOC8-S6E-0.5	Solid	10/28/21 08:41	10/29/21 14:21
320-81042-8	AOC3/AOC8-S6E-2	Solid	10/28/21 08:42	10/29/21 14:21
320-81042-9	AOC3-S8E-0.5	Solid	10/28/21 08:58	10/29/21 14:21
320-81042-10	AOC3-S8E-2	Solid	10/28/21 08:59	10/29/21 14:21
320-81042-11	AOC3-S7E-2	Solid	10/28/21 09:01	10/29/21 14:21
320-81042-12	AOC3-S9E-0.5	Solid	10/28/21 09:00	10/29/21 14:21
320-81042-13	AOC3-S9E-0.5 DUP	Solid	10/28/21 09:01	10/29/21 14:21
320-81042-14	AOC3-S9E-2	Solid	10/28/21 09:02	10/29/21 14:21
320-81042-15	AOC3-S7E-0.5	Solid	10/28/21 09:12	10/29/21 14:21
320-81042-16	AOC3-S6F-0.5	Solid	10/28/21 09:10	10/29/21 14:21
320-81042-17	AOC3-S6F-2	Solid	10/28/21 09:12	10/29/21 14:21
320-81042-18	AOC3-S6G-0.5	Solid	10/28/21 09:56	10/29/21 14:21
320-81042-19	AOC3-S6G-2	Solid	10/28/21 09:58	10/29/21 14:21
320-81042-20	AOC3-S5F-0.5	Solid	10/28/21 09:58	10/29/21 14:21
320-81042-21	AOC3-S5F-2	Solid	10/28/21 09:59	10/29/21 14:21
320-81042-22	AOC3-S4F-0.5	Solid	10/28/21 10:02	10/29/21 14:21
320-81042-23	AOC3-S4F-2	Solid	10/28/21 10:04	10/29/21 14:21
320-81042-24	AOC3-S3F-0.5	Solid	10/28/21 10:05	10/29/21 14:21
320-81042-25	AOC3-S3F-2	Solid	10/28/21 10:07	10/29/21 14:21
320-81042-26	AOC3/AOC8-S3G-0.5	Solid	10/28/21 10:11	10/29/21 14:21
320-81042-27	AOC3/AOC8-S3G-2	Solid	10/28/21 10:19	10/29/21 14:21
320-81042-28	AOC3-S4G-0.5	Solid	10/28/21 10:22	10/29/21 14:21
320-81042-29	AOC3-S4G-2	Solid	10/28/21 10:24	10/29/21 14:21
320-81042-30	AOC3-S5G-0.5	Solid	10/28/21 10:31	10/29/21 14:21
320-81042-31	AOC3-S5G-2	Solid	10/28/21 10:32	10/29/21 14:21
320-81042-32	AOC3-S5G-2 DUP	Solid	10/28/21 10:32	10/29/21 14:21
320-81042-33	AOC3-S2G-0.5	Solid	10/28/21 11:02	10/29/21 14:21
320-81042-34	AOC3-S2G-2	Solid	10/28/21 11:03	10/29/21 14:21
320-81042-35	AOC3-S2H-0.5	Solid	10/28/21 11:01	10/29/21 14:21
320-81042-36	AOC3-S2H-2	Solid	10/28/21 11:03	10/29/21 14:21
320-81042-37	AOC3-S2F-0.5	Solid	10/28/21 11:08	10/29/21 14:21
320-81042-38	AOC3-S2F-2	Solid	10/28/21 11:10	10/29/21 14:21
320-81042-39	AOC3-S2F-0.5 DUP	Solid	10/28/21 11:08	10/29/21 14:21
320-81042-40	AOC3-S1F-0.5	Solid	10/28/21 11:13	10/29/21 14:21
320-81042-41	AOC3-S1F-2	Solid	10/28/21 11:14	10/29/21 14:21
320-81042-42	AOC3-S1G-0.5	Solid	10/28/21 11:21	10/29/21 14:21
320-81042-43	AOC3-S1G-2	Solid	10/28/21 11:22	10/29/21 14:21
320-81042-44	AOC3-S1H-0.5	Solid	10/28/21 11:24	10/29/21 14:21
320-81042-45	AOC3-S1H-2	Solid	10/28/21 11:25	10/29/21 14:21
320-81042-46	AOC3-S5H-0.5	Solid	10/28/21 11:57	10/29/21 14:21
320-81042-47	AOC3-S5H-2	Solid	10/28/21 11:59	10/29/21 14:21
320-81042-48	AOC3-S4H-0.5	Solid	10/28/21 12:00	10/29/21 14:21
320-81042-49	AOC3-S4H-2	Solid	10/28/21 12:02	10/29/21 14:21
320-81042-50	AOC3-S3H-0.5	Solid	10/28/21 12:04	10/29/21 14:21
320-81042-51	AOC3-S3H-2	Solid	10/28/21 12:06	10/29/21 14:21
320-81042-52	AOC3-S4I-0.5	Solid	10/28/21 12:15	10/29/21 14:21
320-81042-53	AOC3-S4I-2	Solid	10/28/21 12:17	10/29/21 14:21
320-81042-54	AOC3-S5I-0.5	Solid	10/28/21 12:26	10/29/21 14:21
320-81042-55	AOC3-S5I-2	Solid	10/28/21 12:28	10/29/21 14:21

Sample Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-81042-56	EB10282021	Water	10/28/21 12:50	10/29/21 14:21

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

320-81042

301259

eurofins

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemeco	Date: 10/28/21	COC No: 1
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: Test America	1 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNR/NES
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below ____			Lab Sampling:
Project Name: Cole School PEA	☑ 2 weeks			Job / SDG No
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC3-S6D-0.5	10/28/21	0827	G	Soil	1					X		X	X			
AOC3-S6D-2		0828										X				
AOC3-S5D-0.5		08:27										X	X		X	
AOC3-S5D-2		08:29										X				
AOC3-S5E-0.5		08:34								X		X	X			
AOC3-S5E-2		08:35										X				
AOC3/AOC8-S6E-0.5		08:41										X	X	X	X	
AOC3/AOC8-S6E-2		08:42										X		X		
AOC3-S8E-0.5		0858										X	X		X	
AOC3-S8E-2		0859										X				
AOC3-S7E-2		0901										X				

320-81042 Chain of Custody

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for ____ Months

Special Instructions/QC Requirements & Comments:
Hold samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp (°C): Obs'd. ____ Corr'd. ____ Therm ID No. ____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Daysi Nemeco (Secured location Alameda office)	N&M	10/28/21 14:34	Leslie Jung	N&M	10/28 1431
Leslie Jung	N&M	10/29/21 13:07	C. Fisher	ETA SJ	10/29/21 13.07
C. Fisher	ETA SJ	10/29/21 14-21		TestAmerica SJ	10/29/21 1421

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

10, 1.8 / 3.5, C°

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12/15/2021 (Rev. 1)

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500
phone 916.373 5600 fax 303.467 7248

Chain of Custody Record

320-81042

301259

eurofins Environment Testing TestAmerica

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemecio	Date: 10/28/2021	COC No: 1
Ninyo & Moore	Email. ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: Test America	2 of 6 COCs
2020 Challenger Drive, Suite 103	Analysis Turnaround Time			Sampler: DNR LNES
Alameda California 94501	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(510) 343-3000	TAT if different from Below ______			Walk-in Client:
(510) 343-3001	☐ 2 weeks			Lab Sampling:
Project Name: Cole School PEA	☐ 1 week			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 2 days			
P O # 403668001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC3-S9E-0.5	10/28/21	09:00	G	Soil	1							X	X		X	
AOC3-S9E-0.5 DUP	↓	09:01	↓	↓	↓							X	X		X	
AOC3-S9E-2		09:02										X				
AOC3-S7E-0.5		0912										X	X		X	
AOC3-S6F-0.5		09:10										X	X		X	
AOC3-S6F-2		09:12										X				
AOC3-S6G-0.5		09:56								X		X	X			
AOC3-S6G-2		09:58										X				
AOC3-S5F-0.5		0958										X	X		X	
AOC3-S5F-2		0959										X				
AOC3-S4F-0.5	↓	1002	↓	↓	↓							X	X		X	

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for ______ Months

Special Instructions/QC Requirements & Comments
Hold samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp. (°C): Obs'd: ______ Corr'd ______ Therm ID No. ______			
Relinquished by: Daysi Nemecio, Alameda office secured location	Company: N&M	Date/Time: 10/28/21 14:34	Received by: Leslie Jung	Company: N&M	Date/Time: 10/28 14 34
Relinquished by: Leslie Jung	Company: N&M	Date/Time: 10/29/21 1307	Received by: C. Fisher	Company: ETA ST	Date/Time: 10/29/21 13:07
Relinquished by: C Fisher	Company: ETA ST	Date/Time: 10/29/21 14:31	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

201259

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record
320-81042

eurofins

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Demeno	Date: 10/28/21	COC No: 1
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: Test America	3 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNR/NBS
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below			Lab Sampling:
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street; Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
23 AOC3-S4F-2	10/28/21	1004	G	Soil	1							X				
AOC3-S3F-0.5		1005										X	X		X	
AOC3-S3F-2		1007										X				
AOC3/AOC8-S3G-0.5		1011										X	X	X	X	
AOC3/AOC8-S3G-2		1019										X		X		
AOC3-S4G-0.5		1022										X	X		X	
AOC3-S4G-2		1024										X				
AOC3-S5G-0.5		1031										X	X		X	
AOC3-S5G-2		1032										X				
AOC3-S5G-2 DUP		1032										X				
33 AOC3-S2G-0.5		1102										X	X		X	

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for ____ Months

Special Instructions/QC Requirements & Comments:
Hold samples for additional analyses

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp. (°C): Obs'd. ____ Corr'd. ____ Therm ID No. ____

Relinquished by: Daysi Demeno (Sealed to carton Alameda office)	Company: NMM	Date/Time: 10/28/21 14:34	Received by: Leslie Jung	Company: NMM	Date/Time: 10/28	14 34
Relinquished by: Leslie Jung	Company: NMM	Date/Time: 10/29/21 13:07	Received by: G. Fish	Company: ETA SF	Date/Time: 10/29/21	13:09
Relinquished by: G. Fish	Company: ETA SF	Date/Time: 10/29/21 14:21	Received in Laboratory by:	Company:	Date/Time:	

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

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Eurofins TestAmerica, Sacramento
880 Riverside Parkway

West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

320-81042 # 201259

eurofins

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemeao	Date: 10/28/21	COC No: 1
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: Test America	4 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNR/NES
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes.
24 AOC3-S2G-2	10/28/21	1103	G	Soil	1							X				
AOC3-S2H-0.5	10/28/21	11:01										X	X		X	
AOC3-S2H-2	10/28/21	11:03										X				
AOC3-S2F-0.5		11:08								X		X	X			
AOC3-S2F-2		11:10										X				
AOC3-S2F-0.5 Dup		11:08								X		X	X			
AOC3-S1F-0.5		11:13										X	X		X	
AOC3-S1F-2		11:14										X				
AOC3-S1G-0.5		1121										X	X		X	
AOC3-S1G-2		1122										X				
34 AOC3-S1H-0.5		1124										X	X		X	

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

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

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

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

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

Special Instructions/QC Requirements & Comments.

Hold sample for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp. (°C): Obs'd:_____ Corr'd._____ Therm ID No._____			
Relinquished by: Daysi Nemeao Alameda office secured location	Company: NR/M	Date/Time: 10/28/21 14:31	Received by: Leslie Jung	Company: N&M	Date/Time: 10/28 1434
Relinquished by: Leslie Jung	Company: N&M	Date/Time: 10/29/21 13:07	Received by:	Company: EFA SJ	Date/Time: 10/29/21 13.07
Relinquished by:	Company: EFA SJ	Date/Time: 10/29/21 14:21	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

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12/15/2021 (Rev. 1)

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

320-81042

201259

eurofins

Environment Testing TestAmerica

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Herrera	Date: 10/28/21	COC No: 1
Ninyo & Moore	Email ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: Test America	5 of 5 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DURANES
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC3-S1H-2	10/28/21	11:25	G	Soil	1							X				
AOC3-S5H-0.5	10/28/21	11:57	G	Soil	1							X	X		X	
AOC3-S5H-2	10/28/21	11:59	G	Soil	1							X				
AOC3-S4H-0.5	10/28/21	12:00	G	Soil	1							X	X		X	
AOC3-S4H-2	10/28/21	12:02	G	Soil	1							X				
AOC3-S3H-0.5	10/28/21	12:04	G	Soil	1							X	X		X	
AOC3-S3H-2	10/28/21	12:06	G	Soil	1							X				
AOC3-S4I-0.5	10/28/21	12:15	G	Soil	1							X	X		X	
AOC3-S4I-2	10/28/21	12:17	G	Soil	1							X				
AOC3-S5I-0.5	10/28/21	12:26	G	Soil	1							X	X		X	
AOC3-S5I-2	10/28/21	12:28	G	Soil	1							X				

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments
Hold sample for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp. (°C): Obs'd _____ Corr'd. _____ Therm ID No. _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Daysi Herrera (Secured Portion Alameda Office)	NM	10/28/21 11:34	Leslie Jung	NEM	10/28 1434
Relinquished by: Leslie Jung	Company: NEM	Date/Time: 10/29/21 13:07	Received by:	Company: EFM SJ	Date/Time: 10/29/21 13:07
Relinquished by:	Company: EFM SJ	Date/Time: 10/29/21 14:21	Received in Laboratory by	Company	Date/Time:

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

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320-81042

Chain of Custody Record

501259

eurofins

Environment Testing America

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Warren	Date: 10/28/21	COC No: 1
Ninyo & Moore	Email ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: Test America	6 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DUP/NES
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
EB10282021	10/28/21	12:50	G	H_2O	3					X		X	X	X		

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments.
Hold Samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.		Cooler Temp. (°C). Obs'd._____ Corr'd._____ Therm ID No._____		
Relinquished by: Daysi Warren (Alameda office Courier location)	Company: NDM	Date/Time: 10/28/21 14:34	Received by: Leslie Jung	Company: NDM	Date/Time: 10/29/21 1434
Relinquished by: Leslie Jung	Company: NDM	Date/Time: 10/29/21 13:07	Received by: [signature]	Company: EPA SS	Date/Time: 10/29/21 1307
Relinquished by: [signature]	Company: EPA SS	Date/Time: 10/29/21 14:21	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

12/15/2021 (Rev. 1)

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247584.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 1 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81042-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email:	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B CAM 17 List, minus Mercury	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B (MOD) Lead, Arsenic	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S6D-0 5 (320-81042-1)	10/28/21	08:27 Pacific		Solid			X	X	X				1	
AOC3-S6D-2 (320-81042-2)	10/28/21	08:28 Pacific		Solid				X					1	
AOC3-S5D--0.5 (320-81042-3)	10/28/21	08:27 Pacific		Solid				X	X	X			1	
AOC3-S5D-2 (320-81042-4)	10/28/21	08:29 Pacific		Solid				X					1	
AOC3-S5E-0.5 (320-81042-5)	10/28/21	08:34 Pacific		Solid			X	X	X				1	
AOC3-S5E-2 (320-81042-6)	10/28/21	08:35 Pacific		Solid				X					1	
AOC3/AOC8-S6E-0.5 (320-81042-7)	10/28/21	08:41 Pacific		Solid				X	X	X	X		1	
AOC3AOC8-S6E-2 (320-81042-8)	10/28/21	08:42 Pacific		Solid							X		1	
AOC3-S8E-0.5 (320-81042-9)	10/28/21	08:58 Pacific		Solid				X	X	X			1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		10/1/21 1615	EMSL		10/1/21 1615	DCS
2		10-1-21 1930	DCS		10/1/21-1930	EEETSAT
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.7 & 1.6

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247584.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 2 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81042-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email:	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#			

Preservation Codes:

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

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B CAM 17 List, minus Mercury	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B (MOD) Lead, Arsenic	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S8E-2 (320-81042-10)	10/28/21	08:59 Pacific		Solid				X					1	
AOC3-S7E-2 (320-81042-11)	10/28/21	09:01 Pacific		Solid				X					1	
AOC3-S9E-0 5 (320-81042-12)	10/28/21	09:00 Pacific		Solid				X	X	X			1	
AOC3-S9E-0.5 DUP (320-81042-13)	10/28/21	09:01 Pacific		Solid				X	X	X			1	
AOC3-S9E-2 (320-81042-14)	10/28/21	09:02 Pacific		Solid				X					1	
AOC3-S7E-0.5 (320-81042-15)	10/28/21	09:12 Pacific		Solid				X	X	X			1	
AOC3-S6F-0.5 (320-81042-16)	10/28/21	09:10 Pacific		Solid				X	X	X			1	
AOC3-S6F-2 (320-81042-17)	10/28/21	09:12 Pacific		Solid				X					1	
AOC3-S6G-0 5 (320-81042-18)	10/28/21	09:56 Pacific		Solid			X	X	X				1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		11/1/21 1615	EEISA		11/1/21 1615	DCS
2		11-1-21 1930	DCS		11/1/21 1930	EEISA
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gonzales, Justinn	Carrier Tracking No(s)	COC No: 320-247584.3
Client Contact: Shipping/Receiving	Phone	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 3 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81042-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email:	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B CAM 17 List, minus Mercury	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B (MOD) Lead, Arsenic	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S6G-2 (320-81042-19)	10/28/21	09:58 Pacific		Solid				X					1	
AOC3-S5F-0.5 (320-81042-20)	10/28/21	09:58 Pacific		Solid				X	X	X			1	
AOC3-S5F-2 (320-81042-21)	10/28/21	09:59 Pacific		Solid				X					1	
AOC3-S4F-0.5 (320-81042-22)	10/28/21	10:02 Pacific		Solid				X	X	X			1	
AOC3-S4F-2 (320-81042-23)	10/28/21	10:04 Pacific		Solid				X					1	
AOC3-S3F-0.5 (320-81042-24)	10/28/21	10:05 Pacific		Solid				X	X	X			1	
AOC3-S3F-2 (320-81042-25)	10/28/21	10:07 Pacific		Solid				X					1	
AOC3/AOC8-S3G-0.5 (320-81042-26)	10/28/21	10:11 Pacific		Solid				X	X	X	X		1	
AOC3-/AOC8-S3G-2 (320-81042-27)	10/28/21	10:19 Pacific		Solid							X		1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/1/21 1615	EMT-SJ		11/1/21 1700	DCS
2		11-1-21 1930	DCS		11/1/21-1930	EEC SAC
3		Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gonzales, Justinn	Carrier Tracking No(s)	COC No: 320-247584.4
Client Contact: Shipping/Receiving	Phone	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 4 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81042-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site	SSOW#			

Preservation Codes:

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

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B CAM 17 List, minus Mercury	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B (MOD) Lead, Arsenic	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S4G-0.5 (320-81042-28)	10/28/21	10:22 Pacific		Solid				X	X	X			1	
AOC3-S4G-2 (320-81042-29)	10/28/21	10:24 Pacific		Solid				X					1	
AOC3-S5G-0.5 (320-81042-30)	10/28/21	10:31 Pacific		Solid				X	X	X			1	
AOC3-S5G-2 (320-81042-31)	10/28/21	10:32 Pacific		Solid				X					1	
AOC3-S5G-2 DUP (320-81042-32)	10/28/21	10:32 Pacific		Solid				X					1	
AOC3-S2G-0.5 (320-81042-33)	10/28/21	11:02 Pacific		Solid				X	X	X			1	
AOC3-S2G-2 (320-81042-34)	10/28/21	11:03 Pacific		Solid				X					1	
AOC3-S2H-0.5 (320-81042-35)	10/28/21	11:01 Pacific		Solid				X	X	X			1	
AOC3-S2H-2 (320-81042-36)	10/28/21	11:03 Pacific		Solid				X					1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmenca laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		10/31/21 1615	FEMTA		10/31/21 1615	TAS
2		11-1-21 1930	TAS		11/1/21 1930	EESA
3						

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

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gonzales, Justinn	Carrier Tracking No(s)	COC No: 320-247584.5
Client Contact: Shipping/Receiving	Phone	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 5 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81042-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email:	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B CAM 17 List, minus Mercury	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B (MOD) Lead, Arsenic	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S2F-0.5 (320-81042-37)	10/28/21	11:08 Pacific		Solid			X	X	X				1	
AOC3-S2F-2 (320-81042-38)	10/28/21	11:10 Pacific		Solid				X					1	
AOC3-S2F-0.5 DUP (320-81042-39)	10/28/21	11:08 Pacific		Solid			X	X	X				1	
AOC3-S1F-0.5 (320-81042-40)	10/28/21	11:13 Pacific		Solid				X	X	X			1	
AOC3-S1F-2 (320-81042-41)	10/28/21	11:14 Pacific		Solid				X					1	
AOC3-S1G-0.5 (320-81042-42)	10/28/21	11:21 Pacific		Solid				X	X	X			1	
AOC3--S1G-2 (320-81042-43)	10/28/21	11:22 Pacific		Solid				X					1	
AOC3-S1H-0.5 (320-81042-44)	10/28/21	11:24 Pacific		Solid				X	X	X			1	
AOC3-S1H-2 (320-81042-45)	10/28/21	11:25 Pacific		Solid				X					1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		10/1/21 1610	TAL-SAC		10/1/21 1610	DE
2		10-1-21 1930	DE		10/1/21 1930	EETSAC
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gonzales, Justinn	Carrier Tracking No(s)	COC No: 320-247584.6
Client Contact: Shipping/Receiving	Phone	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 6 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81042-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email:	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B CAM 17 List, minus Mercury	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B (MOD) Lead, Arsenic	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S5H-0.5 (320-81042-46)	10/28/21	11:57 Pacific		Solid				X	X	X			1	
AOC3-S5H-2 (320-81042-47)	10/28/21	11:59 Pacific		Solid				X					1	
AOC3-S4H-0.5 (320-81042-48)	10/28/21	12:00 Pacific		Solid				X	X	X			1	
AOC3-S4H-2 (320-81042-49)	10/28/21	12:02 Pacific		Solid				X					1	
AOC3-S3H-0 5 (320-81042-50)	10/28/21	12:04 Pacific		Solid				X	X	X			1	
AOC3-S3H-2 (320-81042-51)	10/28/21	12:06 Pacific		Solid				X					1	
AOC3-S4I-0.5 (320-81042-52)	10/28/21	12:15 Pacific		Solid				X	X	X			1	
AOC3-S4I-2 (320-81042-53)	10/28/21	12:17 Pacific		Solid				X					1	
AOC3-S5I-0.5 (320-81042-54)	10/28/21	12:26 Pacific		Solid				X	X	X			1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		11/1/21 1615	FedEx		11/1/21 1615	DCS
2		11-1-21 1930	DCS		11/1/21 1930	FEDEX
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gonzales, Justinn	Carrier Tracking No(s)	COC No: 320-247584 7
Client Contact: Shipping/Receiving	Phone	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 7 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81042-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email:	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B CAM 17 List, minus Mercury	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B (MOD) Lead, Arsenic	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S5I-2 (320-81042-55)	10/28/21	12:08 Pacific		Solid				X					1	
EB10282021 (320-81042-56)	10/28/21	12:50 Pacific		Water								X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	11/1/21 1615	TAL SAC		11/1/21 1615	DCS
Relinquished by:	11-1-21 1930	DCS		11/1/21-1930	EETSAC
Relinquished by:	Date/Time	Company	Received by	Date/Time	Company

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

Ver: 06/08/2021

TestAmerica CUSTODY SEAL

Date 11/1/21 Signature

320-81042 Waybill

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Part # 59469-434 MTW EXP 07/22

ORIGIN ID:LVKA (928) 484-1919
SAMPLE RECEIVING
EUROFINS TEST AMERICA
780 MONTAGUE EXPRESSWAY
SUITE 602
SAN JOSE, CA 95131
UNITED STATES US

SHIP DATE: 01NOV21
ACTWGT: 30.05 LB
CAD: 0795504/CAFE3507
DIMS: 28x16x15 IN

BILL SENDER

TO SAMPLE RECEIVING
EUROFINS CALSCIENCE, LLC
7440 LINCOLN WAY

GARDEN GROVE CA 92841
(714) 895-5494 REF:
INV:
PO: DEPT:

570C1/A822/6F4B

FedEx Express

TRK# 0201 5047 2941 7677

TUE - 02 NOV 11:30A
PRIORITY OVERNIGHT

92 APVA

92841
CA-US SNA

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247583 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn Gonzales@Eurofinset.com	State of Origin: California	Page: Page 1 of 1
Company: Eurofins Calscience LLC		Accreditations Required (See note): State - California		Job #: 320-81042-1
Address: 7440 Lincoln Way, ,	Due Date Requested: 11/14/2021			
City: Garden Grove	TAT Requested (days):			
State, Zip: CA, 92841				
Phone: 714-895-5494(Tel) 714-894-7501(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes.

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7471A/7471A_Prep Mercury	6010B/3010A California Administrative Manual List	7470A/7470A_Prep Mercury	8081A/3510C (MOD) Standard List	8082/3510C (MOD) Standard List	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
AOC3-S6D-0 5 (320-81042-1)	10/28/21	08:27 Pacific		Solid			X					1	
AOC3-S5E-0 5 (320-81042-5)	10/28/21	08 34 Pacific		Solid			X					1	
AOC3-S6G-0 5 (320-81042-18)	10/28/21	09 56 Pacific		Solid			X					1	
AOC3-S2F-0 5 (320-81042-37)	10/28/21	11 08 Pacific		Solid			X					1	
AOC3-S2F-0 5 DUP (320-81042-39)	10/28/21	11 08 Pacific		Solid			X					1	
EB10282021 (320-81042-56)	10/28/21	12 50 Pacific		Water				X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/1/21 1600			11/2/21 1020	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No: N/A	Cooler Temperature(s) °C and Other Remarks: 1.9/2.8 SCS

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81042-1

Login Number: 81042
List Number: 1
Creator: Garcia, Hilario A

List Source: Eurofins TestAmerica, Sacramento

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

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81042-1

Login Number: 81042
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	4.7 & 1.6
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81042-1

Login Number: 81042
List Number: 3
Creator: Ortiz-Luis, Michael

List Source: Eurofins Calscience LLC
List Creation: 11/02/21 02:39 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
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	2.8
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-81042-2
Client Project/Site: Cole School PEA
Revision: 1

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Mr. Nathan Diem

Authorized for release by:
12/15/2021 10:15:03 AM

Justinn Gonzales, Project Manager I
(925)484-1919
Justinn.Gonzales@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-2

Qualifiers

Dioxin

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

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: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-2

Job ID: 320-81042-2

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-81042-2

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 11/23/2021. The report (revision 1) is being revised due to: Report smaples to MDL or EDL for 8290A per client request. Total TEQ also added.

Receipt
The samples were received on 10/29/2021 2:21 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 0.8º C, 1.0º C and 1.8º C.

Dioxin
Method 8290A: The scheduled automatic ending resolution check did not print due to loss of communication to the SIOS data acquisition computer. Upon arrival to the laboratory, the analyst rebooted the SIOS and performed a manual ending resolution check. Although this ending resolution check was performed past the 12 hour analytical clock, all associated samples were analyzed within the 12 hour analytical clock and the resolution check indicates the instrument maintained greater than 10,000 resolution. No further corrective action was taken. AOC3/AOC8-S6E-0.5 (320-81042-7), (CCV 320-544985/17) and (CCV 320-544985/2).

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

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

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-2

Client Sample ID: AOC3/AOC8-S6E-0.5 — Lab Sample ID: 320-81042-7

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.32	J	0.98	0.15	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDD	0.40	J q	4.9	0.18	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	0.89	J	4.9	0.22	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	1.3	J	4.9	0.23	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.60	J B	4.9	0.14	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.56	J B	4.9	0.14	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.50	J	4.9	0.13	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.75	J B	4.9	0.10	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	1.1	J B	4.9	0.10	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDF	0.28	J B	4.9	0.12	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.94	J	4.9	0.11	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	3.3	J B	4.9	0.052	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	2.3	J	4.9	0.11	pg/g	1		8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.24	J	4.9	0.13	pg/g	1		8290A	Total/NA
OCDD	12	B	9.8	0.14	pg/g	1		8290A	Total/NA
OCDF	1.8	J B	9.8	0.12	pg/g	1		8290A	Total/NA
2,3,7,8-TCDF - RA	1.6		0.98	0.23	pg/g	1		8290A	Total/NA

Client Sample ID: AOC3/AOC8-S6E-2 — Lab Sample ID: 320-81042-8

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,7,8-PeCDD	0.28	J q	4.7	0.11	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	0.32	J q	4.7	0.075	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	0.21	J q	4.7	0.078	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.40	J q B	4.7	0.11	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.34	J B	4.7	0.11	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.37	J	4.7	0.10	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.26	J B	4.7	0.061	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.28	J B	4.7	0.061	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDF	0.34	J q B	4.7	0.069	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.22	J	4.7	0.066	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.56	J B	4.7	0.043	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.50	J	4.7	0.098	pg/g	1		8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.37	J	4.7	0.11	pg/g	1		8290A	Total/NA
OCDD	3.3	J B	9.4	0.14	pg/g	1		8290A	Total/NA
OCDF	0.83	J B	9.4	0.097	pg/g	1		8290A	Total/NA

Client Sample ID: AOC3/AOC8-S3G-0.5 — Lab Sample ID: 320-81042-26

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.94	J	0.97	0.079	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDD	0.23	J	4.9	0.14	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	0.38	J	4.9	0.088	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	0.43	J	4.9	0.091	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.43	J B	4.9	0.13	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.40	J B	4.9	0.13	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.50	J	4.9	0.12	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.31	J q B	4.9	0.091	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.45	J B	4.9	0.091	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDF	0.29	J B	4.9	0.10	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.39	J	4.9	0.097	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	2.5	J B	4.9	0.080	pg/g	1		8290A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Client Sample ID: AOC3/AOC8-S3G-0.5 (Continued) — Lab Sample ID: 320-81042-26

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,4,6,7,8-HpCDF	1.2	J	4.9	0.15	pg/g	1		8290A	Total/NA
OCDD	16	B	9.7	0.15	pg/g	1		8290A	Total/NA
OCDF	1.7	J B	9.7	0.17	pg/g	1		8290A	Total/NA

Client Sample ID: AOC3/AOC8-S3G-2 — Lab Sample ID: 320-81042-27

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.23	J	0.98	0.036	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.28	J B	4.9	0.098	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDF	0.14	J B	4.9	0.064	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.26	J B	4.9	0.061	pg/g	1		8290A	Total/NA
OCDD	1.0	J B	9.8	0.13	pg/g	1		8290A	Total/NA
OCDF	0.21	J B	9.8	0.095	pg/g	1		8290A	Total/NA

Client Sample ID: EB10282021 — Lab Sample ID: 320-81042-56

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,4,7,8-HxCDD	2.5	J B	49	0.52	pg/L	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	1.3	J q B	49	0.18	pg/L	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.92	J B	49	0.22	pg/L	1		8290A	Total/NA
OCDD	11	J B	97	0.52	pg/L	1		8290A	Total/NA
OCDF	2.1	J B	97	0.44	pg/L	1		8290A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-2

Client Sample ID: AOC3/AOC8-S6E-0.5
Date Collected: 10/28/21 08:41
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-7
Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.32	J	0.98	0.15	pg/g		11/02/21 10:24	11/19/21 02:25	1
1,2,3,7,8-PeCDD	0.40	J q	4.9	0.18	pg/g		11/02/21 10:24	11/19/21 02:25	1
1,2,3,7,8-PeCDF	0.89	J	4.9	0.22	pg/g		11/02/21 10:24	11/19/21 02:25	1
2,3,4,7,8-PeCDF	1.3	J	4.9	0.23	pg/g		11/02/21 10:24	11/19/21 02:25	1
1,2,3,4,7,8-HxCDD	0.60	J B	4.9	0.14	pg/g		11/02/21 10:24	11/19/21 02:25	1
1,2,3,6,7,8-HxCDD	0.56	J B	4.9	0.14	pg/g		11/02/21 10:24	11/19/21 02:25	1
1,2,3,7,8,9-HxCDD	0.50	J	4.9	0.13	pg/g		11/02/21 10:24	11/19/21 02:25	1
1,2,3,4,7,8-HxCDF	0.75	J B	4.9	0.10	pg/g		11/02/21 10:24	11/19/21 02:25	1
1,2,3,6,7,8-HxCDF	1.1	J B	4.9	0.10	pg/g		11/02/21 10:24	11/19/21 02:25	1
1,2,3,7,8,9-HxCDF	0.28	J B	4.9	0.12	pg/g		11/02/21 10:24	11/19/21 02:25	1
2,3,4,6,7,8-HxCDF	0.94	J	4.9	0.11	pg/g		11/02/21 10:24	11/19/21 02:25	1
1,2,3,4,6,7,8-HpCDD	3.3	J B	4.9	0.052	pg/g		11/02/21 10:24	11/19/21 02:25	1
1,2,3,4,6,7,8-HpCDF	2.3	J	4.9	0.11	pg/g		11/02/21 10:24	11/19/21 02:25	1
1,2,3,4,7,8,9-HpCDF	0.24	J	4.9	0.13	pg/g		11/02/21 10:24	11/19/21 02:25	1
OCDD	12	B	9.8	0.14	pg/g		11/02/21 10:24	11/19/21 02:25	1
OCDF	1.8	J B	9.8	0.12	pg/g		11/02/21 10:24	11/19/21 02:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*77*		*40 - 135*	*11/02/21 10:24*	*11/19/21 02:25*	*1*
13C-1,2,3,7,8-PeCDD	*84*		*40 - 135*	*11/02/21 10:24*	*11/19/21 02:25*	*1*
13C-1,2,3,7,8-PeCDF	*76*		*40 - 135*	*11/02/21 10:24*	*11/19/21 02:25*	*1*
13C-1,2,3,6,7,8-HxCDD	*76*		*40 - 135*	*11/02/21 10:24*	*11/19/21 02:25*	*1*
13C-1,2,3,4,7,8-HxCDF	*79*		*40 - 135*	*11/02/21 10:24*	*11/19/21 02:25*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*74*		*40 - 135*	*11/02/21 10:24*	*11/19/21 02:25*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*77*		*40 - 135*	*11/02/21 10:24*	*11/19/21 02:25*	*1*
13C-OCDD	*72*		*40 - 135*	*11/02/21 10:24*	*11/19/21 02:25*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	1.6		0.98	0.23	pg/g		11/02/21 10:24	11/21/21 22:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*89*		*40 - 135*	*11/02/21 10:24*	*11/21/21 22:32*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-2

Client Sample ID: AOC3/AOC8-S6E-2
Date Collected: 10/28/21 08:42
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-8
Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.94	0.11	pg/g		11/02/21 10:24	11/19/21 03:13	1
2,3,7,8-TCDF	ND		0.94	0.033	pg/g		11/02/21 10:24	11/19/21 03:13	1
1,2,3,7,8-PeCDD	**0.28**	**J q**	4.7	0.11	pg/g		11/02/21 10:24	11/19/21 03:13	1
1,2,3,7,8-PeCDF	**0.32**	**J q**	4.7	0.075	pg/g		11/02/21 10:24	11/19/21 03:13	1
2,3,4,7,8-PeCDF	**0.21**	**J q**	4.7	0.078	pg/g		11/02/21 10:24	11/19/21 03:13	1
1,2,3,4,7,8-HxCDD	**0.40**	**J q B**	4.7	0.11	pg/g		11/02/21 10:24	11/19/21 03:13	1
1,2,3,6,7,8-HxCDD	**0.34**	**J B**	4.7	0.11	pg/g		11/02/21 10:24	11/19/21 03:13	1
1,2,3,7,8,9-HxCDD	**0.37**	**J**	4.7	0.10	pg/g		11/02/21 10:24	11/19/21 03:13	1
1,2,3,4,7,8-HxCDF	**0.26**	**J B**	4.7	0.061	pg/g		11/02/21 10:24	11/19/21 03:13	1
1,2,3,6,7,8-HxCDF	**0.28**	**J B**	4.7	0.061	pg/g		11/02/21 10:24	11/19/21 03:13	1
1,2,3,7,8,9-HxCDF	**0.34**	**J q B**	4.7	0.069	pg/g		11/02/21 10:24	11/19/21 03:13	1
2,3,4,6,7,8-HxCDF	**0.22**	**J**	4.7	0.066	pg/g		11/02/21 10:24	11/19/21 03:13	1
1,2,3,4,6,7,8-HpCDD	**0.56**	**J B**	4.7	0.043	pg/g		11/02/21 10:24	11/19/21 03:13	1
1,2,3,4,6,7,8-HpCDF	**0.50**	**J**	4.7	0.098	pg/g		11/02/21 10:24	11/19/21 03:13	1
1,2,3,4,7,8,9-HpCDF	**0.37**	**J**	4.7	0.11	pg/g		11/02/21 10:24	11/19/21 03:13	1
OCDD	**3.3**	**J B**	9.4	0.14	pg/g		11/02/21 10:24	11/19/21 03:13	1
OCDF	**0.83**	**J B**	9.4	0.097	pg/g		11/02/21 10:24	11/19/21 03:13	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*62*		*40 - 135*	*11/02/21 10:24*	*11/19/21 03:13*	*1*
13C-2,3,7,8-TCDF	*69*		*40 - 135*	*11/02/21 10:24*	*11/19/21 03:13*	*1*
13C-1,2,3,7,8-PeCDD	*72*		*40 - 135*	*11/02/21 10:24*	*11/19/21 03:13*	*1*
13C-1,2,3,7,8-PeCDF	*70*		*40 - 135*	*11/02/21 10:24*	*11/19/21 03:13*	*1*
13C-1,2,3,6,7,8-HxCDD	*72*		*40 - 135*	*11/02/21 10:24*	*11/19/21 03:13*	*1*
13C-1,2,3,4,7,8-HxCDF	*72*		*40 - 135*	*11/02/21 10:24*	*11/19/21 03:13*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*74*		*40 - 135*	*11/02/21 10:24*	*11/19/21 03:13*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*72*		*40 - 135*	*11/02/21 10:24*	*11/19/21 03:13*	*1*
13C-OCDD	*72*		*40 - 135*	*11/02/21 10:24*	*11/19/21 03:13*	*1*

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-2

Client Sample ID: AOC3/AOC8-S3G-0.5

Date Collected: 10/28/21 10:11
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-26

Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.97	0.11	pg/g		11/02/21 10:24	11/19/21 04:01	1
2,3,7,8-TCDF	**0.94**	**J**	0.97	0.079	pg/g		11/02/21 10:24	11/19/21 04:01	1
1,2,3,7,8-PeCDD	**0.23**	**J**	4.9	0.14	pg/g		11/02/21 10:24	11/19/21 04:01	1
1,2,3,7,8-PeCDF	**0.38**	**J**	4.9	0.088	pg/g		11/02/21 10:24	11/19/21 04:01	1
2,3,4,7,8-PeCDF	**0.43**	**J**	4.9	0.091	pg/g		11/02/21 10:24	11/19/21 04:01	1
1,2,3,4,7,8-HxCDD	**0.43**	**J B**	4.9	0.13	pg/g		11/02/21 10:24	11/19/21 04:01	1
1,2,3,6,7,8-HxCDD	**0.40**	**J B**	4.9	0.13	pg/g		11/02/21 10:24	11/19/21 04:01	1
1,2,3,7,8,9-HxCDD	**0.50**	**J**	4.9	0.12	pg/g		11/02/21 10:24	11/19/21 04:01	1
1,2,3,4,7,8-HxCDF	**0.31**	**J q B**	4.9	0.091	pg/g		11/02/21 10:24	11/19/21 04:01	1
1,2,3,6,7,8-HxCDF	**0.45**	**J B**	4.9	0.091	pg/g		11/02/21 10:24	11/19/21 04:01	1
1,2,3,7,8,9-HxCDF	**0.29**	**J B**	4.9	0.10	pg/g		11/02/21 10:24	11/19/21 04:01	1
2,3,4,6,7,8-HxCDF	**0.39**	**J**	4.9	0.097	pg/g		11/02/21 10:24	11/19/21 04:01	1
1,2,3,4,6,7,8-HpCDD	**2.5**	**J B**	4.9	0.080	pg/g		11/02/21 10:24	11/19/21 04:01	1
1,2,3,4,6,7,8-HpCDF	**1.2**	**J**	4.9	0.15	pg/g		11/02/21 10:24	11/19/21 04:01	1
1,2,3,4,7,8,9-HpCDF	ND		4.9	0.18	pg/g		11/02/21 10:24	11/19/21 04:01	1
OCDD	**16**	**B**	9.7	0.15	pg/g		11/02/21 10:24	11/19/21 04:01	1
OCDF	**1.7**	**J B**	9.7	0.17	pg/g		11/02/21 10:24	11/19/21 04:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*77*		*40 - 135*	*11/02/21 10:24*	*11/19/21 04:01*	*1*
13C-2,3,7,8-TCDF	*77*		*40 - 135*	*11/02/21 10:24*	*11/19/21 04:01*	*1*
13C-1,2,3,7,8-PeCDD	*79*		*40 - 135*	*11/02/21 10:24*	*11/19/21 04:01*	*1*
13C-1,2,3,7,8-PeCDF	*84*		*40 - 135*	*11/02/21 10:24*	*11/19/21 04:01*	*1*
13C-1,2,3,6,7,8-HxCDD	*79*		*40 - 135*	*11/02/21 10:24*	*11/19/21 04:01*	*1*
13C-1,2,3,4,7,8-HxCDF	*81*		*40 - 135*	*11/02/21 10:24*	*11/19/21 04:01*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*71*		*40 - 135*	*11/02/21 10:24*	*11/19/21 04:01*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*76*		*40 - 135*	*11/02/21 10:24*	*11/19/21 04:01*	*1*
13C-OCDD	*70*		*40 - 135*	*11/02/21 10:24*	*11/19/21 04:01*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-2

Client Sample ID: AOC3/AOC8-S3G-2
Date Collected: 10/28/21 10:19
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-27
Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.98	0.087	pg/g		11/02/21 10:24	11/19/21 04:49	1
2,3,7,8-TCDF	**0.23**	**J**	0.98	0.036	pg/g		11/02/21 10:24	11/19/21 04:49	1
1,2,3,7,8-PeCDD	ND		4.9	0.091	pg/g		11/02/21 10:24	11/19/21 04:49	1
1,2,3,7,8-PeCDF	ND		4.9	0.063	pg/g		11/02/21 10:24	11/19/21 04:49	1
2,3,4,7,8-PeCDF	ND		4.9	0.066	pg/g		11/02/21 10:24	11/19/21 04:49	1
1,2,3,4,7,8-HxCDD	**0.28**	**J B**	4.9	0.098	pg/g		11/02/21 10:24	11/19/21 04:49	1
1,2,3,6,7,8-HxCDD	ND		4.9	0.098	pg/g		11/02/21 10:24	11/19/21 04:49	1
1,2,3,7,8,9-HxCDD	ND		4.9	0.090	pg/g		11/02/21 10:24	11/19/21 04:49	1
1,2,3,4,7,8-HxCDF	ND		4.9	0.057	pg/g		11/02/21 10:24	11/19/21 04:49	1
1,2,3,6,7,8-HxCDF	ND		4.9	0.057	pg/g		11/02/21 10:24	11/19/21 04:49	1
1,2,3,7,8,9-HxCDF	**0.14**	**J B**	4.9	0.064	pg/g		11/02/21 10:24	11/19/21 04:49	1
2,3,4,6,7,8-HxCDF	ND		4.9	0.061	pg/g		11/02/21 10:24	11/19/21 04:49	1
1,2,3,4,6,7,8-HpCDD	**0.26**	**J B**	4.9	0.061	pg/g		11/02/21 10:24	11/19/21 04:49	1
1,2,3,4,6,7,8-HpCDF	ND		4.9	0.084	pg/g		11/02/21 10:24	11/19/21 04:49	1
1,2,3,4,7,8,9-HpCDF	ND		4.9	0.095	pg/g		11/02/21 10:24	11/19/21 04:49	1
OCDD	**1.0**	**J B**	9.8	0.13	pg/g		11/02/21 10:24	11/19/21 04:49	1
OCDF	**0.21**	**J B**	9.8	0.095	pg/g		11/02/21 10:24	11/19/21 04:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*74*		*40 - 135*	*11/02/21 10:24*	*11/19/21 04:49*	*1*
13C-2,3,7,8-TCDF	*73*		*40 - 135*	*11/02/21 10:24*	*11/19/21 04:49*	*1*
13C-1,2,3,7,8-PeCDD	*80*		*40 - 135*	*11/02/21 10:24*	*11/19/21 04:49*	*1*
13C-1,2,3,7,8-PeCDF	*75*		*40 - 135*	*11/02/21 10:24*	*11/19/21 04:49*	*1*
13C-1,2,3,6,7,8-HxCDD	*70*		*40 - 135*	*11/02/21 10:24*	*11/19/21 04:49*	*1*
13C-1,2,3,4,7,8-HxCDF	*71*		*40 - 135*	*11/02/21 10:24*	*11/19/21 04:49*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*71*		*40 - 135*	*11/02/21 10:24*	*11/19/21 04:49*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*69*		*40 - 135*	*11/02/21 10:24*	*11/19/21 04:49*	*1*
13C-OCDD	*71*		*40 - 135*	*11/02/21 10:24*	*11/19/21 04:49*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-2

Client Sample ID: EB10282021
Date Collected: 10/28/21 12:50
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-56
Matrix: Water

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		9.7	0.33	pg/L		11/03/21 06:26	11/12/21 11:08	1
2,3,7,8-TCDF	ND		9.7	0.20	pg/L		11/03/21 06:26	11/12/21 11:08	1
1,2,3,7,8-PeCDD	ND		49	0.56	pg/L		11/03/21 06:26	11/12/21 11:08	1
1,2,3,7,8-PeCDF	ND		49	0.38	pg/L		11/03/21 06:26	11/12/21 11:08	1
2,3,4,7,8-PeCDF	ND		49	0.38	pg/L		11/03/21 06:26	11/12/21 11:08	1
1,2,3,4,7,8-HxCDD	**2.5**	**J B**	49	0.52	pg/L		11/03/21 06:26	11/12/21 11:08	1
1,2,3,6,7,8-HxCDD	ND		49	0.50	pg/L		11/03/21 06:26	11/12/21 11:08	1
1,2,3,7,8,9-HxCDD	ND		49	0.45	pg/L		11/03/21 06:26	11/12/21 11:08	1
1,2,3,4,7,8-HxCDF	ND		49	0.67	pg/L		11/03/21 06:26	11/12/21 11:08	1
1,2,3,6,7,8-HxCDF	ND		49	0.64	pg/L		11/03/21 06:26	11/12/21 11:08	1
1,2,3,7,8,9-HxCDF	ND		49	0.68	pg/L		11/03/21 06:26	11/12/21 11:08	1
2,3,4,6,7,8-HxCDF	ND		49	0.65	pg/L		11/03/21 06:26	11/12/21 11:08	1
1,2,3,4,6,7,8-HpCDD	**1.3**	**J q B**	49	0.18	pg/L		11/03/21 06:26	11/12/21 11:08	1
1,2,3,4,6,7,8-HpCDF	**0.92**	**J B**	49	0.22	pg/L		11/03/21 06:26	11/12/21 11:08	1
1,2,3,4,7,8,9-HpCDF	ND		49	0.27	pg/L		11/03/21 06:26	11/12/21 11:08	1
OCDD	**11**	**J B**	97	0.52	pg/L		11/03/21 06:26	11/12/21 11:08	1
OCDF	**2.1**	**J B**	97	0.44	pg/L		11/03/21 06:26	11/12/21 11:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*85*		*40 - 135*	*11/03/21 06:26*	*11/12/21 11:08*	*1*
13C-2,3,7,8-TCDF	*86*		*40 - 135*	*11/03/21 06:26*	*11/12/21 11:08*	*1*
13C-1,2,3,7,8-PeCDD	*85*		*40 - 135*	*11/03/21 06:26*	*11/12/21 11:08*	*1*
13C-1,2,3,7,8-PeCDF	*89*		*40 - 135*	*11/03/21 06:26*	*11/12/21 11:08*	*1*
13C-1,2,3,6,7,8-HxCDD	*90*		*40 - 135*	*11/03/21 06:26*	*11/12/21 11:08*	*1*
13C-1,2,3,4,7,8-HxCDF	*102*		*40 - 135*	*11/03/21 06:26*	*11/12/21 11:08*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*104*		*40 - 135*	*11/03/21 06:26*	*11/12/21 11:08*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*98*		*40 - 135*	*11/03/21 06:26*	*11/12/21 11:08*	*1*
13C-OCDD	*114*		*40 - 135*	*11/03/21 06:26*	*11/12/21 11:08*	*1*

Toxicity Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-2

Client Sample ID: AOC3/AOC8-S6E-0.5 — Lab Sample ID: 320-81042-7

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	0.32	J	0.98	0.15	pg/g	1	0.32	8290A
1,2,3,7,8-PeCDD	0.40	J q	4.9	0.18	pg/g	1	0.40	8290A
1,2,3,7,8-PeCDF	0.89	J	4.9	0.22	pg/g	0.03	0.027	8290A
2,3,4,7,8-PeCDF	1.3	J	4.9	0.23	pg/g	0.3	0.39	8290A
1,2,3,4,7,8-HxCDD	0.60	J B	4.9	0.14	pg/g	0.1	0.060	8290A
1,2,3,6,7,8-HxCDD	0.56	J B	4.9	0.14	pg/g	0.1	0.056	8290A
1,2,3,7,8,9-HxCDD	0.50	J	4.9	0.13	pg/g	0.1	0.050	8290A
1,2,3,4,7,8-HxCDF	0.75	J B	4.9	0.10	pg/g	0.1	0.075	8290A
1,2,3,6,7,8-HxCDF	1.1	J B	4.9	0.10	pg/g	0.1	0.11	8290A
1,2,3,7,8,9-HxCDF	0.28	J B	4.9	0.12	pg/g	0.1	0.028	8290A
2,3,4,6,7,8-HxCDF	0.94	J	4.9	0.11	pg/g	0.1	0.094	8290A
1,2,3,4,6,7,8-HpCDD	3.3	J B	4.9	0.052	pg/g	0.01	0.033	8290A
1,2,3,4,6,7,8-HpCDF	2.3	J	4.9	0.11	pg/g	0.01	0.023	8290A
1,2,3,4,7,8,9-HpCDF	0.24	J	4.9	0.13	pg/g	0.01	0.0024	8290A
OCDD	12	B	9.8	0.14	pg/g	0.0003	0.0036	8290A
OCDF	1.8	J B	9.8	0.12	pg/g	0.0003	0.00054	8290A
2,3,7,8-TCDF - RA	1.6		0.98	0.23	pg/g	0.1	0.16	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		1.8	TEQ

Client Sample ID: AOC3/AOC8-S6E-2 — Lab Sample ID: 320-81042-8

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		0.94	0.11	pg/g	1	0.00	8290A
2,3,7,8-TCDF	ND		0.94	0.033	pg/g	0.1	0.00	8290A
1,2,3,7,8-PeCDD	0.28	J q	4.7	0.11	pg/g	1	0.28	8290A
1,2,3,7,8-PeCDF	0.32	J q	4.7	0.075	pg/g	0.03	0.0096	8290A
2,3,4,7,8-PeCDF	0.21	J q	4.7	0.078	pg/g	0.3	0.063	8290A
1,2,3,4,7,8-HxCDD	0.40	J q B	4.7	0.11	pg/g	0.1	0.040	8290A
1,2,3,6,7,8-HxCDD	0.34	J B	4.7	0.11	pg/g	0.1	0.034	8290A
1,2,3,7,8,9-HxCDD	0.37	J	4.7	0.10	pg/g	0.1	0.037	8290A
1,2,3,4,7,8-HxCDF	0.26	J B	4.7	0.061	pg/g	0.1	0.026	8290A
1,2,3,6,7,8-HxCDF	0.28	J B	4.7	0.061	pg/g	0.1	0.028	8290A
1,2,3,7,8,9-HxCDF	0.34	J q B	4.7	0.069	pg/g	0.1	0.034	8290A
2,3,4,6,7,8-HxCDF	0.22	J	4.7	0.066	pg/g	0.1	0.022	8290A
1,2,3,4,6,7,8-HpCDD	0.56	J B	4.7	0.043	pg/g	0.01	0.0056	8290A
1,2,3,4,6,7,8-HpCDF	0.50	J	4.7	0.098	pg/g	0.01	0.0050	8290A
1,2,3,4,7,8,9-HpCDF	0.37	J	4.7	0.11	pg/g	0.01	0.0037	8290A
OCDD	3.3	J B	9.4	0.14	pg/g	0.0003	0.00099	8290A
OCDF	0.83	J B	9.4	0.097	pg/g	0.0003	0.00025	8290A

TEF Reference:
WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-2

Client Sample ID: AOC3/AOC8-S6E-2 (Continued) — Lab Sample ID: 320-81042-8

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.59	TEQ

Client Sample ID: AOC3/AOC8-S3G-0.5 — Lab Sample ID: 320-81042-26

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		0.97	0.11	pg/g	1	0.00	8290A
2,3,7,8-TCDF	**0.94**	**J**	0.97	0.079	pg/g	0.1	**0.094**	8290A
1,2,3,7,8-PeCDD	**0.23**	**J**	4.9	0.14	pg/g	1	**0.23**	8290A
1,2,3,7,8-PeCDF	**0.38**	**J**	4.9	0.088	pg/g	0.03	**0.011**	8290A
2,3,4,7,8-PeCDF	**0.43**	**J**	4.9	0.091	pg/g	0.3	**0.13**	8290A
1,2,3,4,7,8-HxCDD	**0.43**	**J B**	4.9	0.13	pg/g	0.1	**0.043**	8290A
1,2,3,6,7,8-HxCDD	**0.40**	**J B**	4.9	0.13	pg/g	0.1	**0.040**	8290A
1,2,3,7,8,9-HxCDD	**0.50**	**J**	4.9	0.12	pg/g	0.1	**0.050**	8290A
1,2,3,4,7,8-HxCDF	**0.31**	**J q B**	4.9	0.091	pg/g	0.1	**0.031**	8290A
1,2,3,6,7,8-HxCDF	**0.45**	**J B**	4.9	0.091	pg/g	0.1	**0.045**	8290A
1,2,3,7,8,9-HxCDF	**0.29**	**J B**	4.9	0.10	pg/g	0.1	**0.029**	8290A
2,3,4,6,7,8-HxCDF	**0.39**	**J**	4.9	0.097	pg/g	0.1	**0.039**	8290A
1,2,3,4,6,7,8-HpCDD	**2.5**	**J B**	4.9	0.080	pg/g	0.01	**0.025**	8290A
1,2,3,4,6,7,8-HpCDF	**1.2**	**J**	4.9	0.15	pg/g	0.01	**0.012**	8290A
1,2,3,4,7,8,9-HpCDF	ND		4.9	0.18	pg/g	0.01	0.00	8290A
OCDD	**16**	**B**	9.7	0.15	pg/g	0.0003	**0.0048**	8290A
OCDF	**1.7**	**J B**	9.7	0.17	pg/g	0.0003	**0.00051**	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.78	TEQ

Client Sample ID: AOC3/AOC8-S3G-2 — Lab Sample ID: 320-81042-27

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		0.98	0.087	pg/g	1	0.00	8290A
2,3,7,8-TCDF	**0.23**	**J**	0.98	0.036	pg/g	0.1	**0.023**	8290A
1,2,3,7,8-PeCDD	ND		4.9	0.091	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	ND		4.9	0.063	pg/g	0.03	0.00	8290A
2,3,4,7,8-PeCDF	ND		4.9	0.066	pg/g	0.3	0.00	8290A
1,2,3,4,7,8-HxCDD	**0.28**	**J B**	4.9	0.098	pg/g	0.1	**0.028**	8290A
1,2,3,6,7,8-HxCDD	ND		4.9	0.098	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDD	ND		4.9	0.090	pg/g	0.1	0.00	8290A
1,2,3,4,7,8-HxCDF	ND		4.9	0.057	pg/g	0.1	0.00	8290A
1,2,3,6,7,8-HxCDF	ND		4.9	0.057	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDF	**0.14**	**J B**	4.9	0.064	pg/g	0.1	**0.014**	8290A
2,3,4,6,7,8-HxCDF	ND		4.9	0.061	pg/g	0.1	0.00	8290A

TEF Reference:
WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-2

Client Sample ID: AOC3/AOC8-S3G-2 (Continued)

Lab Sample ID: 320-81042-27

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
1,2,3,4,6,7,8-HpCDD	**0.26**	**J B**	4.9	0.061	pg/g	0.01	**0.0026**	8290A
1,2,3,4,6,7,8-HpCDF	ND		4.9	0.084	pg/g	0.01	0.00	8290A
1,2,3,4,7,8,9-HpCDF	ND		4.9	0.095	pg/g	0.01	0.00	8290A
OCDD	**1.0**	**J B**	9.8	0.13	pg/g	0.0003	**0.00030**	8290A
OCDF	**0.21**	**J B**	9.8	0.095	pg/g	0.0003	**0.000063**	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.068	TEQ

Client Sample ID: EB10282021

Lab Sample ID: 320-81042-56

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		9.7	0.33	pg/L	1	0.00	8290A
2,3,7,8-TCDF	ND		9.7	0.20	pg/L	0.1	0.00	8290A
1,2,3,7,8-PeCDD	ND		49	0.56	pg/L	1	0.00	8290A
1,2,3,7,8-PeCDF	ND		49	0.38	pg/L	0.03	0.00	8290A
2,3,4,7,8-PeCDF	ND		49	0.38	pg/L	0.3	0.00	8290A
1,2,3,4,7,8-HxCDD	**2.5**	**J B**	49	0.52	pg/L	0.1	**0.25**	8290A
1,2,3,6,7,8-HxCDD	ND		49	0.50	pg/L	0.1	0.00	8290A
1,2,3,7,8,9-HxCDD	ND		49	0.45	pg/L	0.1	0.00	8290A
1,2,3,4,7,8-HxCDF	ND		49	0.67	pg/L	0.1	0.00	8290A
1,2,3,6,7,8-HxCDF	ND		49	0.64	pg/L	0.1	0.00	8290A
1,2,3,7,8,9-HxCDF	ND		49	0.68	pg/L	0.1	0.00	8290A
2,3,4,6,7,8-HxCDF	ND		49	0.65	pg/L	0.1	0.00	8290A
1,2,3,4,6,7,8-HpCDD	**1.3**	**J q B**	49	0.18	pg/L	0.01	**0.013**	8290A
1,2,3,4,6,7,8-HpCDF	**0.92**	**J B**	49	0.22	pg/L	0.01	**0.0092**	8290A
1,2,3,4,7,8,9-HpCDF	ND		49	0.27	pg/L	0.01	0.00	8290A
OCDD	**11**	**J B**	97	0.52	pg/L	0.0003	**0.0033**	8290A
OCDF	**2.1**	**J B**	97	0.44	pg/L	0.0003	**0.00063**	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/L		0.28	TEQ

TEF Reference:
WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Isotope Dilution Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-2

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCDD (40-135)	TCDF (40-135)	PeCDD (40-135)	PeCDF (40-135)	HxDD (40-135)	HxCDF (40-135)	HpCDD (40-135)	HpCDF (40-135)
320-81042-7	AOC3/AOC8-S6E-0.5	77		84	76	76	79	74	77
320-81042-7 - RA	AOC3/AOC8-S6E-0.5		89						
320-81042-8	AOC3/AOC8-S6E-2	62	69	72	70	72	72	74	72
320-81042-26	AOC3/AOC8-S3G-0.5	77	77	79	84	79	81	71	76
320-81042-27	AOC3/AOC8-S3G-2	74	73	80	75	70	71	71	69
LCS 320-539149/2-A	Lab Control Sample	72	73	75	66	76	80	73	72
LCSD 320-539149/3-A	Lab Control Sample Dup	74	75	72	76	74	76	77	73
MB 320-539149/1-A	Method Blank	72	82	87	90	63	72	66	68

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OCDD (40-135)
320-81042-7	AOC3/AOC8-S6E-0.5	72
320-81042-7 - RA	AOC3/AOC8-S6E-0.5	
320-81042-8	AOC3/AOC8-S6E-2	72
320-81042-26	AOC3/AOC8-S3G-0.5	70
320-81042-27	AOC3/AOC8-S3G-2	71
LCS 320-539149/2-A	Lab Control Sample	75
LCSD 320-539149/3-A	Lab Control Sample Dup	72
MB 320-539149/1-A	Method Blank	65

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD
TCDF = 13C-2,3,7,8-TCDF
PeCDD = 13C-1,2,3,7,8-PeCDD
PeCDF = 13C-1,2,3,7,8-PeCDF
HxDD = 13C-1,2,3,6,7,8-HxCDD
HxCDF = 13C-1,2,3,4,7,8-HxCDF
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HpCDF = 13C-1,2,3,4,6,7,8-HpCDF
OCDD = 13C-OCDD

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCDD (40-135)	TCDF (40-135)	PeCDD (40-135)	PeCDF (40-135)	HxDD (40-135)	HxCDF (40-135)	HpCDD (40-135)	HpCDF (40-135)
320-81042-56	EB10282021	85	86	85	89	90	102	104	98
LCS 320-539427/2-A	Lab Control Sample	84	85	95	92	83	91	108	98
LCSD 320-539427/3-A	Lab Control Sample Dup	90	92	100	94	88	89	102	98
MB 320-539427/1-A	Method Blank	69	74	74	77	75	81	91	80

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OCDD (40-135)
320-81042-56	EB10282021	114
LCS 320-539427/2-A	Lab Control Sample	91
LCSD 320-539427/3-A	Lab Control Sample Dup	96
MB 320-539427/1-A	Method Blank	95

Surrogate Legend

Isotope Dilution Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-2

TCDD = 13C-2,3,7,8-TCDD
TCDF = 13C-2,3,7,8-TCDF
PeCDD = 13C-1,2,3,7,8-PeCDD
PeCDF = 13C-1,2,3,7,8-PeCDF
HxDD = 13C-1,2,3,6,7,8-HxCDD
HxCDF = 13C-1,2,3,4,7,8-HxCDF
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HpCDF = 13C-1,2,3,4,6,7,8-HpCDF
OCDD = 13C-OCDD

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-539149/1-A
Matrix: Solid
Analysis Batch: 544394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539149

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.0	0.13	pg/g		11/02/21 10:24	11/18/21 23:13	1
2,3,7,8-TCDF	ND		1.0	0.034	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,7,8-PeCDD	ND		5.0	0.12	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,7,8-PeCDF	ND		5.0	0.066	pg/g		11/02/21 10:24	11/18/21 23:13	1
2,3,4,7,8-PeCDF	ND		5.0	0.068	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,4,7,8-HxCDD	0.377	J	5.0	0.14	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,6,7,8-HxCDD	0.201	J q	5.0	0.14	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,7,8,9-HxCDD	ND		5.0	0.13	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,4,7,8-HxCDF	0.163	J	5.0	0.059	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,6,7,8-HxCDF	0.176	J	5.0	0.059	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,7,8,9-HxCDF	0.258	J	5.0	0.066	pg/g		11/02/21 10:24	11/18/21 23:13	1
2,3,4,6,7,8-HxCDF	ND		5.0	0.063	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,4,6,7,8-HpCDD	0.312	J	5.0	0.031	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,4,6,7,8-HpCDF	ND		5.0	0.094	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,4,7,8,9-HpCDF	ND		5.0	0.11	pg/g		11/02/21 10:24	11/18/21 23:13	1
OCDD	0.871	J q	10	0.11	pg/g		11/02/21 10:24	11/18/21 23:13	1
OCDF	0.478	J	10	0.089	pg/g		11/02/21 10:24	11/18/21 23:13	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*72*		*40 - 135*	*11/02/21 10:24*	*11/18/21 23:13*	*1*
13C-2,3,7,8-TCDF	*82*		*40 - 135*	*11/02/21 10:24*	*11/18/21 23:13*	*1*
13C-1,2,3,7,8-PeCDD	*87*		*40 - 135*	*11/02/21 10:24*	*11/18/21 23:13*	*1*
13C-1,2,3,7,8-PeCDF	*90*		*40 - 135*	*11/02/21 10:24*	*11/18/21 23:13*	*1*
13C-1,2,3,6,7,8-HxCDD	*63*		*40 - 135*	*11/02/21 10:24*	*11/18/21 23:13*	*1*
13C-1,2,3,4,7,8-HxCDF	*72*		*40 - 135*	*11/02/21 10:24*	*11/18/21 23:13*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*66*		*40 - 135*	*11/02/21 10:24*	*11/18/21 23:13*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*68*		*40 - 135*	*11/02/21 10:24*	*11/18/21 23:13*	*1*
13C-OCDD	*65*		*40 - 135*	*11/02/21 10:24*	*11/18/21 23:13*	*1*

Lab Sample ID: LCS 320-539149/2-A
Matrix: Solid
Analysis Batch: 544394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539149

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD	20.0	23.3		pg/g		117	77 - 130
2,3,7,8-TCDF	20.0	24.0		pg/g		120	79 - 137
1,2,3,7,8-PeCDD	100	112		pg/g		112	79 - 134
1,2,3,7,8-PeCDF	100	118		pg/g		118	81 - 134
2,3,4,7,8-PeCDF	100	117		pg/g		117	76 - 132
1,2,3,4,7,8-HxCDD	100	110		pg/g		110	65 - 144
1,2,3,6,7,8-HxCDD	100	111		pg/g		111	73 - 147
1,2,3,7,8,9-HxCDD	100	112		pg/g		112	80 - 143
1,2,3,4,7,8-HxCDF	100	109		pg/g		109	72 - 140
1,2,3,6,7,8-HxCDF	100	110		pg/g		110	63 - 152
1,2,3,7,8,9-HxCDF	100	113		pg/g		113	72 - 152
2,3,4,6,7,8-HxCDF	100	112		pg/g		112	72 - 151
1,2,3,4,6,7,8-HpCDD	100	110		pg/g		110	86 - 134
1,2,3,4,6,7,8-HpCDF	100	115		pg/g		115	81 - 137
1,2,3,4,7,8,9-HpCDF	100	115		pg/g		115	79 - 139

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-539149/2-A
Matrix: Solid
Analysis Batch: 544394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539149

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
OCDD			200	220		pg/g		110	80 - 137		
OCDF			200	224		pg/g		112	75 - 141		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*72*		*40 - 135*
13C-2,3,7,8-TCDF	*73*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*75*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*66*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*76*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*80*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*73*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*72*		*40 - 135*
13C-OCDD	*75*		*40 - 135*

Lab Sample ID: LCSD 320-539149/3-A
Matrix: Solid
Analysis Batch: 544394

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 539149

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,7,8-TCDD			20.0	22.4		pg/g		112	77 - 130	4	20
2,3,7,8-TCDF			20.0	22.9		pg/g		115	79 - 137	5	20
1,2,3,7,8-PeCDD			100	111		pg/g		111	79 - 134	1	20
1,2,3,7,8-PeCDF			100	111		pg/g		111	81 - 134	7	20
2,3,4,7,8-PeCDF			100	110		pg/g		110	76 - 132	6	20
1,2,3,4,7,8-HxCDD			100	108		pg/g		108	65 - 144	2	20
1,2,3,6,7,8-HxCDD			100	110		pg/g		110	73 - 147	1	20
1,2,3,7,8,9-HxCDD			100	111		pg/g		111	80 - 143	1	20
1,2,3,4,7,8-HxCDF			100	108		pg/g		108	72 - 140	1	20
1,2,3,6,7,8-HxCDF			100	107		pg/g		107	63 - 152	3	20
1,2,3,7,8,9-HxCDF			100	109		pg/g		109	72 - 152	3	20
2,3,4,6,7,8-HxCDF			100	108		pg/g		108	72 - 151	4	20
1,2,3,4,6,7,8-HpCDD			100	107		pg/g		107	86 - 134	3	20
1,2,3,4,6,7,8-HpCDF			100	111		pg/g		111	81 - 137	4	20
1,2,3,4,7,8,9-HpCDF			100	112		pg/g		112	79 - 139	2	20
OCDD			200	229		pg/g		115	80 - 137	4	20
OCDF			200	239		pg/g		119	75 - 141	6	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*74*		*40 - 135*
13C-2,3,7,8-TCDF	*75*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*72*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*76*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*74*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*76*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*77*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*73*		*40 - 135*
13C-OCDD	*72*		*40 - 135*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-539427/1-A
Matrix: Water
Analysis Batch: 542008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539427

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		10	0.77	pg/L		11/03/21 06:26	11/12/21 04:23	1
2,3,7,8-TCDF	ND		10	0.31	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,7,8-PeCDD	ND		50	0.81	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,7,8-PeCDF	ND		50	0.55	pg/L		11/03/21 06:26	11/12/21 04:23	1
2,3,4,7,8-PeCDF	ND		50	0.56	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,4,7,8-HxCDD	3.68	J	50	0.82	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,6,7,8-HxCDD	ND		50	0.79	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,7,8,9-HxCDD	2.18	J	50	0.70	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,4,7,8-HxCDF	ND		50	0.77	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,6,7,8-HxCDF	ND		50	0.74	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,7,8,9-HxCDF	1.20	J	50	0.79	pg/L		11/03/21 06:26	11/12/21 04:23	1
2,3,4,6,7,8-HxCDF	1.61	J	50	0.75	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,4,6,7,8-HpCDD	3.97	J	50	0.32	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,4,6,7,8-HpCDF	2.14	J	50	0.44	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,4,7,8,9-HpCDF	1.83	J q	50	0.55	pg/L		11/03/21 06:26	11/12/21 04:23	1
OCDD	24.3	J	100	0.74	pg/L		11/03/21 06:26	11/12/21 04:23	1
OCDF	7.30	J q	100	0.62	pg/L		11/03/21 06:26	11/12/21 04:23	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*69*		*40 - 135*	*11/03/21 06:26*	*11/12/21 04:23*	*1*
13C-2,3,7,8-TCDF	*74*		*40 - 135*	*11/03/21 06:26*	*11/12/21 04:23*	*1*
13C-1,2,3,7,8-PeCDD	*74*		*40 - 135*	*11/03/21 06:26*	*11/12/21 04:23*	*1*
13C-1,2,3,7,8-PeCDF	*77*		*40 - 135*	*11/03/21 06:26*	*11/12/21 04:23*	*1*
13C-1,2,3,6,7,8-HxCDD	*75*		*40 - 135*	*11/03/21 06:26*	*11/12/21 04:23*	*1*
13C-1,2,3,4,7,8-HxCDF	*81*		*40 - 135*	*11/03/21 06:26*	*11/12/21 04:23*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*91*		*40 - 135*	*11/03/21 06:26*	*11/12/21 04:23*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*80*		*40 - 135*	*11/03/21 06:26*	*11/12/21 04:23*	*1*
13C-OCDD	*95*		*40 - 135*	*11/03/21 06:26*	*11/12/21 04:23*	*1*

Lab Sample ID: LCS 320-539427/2-A
Matrix: Water
Analysis Batch: 542532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539427

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD	200	224		pg/L		112	64 - 142
2,3,7,8-TCDF	200	223		pg/L		111	71 - 142
1,2,3,7,8-PeCDD	1000	1130		pg/L		113	71 - 140
1,2,3,7,8-PeCDF	1000	1120		pg/L		112	76 - 135
2,3,4,7,8-PeCDF	1000	1110		pg/L		111	74 - 137
1,2,3,4,7,8-HxCDD	1000	1200		pg/L		120	56 - 146
1,2,3,6,7,8-HxCDD	1000	1180		pg/L		118	73 - 144
1,2,3,7,8,9-HxCDD	1000	1180		pg/L		118	71 - 151
1,2,3,4,7,8-HxCDF	1000	1080		pg/L		108	75 - 131
1,2,3,6,7,8-HxCDF	1000	1060		pg/L		106	76 - 133
1,2,3,7,8,9-HxCDF	1000	1110		pg/L		111	77 - 142
2,3,4,6,7,8-HxCDF	1000	1070		pg/L		107	80 - 137
1,2,3,4,6,7,8-HpCDD	1000	1070		pg/L		107	78 - 139
1,2,3,4,6,7,8-HpCDF	1000	1100		pg/L		110	79 - 133
1,2,3,4,7,8,9-HpCDF	1000	1220		pg/L		122	83 - 130

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-539427/2-A
Matrix: Water
Analysis Batch: 542532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539427

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
OCDD			2000	2240		pg/L		112	80 - 132		
OCDF			2000	2380		pg/L		119	72 - 140		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*84*		*40 - 135*
13C-2,3,7,8-TCDF	*85*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*95*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*92*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*83*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*91*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*108*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*98*		*40 - 135*
13C-OCDD	*91*		*40 - 135*

Lab Sample ID: LCSD 320-539427/3-A
Matrix: Water
Analysis Batch: 542532

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 539427

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,7,8-TCDD			200	233		pg/L		117	64 - 142	4	20
2,3,7,8-TCDF			200	233		pg/L		116	71 - 142	5	20
1,2,3,7,8-PeCDD			1000	1130		pg/L		113	71 - 140	0	20
1,2,3,7,8-PeCDF			1000	1170		pg/L		117	76 - 135	4	20
2,3,4,7,8-PeCDF			1000	1150		pg/L		115	74 - 137	4	20
1,2,3,4,7,8-HxCDD			1000	1170		pg/L		117	56 - 146	3	20
1,2,3,6,7,8-HxCDD			1000	1140		pg/L		114	73 - 144	3	20
1,2,3,7,8,9-HxCDD			1000	1080		pg/L		108	71 - 151	8	20
1,2,3,4,7,8-HxCDF			1000	1090		pg/L		109	75 - 131	0	20
1,2,3,6,7,8-HxCDF			1000	1080		pg/L		108	76 - 133	2	20
1,2,3,7,8,9-HxCDF			1000	1140		pg/L		114	77 - 142	3	20
2,3,4,6,7,8-HxCDF			1000	1120		pg/L		112	80 - 137	4	20
1,2,3,4,6,7,8-HpCDD			1000	1080		pg/L		108	78 - 139	0	20
1,2,3,4,6,7,8-HpCDF			1000	1090		pg/L		109	79 - 133	0	20
1,2,3,4,7,8,9-HpCDF			1000	1240		pg/L		124	83 - 130	2	20
OCDD			2000	2120		pg/L		106	80 - 132	5	20
OCDF			2000	2250		pg/L		112	72 - 140	6	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*90*		*40 - 135*
13C-2,3,7,8-TCDF	*92*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*100*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*94*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*88*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*89*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*102*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*98*		*40 - 135*
13C-OCDD	*96*		*40 - 135*

QC Association Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-2

Specialty Organics

Prep Batch: 539149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-7 - RA	AOC3/AOC8-S6E-0.5	Total/NA	Solid	8290	
320-81042-7	AOC3/AOC8-S6E-0.5	Total/NA	Solid	8290	
320-81042-8	AOC3/AOC8-S6E-2	Total/NA	Solid	8290	
320-81042-26	AOC3/AOC8-S3G-0.5	Total/NA	Solid	8290	
320-81042-27	AOC3/AOC8-S3G-2	Total/NA	Solid	8290	
MB 320-539149/1-A	Method Blank	Total/NA	Solid	8290	
LCS 320-539149/2-A	Lab Control Sample	Total/NA	Solid	8290	
LCSD 320-539149/3-A	Lab Control Sample Dup	Total/NA	Solid	8290	

Prep Batch: 539427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-56	EB10282021	Total/NA	Water	8290	
MB 320-539427/1-A	Method Blank	Total/NA	Water	8290	
LCS 320-539427/2-A	Lab Control Sample	Total/NA	Water	8290	
LCSD 320-539427/3-A	Lab Control Sample Dup	Total/NA	Water	8290	

Analysis Batch: 542008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-56	EB10282021	Total/NA	Water	8290A	539427
MB 320-539427/1-A	Method Blank	Total/NA	Water	8290A	539427

Analysis Batch: 542532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-539427/2-A	Lab Control Sample	Total/NA	Water	8290A	539427
LCSD 320-539427/3-A	Lab Control Sample Dup	Total/NA	Water	8290A	539427

Analysis Batch: 544394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-7	AOC3/AOC8-S6E-0.5	Total/NA	Solid	8290A	539149
320-81042-8	AOC3/AOC8-S6E-2	Total/NA	Solid	8290A	539149
320-81042-26	AOC3/AOC8-S3G-0.5	Total/NA	Solid	8290A	539149
320-81042-27	AOC3/AOC8-S3G-2	Total/NA	Solid	8290A	539149
MB 320-539149/1-A	Method Blank	Total/NA	Solid	8290A	539149
LCS 320-539149/2-A	Lab Control Sample	Total/NA	Solid	8290A	539149
LCSD 320-539149/3-A	Lab Control Sample Dup	Total/NA	Solid	8290A	539149

Analysis Batch: 544985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-7 - RA	AOC3/AOC8-S6E-0.5	Total/NA	Solid	8290A	539149

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-2

Client Sample ID: AOC3/AOC8-S6E-0.5

Lab Sample ID: 320-81042-7

Date Collected: 10/28/21 08:41

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290	RA		10.17 g	20.0 uL	539149	11/02/21 10:24	FC	TAL SAC
Total/NA	Analysis	8290A	RA	1			544985	11/21/21 22:32	KSS	TAL SAC
Total/NA	Prep	8290			10.17 g	20.0 uL	539149	11/02/21 10:24	FC	TAL SAC
Total/NA	Analysis	8290A		1			544394	11/19/21 02:25	GRB	TAL SAC

Client Sample ID: AOC3/AOC8-S6E-2

Lab Sample ID: 320-81042-8

Date Collected: 10/28/21 08:42

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.63 g	20.0 uL	539149	11/02/21 10:24	FC	TAL SAC
Total/NA	Analysis	8290A		1			544394	11/19/21 03:13	GRB	TAL SAC

Client Sample ID: AOC3/AOC8-S3G-0.5

Lab Sample ID: 320-81042-26

Date Collected: 10/28/21 10:11

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.29 g	20.0 uL	539149	11/02/21 10:24	FC	TAL SAC
Total/NA	Analysis	8290A		1			544394	11/19/21 04:01	GRB	TAL SAC

Client Sample ID: AOC3/AOC8-S3G-2

Lab Sample ID: 320-81042-27

Date Collected: 10/28/21 10:19

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.25 g	20.0 uL	539149	11/02/21 10:24	FC	TAL SAC
Total/NA	Analysis	8290A		1			544394	11/19/21 04:49	GRB	TAL SAC

Client Sample ID: EB10282021

Lab Sample ID: 320-81042-56

Date Collected: 10/28/21 12:50

Matrix: Water

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			1025.9 mL	20.0 uL	539427	11/03/21 06:26	FC	TAL SAC
Total/NA	Analysis	8290A		1			542008	11/12/21 11:08	GRB	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-2

Laboratory: Eurofins TestAmerica, Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
TEQ		Solid	Total Dioxin/Furan TEQ
TEQ		Water	Total Dioxin/Furan TEQ

Method Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-2

Method	Method Description	Protocol	Laboratory
8290A	Dioxins and Furans (HRGC/HRMS)	SW846	TAL SAC
TEQ	Total TEQ Calculation	Lab SOP	TAL SAC
8290	Separatory Funnel (Liquid-Liquid) Extraction of Dioxins and Furans	SW846	TAL SAC
8290	Soxhlet Extraction of Dioxins and Furans	SW846	TAL SAC

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

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

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-81042-7	AOC3/AOC8-S6E-0.5	Solid	10/28/21 08:41	10/29/21 14:21
320-81042-8	AOC3/AOC8-S6E-2	Solid	10/28/21 08:42	10/29/21 14:21
320-81042-26	AOC3/AOC8-S3G-0.5	Solid	10/28/21 10:11	10/29/21 14:21
320-81042-27	AOC3/AOC8-S3G-2	Solid	10/28/21 10:19	10/29/21 14:21
320-81042-56	EB10282021	Water	10/28/21 12:50	10/29/21 14:21

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

320-81042

301259

eurofins

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemeco	Date: 10/28/21	COC No: 1
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: Test America	1 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNR/NES
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below			Lab Sampling:
Project Name: Cole School PEA	☑ 2 weeks			Job / SDG No
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC3-S6D-0.5	10/28/21	0827	G	Soil	1					X		X	X			
AOC3-S6D-2		0828										X				
AOC3-S5D-0.5		08:27										X	X		X	
AOC3-S5D-2		08:29										X				
AOC3-S5E-0.5		08:34								X		X	X			
AOC3-S5E-2		08:35										X				
AOC3/AOC8-S6E-0.5		08:41										X	X	X	X	
AOC3/AOC8-S6E-2		08:42										X		X		
AOC3-S8E-0.5		0858										X	X		X	
AOC3-S8E-2		0859										X				
AOC3-S7E-2		0901										X				

320-81042 Chain of Custody

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for ____ Months

Special Instructions/QC Requirements & Comments:
Hold samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp (°C): Obs'd. ____ Corr'd. ____ Therm ID No. ____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Daysi Nemeco (Secured location Alameda office)	N&M	10/28/21 14:34	Leslie Jung	N&M	10/28 1431
Leslie Jung	N&M	10/29/21 13:07	C. Fisher	ETA SJ	10/29/21 13.07
C. Fisher	ETA SJ	10/29/21 14:21		TestAm SJ	10/29/21 1421

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

10.1.8 / 3.5, C°

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Eurofins TestAmerica, Sacramento
880 Riverside Parkway

West Sacramento, CA 95605-1500
phone 916.373 5600 fax 303.467 7248

Chain of Custody Record

320-81042

301259

eurofins

Environment Testing TestAmerica

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemeco	Date: 10/28/2021	COC No: 1
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: Test America	2 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNR/LNES
Alameda California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling:
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
1 AOC3-S9E-0.5	10/28/21	09:00	G	Soil	1							X	X		X	
AOC3-S9E-0.5 DUP		09:01										X	X		X	
AOC3-S9E-2		09:02										X				
AOC3-S7E-0.5		0912										X	X		X	
AOC3-S6F-0.5		09:10										X	X		X	
AOC3-S6F-2		09:12										X				
AOC3-S6G-0.5		09:56								X		X	X			
AOC3-S6G-2		09:58										X				
AOC3-S5F-0.5		0958										X	X		X	
AOC3-S5F-2		0959										X				
2 AOC3-S4F-0.5	↓	1002	↓	↓	↓							X	X		X	

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

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

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

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

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

Special Instructions/QC Requirements & Comments

Hold samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp. (°C): Obs'd: _____ Corr'd _____ Therm ID No. _____			
Relinquished by: Daysi Nemeco	Company: NMA	Date/Time: 10/28/21 14:34	Received by: Leslie Jung	Company: NMA	Date/Time: 10/28/21 14:34
Relinquished by: Leslie Jung	Company: NMA	Date/Time: 10/29/21 13:07	Received by:	Company: ETT SJ	Date/Time: 10/29/21 13:07
Relinquished by:	Company: ETT SJ	Date/Time: 10/29/21 14:21	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

12/15/2021 (Rev. 1)

201259

Eurofins TestAmerica, Sacramento

880 Riverside Parkway

West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

320-81042

eurofins

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Uemeuo	Date: 10/28/21	COC No: 1
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: Test America	3 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNR/NES
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below ______			Lab Sampling:
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street; Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC3-S4F-2	10/28/21	1004	G	Soil	1							X				
AOC3-S3F-0.5		1005										X	X		X	
AOC3-S3F-2		1007										X				
AOC3/AOC8-S3G-0.5		1011										X	X	X	X	
AOC3/AOC8-S3G-2		1019										X		X		
AOC3-S4G-0.5		1022										X	X		X	
AOC3-S4G-2		1024										X				
AOC3-S5G-0.5		1031										X	X		X	
AOC3-S5G-2		1032										X				
AOC3-S5G-2 DUP		1032										X				
AOC3-S2G-0.5		1102										X	X		X	

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

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

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

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

☐Return to Client ☐Disposal by Lab ☐Archive for ______ Months

Special Instructions/QC Requirements & Comments:

Hold samples for additional analyses

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp. (°C): Obs'd. ______ Corr'd. ______ Therm ID No. ______

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Daysi Uemeuo — Sealed location Alameda office	N&M	10/28/21 14:34	Leslie Jung	N&M	10/28 14:34
Leslie Jung	N&M	10/29/21 13:07	A. Fish	ETA SS	10/29/21 13:09
A. Fish	ETA SS	10/29/21 14:21	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

Eurofins TestAmerica, Sacramento
880 Riverside Parkway

West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

320-81042 # 201259

eurofins

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemeao	Date: 10/28/21	COC No: 1
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: Test America	4 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNR/NES
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes.
24 AOC3-S2G-2	10/28/21	1103	G	Soil	1							X				
AOC3-S2H-0.5	10/28/21	11:01										X	X		X	
AOC3-S2H-2	10/28/21	11:03										X				
AOC3-S2F-0.5		11:08								X		X	X			
AOC3-S2F-2		11:10										X				
AOC3-S2F-0.5 Dup		11:08								X		X	X			
AOC3-S1F-0.5		11:13										X	X		X	
AOC3-S1F-2		11:14										X				
AOC3-S1G-0.5		1121										X	X		X	
AOC3-S1G-2		1122										X				
34 AOC3-S1H-0.5		1124										X	X		X	

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

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

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

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

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

Special Instructions/QC Requirements & Comments.

Hold sample for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp. (°C): Obs'd:_____ Corr'd._____ Therm ID No._____			
Relinquished by: Daysi Nemeao Alameda office secured location	Company: NR/M	Date/Time: 10/28/21 14:31	Received by: Leslie Jung	Company: N&M	Date/Time: 10/28 1434
Relinquished by: Leslie Jung	Company: N&M	Date/Time: 10/29/21 13:07	Received by:	Company: EFA SJ	Date/Time: 10/29/21 13.07
Relinquished by:	Company: EFA SJ	Date/Time: 10/29/21 14:21	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

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Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

320-81042

201259

eurofins

Environment Testing TestAmerica

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Herrera	Date: 10/28/21	COC No: 1
Ninyo & Moore	Email ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: Test America	5 of 5 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DURANES
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC3-S1H-2	10/28/21	11:25	G	Soil	1							X				
AOC3-S5H-0.5	10/28/21	11:57	G	Soil	1							X	X		X	
AOC3-S5H-2	10/28/21	11:59	G	Soil	1							X				
AOC3-S4H-0.5	10/28/21	12:00	G	Soil	1							X	X		X	
AOC3-S4H-2	10/28/21	12:02	G	Soil	1							X				
AOC3-S3H-0.5	10/28/21	12:04	G	Soil	1							X	X		X	
AOC3-S3H-2	10/28/21	12:06	G	Soil	1							X				
AOC3-S4I-0.5	10/28/21	12:15	G	Soil	1							X	X		X	
AOC3-S4I-2	10/28/21	12:17	G	Soil	1							X				
AOC3-S5I-0.5	10/28/21	12:26	G	Soil	1							X	X		X	
AOC3-S5I-2	10/28/21	12:28	G	Soil	1							X				

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

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

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

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

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

Special Instructions/QC Requirements & Comments

Hold sample for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp. (°C): Obs'd _____ Corr'd. _____ Therm ID No.. _____			
Relinquished by: Daysi Herrera (Secured portion Alameda office)	Company: NM	Date/Time: 10/28/21 14:34	Received by: Leslie Jung	Company: NM	Date/Time: 10/28 1434
Relinquished by: Leslie Jung	Company: NM	Date/Time: 10/29/21 13:07	Received by: [signature]	Company: EFM SJ	Date/Time: 10/29/21 13:07
Relinquished by: [signature]	Company: EFM SJ	Date/Time: 10/29/21 14:21	Received in Laboratory by:	Company	Date/Time:

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

12/15/2021 (Rev. 1)

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320-81042

Chain of Custody Record

501259

eurofins

Environment Testing America

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Warren	Date: 10/28/21	COC No: 1
Ninyo & Moore	Email ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: Test America	6 of 6 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DW/NES
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
EB10282021	10/28/21	12:50	G	H_2O	3					X		X	X	X		

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments.
Hold Samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp. (°C). Obs'd._____ Corr'd._____ Therm ID No._____

Relinquished by: Daysi Warren	Company: Alameda office Ewerd location	Date/Time: 10/28/21 14:34	Received by: Leslie Jung	Company: NDM	Date/Time: 10/29	14 34
Relinquished by: Leslie Jung	Company: NDM	Date/Time: 10/29/21 13:07	Received by:	Company: EFA SS	Date/Time: 10/29/21	13 07
Relinquished by:	Company: EFA SS	Date/Time: 10/29/21 14:21	Received in Laboratory by:	Company:	Date/Time:	

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

Page 31 of 41

12/15/2021 (Rev. 1)

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247584.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 1 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81042-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email:	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B CAM 17 List, minus Mercury	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B (MOD) Lead, Arsenic	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S6D-0 5 (320-81042-1)	10/28/21	08:27 Pacific		Solid			X	X	X				1	
AOC3-S6D-2 (320-81042-2)	10/28/21	08:28 Pacific		Solid				X					1	
AOC3-S5D--0.5 (320-81042-3)	10/28/21	08:27 Pacific		Solid				X	X	X			1	
AOC3-S5D-2 (320-81042-4)	10/28/21	08:29 Pacific		Solid				X					1	
AOC3-S5E-0.5 (320-81042-5)	10/28/21	08:34 Pacific		Solid			X	X	X				1	
AOC3-S5E-2 (320-81042-6)	10/28/21	08:35 Pacific		Solid				X					1	
AOC3/AOC8-S6E-0.5 (320-81042-7)	10/28/21	08:41 Pacific		Solid				X	X	X	X		1	
AOC3AOC8-S6E-2 (320-81042-8)	10/28/21	08:42 Pacific		Solid							X		1	
AOC3-S8E-0.5 (320-81042-9)	10/28/21	08:58 Pacific		Solid				X	X	X			1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		10/1/21 1615	EMSL		10/1/21 1615	DCS
2		10-1-21 1930	DCS		10/1/21 1930	EEETSAL
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.7 & 1.6

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247584.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 2 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81042-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email:	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#			

Preservation Codes:

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

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B CAM 17 List, minus Mercury	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B (MOD) Lead, Arsenic	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
Preservation Code:														
AOC3-S8E-2 (320-81042-10)	10/28/21	08:59 Pacific		Solid				X					1	
AOC3-S7E-2 (320-81042-11)	10/28/21	09:01 Pacific		Solid				X					1	
AOC3-S9E-0 5 (320-81042-12)	10/28/21	09:00 Pacific		Solid				X	X	X			1	
AOC3-S9E-0.5 DUP (320-81042-13)	10/28/21	09:01 Pacific		Solid				X	X	X			1	
AOC3-S9E-2 (320-81042-14)	10/28/21	09:02 Pacific		Solid				X					1	
AOC3-S7E-0.5 (320-81042-15)	10/28/21	09:12 Pacific		Solid				X	X	X			1	
AOC3-S6F-0.5 (320-81042-16)	10/28/21	09:10 Pacific		Solid				X	X	X			1	
AOC3-S6F-2 (320-81042-17)	10/28/21	09:12 Pacific		Solid				X					1	
AOC3-S6G-0 5 (320-81042-18)	10/28/21	09:56 Pacific		Solid			X	X	X				1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		11/1/21 1615	EEISA		11/1/21 1615	DCS
2		11-1-21 1930	DCS		11/1/21 1930	EEISA
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gonzales, Justinn	Carrier Tracking No(s)	COC No: 320-247584.3
Client Contact: Shipping/Receiving	Phone	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 3 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81042-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email:	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B CAM 17 List, minus Mercury	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B (MOD) Lead, Arsenic	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S6G-2 (320-81042-19)	10/28/21	09:58 Pacific		Solid				X					1	
AOC3-S5F-0.5 (320-81042-20)	10/28/21	09:58 Pacific		Solid				X	X	X			1	
AOC3-S5F-2 (320-81042-21)	10/28/21	09:59 Pacific		Solid				X					1	
AOC3-S4F-0.5 (320-81042-22)	10/28/21	10:02 Pacific		Solid				X	X	X			1	
AOC3-S4F-2 (320-81042-23)	10/28/21	10:04 Pacific		Solid				X					1	
AOC3-S3F-0.5 (320-81042-24)	10/28/21	10:05 Pacific		Solid				X	X	X			1	
AOC3-S3F-2 (320-81042-25)	10/28/21	10:07 Pacific		Solid				X					1	
AOC3/AOC8-S3G-0.5 (320-81042-26)	10/28/21	10:11 Pacific		Solid				X	X	X	X		1	
AOC3-/AOC8-S3G-2 (320-81042-27)	10/28/21	10:19 Pacific		Solid							X		1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/1/21 1615	ESAT-SJ		11/1/21 1615	DCS
2		11-1-21 1930	DCS		11/1/21-1930	EESAC
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gonzales, Justinn	Carrier Tracking No(s)	COC No: 320-247584.4
Client Contact: Shipping/Receiving	Phone	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 4 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81042-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B CAM 17 List, minus Mercury	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B (MOD) Lead, Arsenic	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S4G-0.5 (320-81042-28)	10/28/21	10:22 Pacific		Solid				X	X	X			1	
AOC3-S4G-2 (320-81042-29)	10/28/21	10:24 Pacific		Solid				X					1	
AOC3-S5G-0.5 (320-81042-30)	10/28/21	10:31 Pacific		Solid				X	X	X			1	
AOC3-S5G-2 (320-81042-31)	10/28/21	10:32 Pacific		Solid				X					1	
AOC3-S5G-2 DUP (320-81042-32)	10/28/21	10:32 Pacific		Solid				X					1	
AOC3-S2G-0.5 (320-81042-33)	10/28/21	11:02 Pacific		Solid				X	X	X			1	
AOC3-S2G-2 (320-81042-34)	10/28/21	11:03 Pacific		Solid				X					1	
AOC3-S2H-0.5 (320-81042-35)	10/28/21	11:01 Pacific		Solid				X	X	X			1	
AOC3-S2H-2 (320-81042-36)	10/28/21	11:03 Pacific		Solid				X					1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmenca laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		10/31/21 1615	FEMTA		10/31/21 1615	TAS
2		11-1-21 1930	TAS		11/1/21 1930	EESA
3		Date/Time	Company		Date/Time	Company

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

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gonzales, Justinn	Carrier Tracking No(s)	COC No: 320-247584.5
Client Contact: Shipping/Receiving	Phone	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 5 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81042-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email:	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B CAM 17 List, minus Mercury	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B (MOD) Lead, Arsenic	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S2F-0.5 (320-81042-37)	10/28/21	11:08 Pacific		Solid			X	X	X				1	
AOC3-S2F-2 (320-81042-38)	10/28/21	11:10 Pacific		Solid				X					1	
AOC3-S2F-0.5 DUP (320-81042-39)	10/28/21	11:08 Pacific		Solid			X	X	X				1	
AOC3-S1F-0.5 (320-81042-40)	10/28/21	11:13 Pacific		Solid				X	X	X			1	
AOC3-S1F-2 (320-81042-41)	10/28/21	11:14 Pacific		Solid				X					1	
AOC3-S1G-0.5 (320-81042-42)	10/28/21	11:21 Pacific		Solid				X	X	X			1	
AOC3--S1G-2 (320-81042-43)	10/28/21	11:22 Pacific		Solid				X					1	
AOC3-S1H-0.5 (320-81042-44)	10/28/21	11:24 Pacific		Solid				X	X	X			1	
AOC3-S1H-2 (320-81042-45)	10/28/21	11:25 Pacific		Solid				X					1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmenca places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmenca laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		10/1/21 1610	TAL-SAC		10/1/21 1610	DE
2		10-1-21 1930	DE		10/1/21 1930	EETSAC
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gonzales, Justinn	Carrier Tracking No(s)	COC No: 320-247584.6
Client Contact: Shipping/Receiving	Phone	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 6 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81042-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email:	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B CAM 17 List, minus Mercury	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B (MOD) Lead, Arsenic	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S5H-0.5 (320-81042-46)	10/28/21	11:57 Pacific		Solid				X	X	X			1	
AOC3-S5H-2 (320-81042-47)	10/28/21	11:59 Pacific		Solid				X					1	
AOC3-S4H-0.5 (320-81042-48)	10/28/21	12:00 Pacific		Solid				X	X	X			1	
AOC3-S4H-2 (320-81042-49)	10/28/21	12:02 Pacific		Solid				X					1	
AOC3-S3H-0 5 (320-81042-50)	10/28/21	12:04 Pacific		Solid				X	X	X			1	
AOC3-S3H-2 (320-81042-51)	10/28/21	12:06 Pacific		Solid				X					1	
AOC3-S4I-0.5 (320-81042-52)	10/28/21	12:15 Pacific		Solid				X	X	X			1	
AOC3-S4I-2 (320-81042-53)	10/28/21	12:17 Pacific		Solid				X					1	
AOC3-S5I-0.5 (320-81042-54)	10/28/21	12:26 Pacific		Solid				X	X	X			1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		11/1/21 1615	FedEx		11/1/21 1615	TLS
2		11-1-21 1930	TLS		11/1/21 1930	FEDEX
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gonzales, Justinn	Carrier Tracking No(s)	COC No: 320-247584 7
Client Contact: Shipping/Receiving	Phone	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 7 of 7
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81042-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email:	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B CAM 17 List, minus Mercury	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B (MOD) Lead, Arsenic	8290/8290_P_Sox 17 isomers List	8290A/8290_P_Sep 17 isomers List	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
AOC3-S5I-2 (320-81042-55)	10/28/21	12:08 Pacific		Solid				X					1	
EB10282021 (320-81042-56)	10/28/21	12:50 Pacific		Water								X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		11/1/21 1615	TAL SAC		11/1/21 1615	DCS
2		11-1-21 1930	DCS		11/1/21-1930	EET SAC
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

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

Ver: 06/08/2021

TestAmerica CUSTODY SEAL

Date 11/1/21 Signature

320-81042 Waybill

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Part # 59469-434 MTW EXP 07/22

ORIGIN ID:LVKA (928) 484-1919
SAMPLE RECEIVING
EUROFINS TEST AMERICA
780 MONTAGUE EXPRESSWAY
SUITE 602
SAN JOSE, CA 95131
UNITED STATES US

SHIP DATE: 01NOV21
ACTWGT: 30.05 LB
CAD: 0795504/CAFE3507
DIMS: 28x16x15 IN

BILL SENDER

TO SAMPLE RECEIVING
EUROFINS CALSCIENCE, LLC
7440 LINCOLN WAY

GARDEN GROVE CA 92841
(714) 895-5494 REF:

INV:
PO: DEPT:

570C1/A822/6F4B

FedEx Express

TRK# 0201 5047 2941 7677

TUE - 02 NOV 11:30A
PRIORITY OVERNIGHT

92 APVA

92841
CA-US SNA

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81042-2

Login Number: 81042
List Number: 1
Creator: Garcia, Hilario A

List Source: Eurofins TestAmerica, Sacramento

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

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81042-2

Login Number: 81042
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	4.7 & 1.6
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-81042-3
Client Project/Site: Cole School PEA
Revision: 1

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Mr. Nathan Diem

Authorized for release by:
12/15/2021 10:41:18 AM

Justinn Gonzales, Project Manager I
(925)484-1919
Justinn.Gonzales@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job ID: 320-81042-3

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-81042-3

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 11/23/2021. The report (revision 1) is being revised due to: Report samples to MDL per client request.

Receipt
The samples were received on 10/29/2021 2:21 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 0.8º C, 1.0º C and 1.8º C.

Metals
Method 6010B: The matrix spike duplicate (MSD) recoveries for preparation batch 320-543917 and analytical batch 320-544802 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S6D-2 — Lab Sample ID: 320-81042-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	24	F2 F1	0.96	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S5D-2 — Lab Sample ID: 320-81042-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	990		0.95	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	2.2		1.9	1.2	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S5E-2 — Lab Sample ID: 320-81042-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	14		0.98	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S8E-2 — Lab Sample ID: 320-81042-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	19		0.96	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S7E-2 — Lab Sample ID: 320-81042-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.4		0.98	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S9E-2 — Lab Sample ID: 320-81042-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.9		0.97	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S6F-2 — Lab Sample ID: 320-81042-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.5		0.95	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S6G-2 — Lab Sample ID: 320-81042-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	65		0.98	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S5F-2 — Lab Sample ID: 320-81042-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.3		0.98	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S4F-2 — Lab Sample ID: 320-81042-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	6.4		0.98	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S3F-2 — Lab Sample ID: 320-81042-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.2		1.0	0.26	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3/AOC8-S3G-2 — Lab Sample ID: 320-81042-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	49		1.0	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	1.9	J	2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S4G-2 — Lab Sample ID: 320-81042-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.1		0.98	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S5G-2 — Lab Sample ID: 320-81042-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.7	J	2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S2G-2 — Lab Sample ID: 320-81042-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.9	J	2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S2F-2 — Lab Sample ID: 320-81042-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.9	J	2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S5H-2 — Lab Sample ID: 320-81042-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	45		0.98	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S4H-2 — Lab Sample ID: 320-81042-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	7.9		1.0	0.26	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S3H-2 — Lab Sample ID: 320-81042-51

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	8.9		0.97	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S5I-2 — Lab Sample ID: 320-81042-55

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	210		0.96	0.25	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S6D-2
Date Collected: 10/28/21 08:28
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-2
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	24	F2 F1	0.96	0.25	mg/Kg		11/18/21 13:37	11/19/21 13:42	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S5D-2

Date Collected: 10/28/21 08:29
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-4

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	990		0.95	0.25	mg/Kg		11/18/21 13:37	11/19/21 14:03	1
Arsenic	2.2		1.9	1.2	mg/Kg		11/18/21 13:37	11/19/21 14:03	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S5E-2

Date Collected: 10/28/21 08:35
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-6

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		0.98	0.25	mg/Kg		11/18/21 13:37	11/19/21 14:07	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S8E-2

Date Collected: 10/28/21 08:59
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-10

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19		0.96	0.25	mg/Kg		11/18/21 13:37	11/19/21 14:11	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S7E-2
Date Collected: 10/28/21 09:01
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-11
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.4		0.98	0.25	mg/Kg		11/18/21 13:37	11/19/21 14:23	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S9E-2
Date Collected: 10/28/21 09:02
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-14
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.9		0.97	0.25	mg/Kg		11/18/21 13:37	11/19/21 14:28	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S6F-2

Date Collected: 10/28/21 09:12
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-17

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.5		0.95	0.25	mg/Kg		11/18/21 13:37	11/19/21 14:32	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S6G-2
Date Collected: 10/28/21 09:58
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-19
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	65		0.98	0.25	mg/Kg		11/18/21 13:37	11/19/21 14:36	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S5F-2
Date Collected: 10/28/21 09:59
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-21
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.3		0.98	0.25	mg/Kg		11/18/21 13:37	11/19/21 14:40	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S4F-2
Date Collected: 10/28/21 10:04
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-23
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.4		0.98	0.25	mg/Kg		11/18/21 13:37	11/19/21 10:22	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S3F-2

Date Collected: 10/28/21 10:07
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-25

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.2		1.0	0.26	mg/Kg		11/18/21 13:37	11/19/21 10:41	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3/AOC8-S3G-2
Date Collected: 10/28/21 10:19
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-27
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	49		1.0	0.26	mg/Kg		11/18/21 13:37	11/19/21 10:45	1
Arsenic	1.9	J	2.0	1.3	mg/Kg		11/18/21 13:37	11/19/21 10:45	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S4G-2

Date Collected: 10/28/21 10:24
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-29

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.1		0.98	0.25	mg/Kg		11/18/21 13:37	11/19/21 10:49	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S5G-2
Date Collected: 10/28/21 10:32
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-31
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.7	J	2.0	1.3	mg/Kg		11/18/21 13:37	11/19/21 11:00	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S2G-2

Date Collected: 10/28/21 11:03
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-34

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.9	J	2.0	1.3	mg/Kg		11/18/21 13:37	11/19/21 11:04	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S2F-2

Date Collected: 10/28/21 11:10
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-38

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.9	J	2.0	1.3	mg/Kg		11/18/21 13:37	11/19/21 11:08	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S5H-2
Date Collected: 10/28/21 11:59
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-47
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	45		0.98	0.25	mg/Kg		11/18/21 13:37	11/19/21 11:12	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S4H-2

Date Collected: 10/28/21 12:02
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-49

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.9		1.0	0.26	mg/Kg		11/18/21 13:37	11/19/21 11:15	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S3H-2

Date Collected: 10/28/21 12:06
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-51

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.9		0.97	0.25	mg/Kg		11/18/21 13:37	11/19/21 11:19	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S5I-2

Date Collected: 10/28/21 12:28
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81042-55

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	210		0.96	0.25	mg/Kg		11/18/21 13:37	11/19/21 11:23	1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 320-543917/1-A
Matrix: Solid
Analysis Batch: 544802

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 543917

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.26	mg/Kg		11/18/21 13:37	11/19/21 13:34	1
Arsenic	ND		2.0	1.3	mg/Kg		11/18/21 13:37	11/19/21 13:34	1

Lab Sample ID: LCS 320-543917/2-A
Matrix: Solid
Analysis Batch: 544802

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 543917

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	25.0	22.8		mg/Kg		91	80 - 120
Arsenic	50.0	44.2		mg/Kg		88	80 - 120

Lab Sample ID: 320-81042-2 MS
Matrix: Solid
Analysis Batch: 544802

Client Sample ID: AOC3-S6D-2
Prep Type: Total/NA
Prep Batch: 543917

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	24	F2 F1	24.0	46.5		mg/Kg		92	80 - 120
Arsenic	2.1		48.1	44.5		mg/Kg		88	80 - 120

Lab Sample ID: 320-81042-2 MSD
Matrix: Solid
Analysis Batch: 544802

Client Sample ID: AOC3-S6D-2
Prep Type: Total/NA
Prep Batch: 543917

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	24	F2 F1	24.3	222	F1 F2	mg/Kg		814	80 - 120	131	35
Arsenic	2.1		48.5	43.8		mg/Kg		86	80 - 120	2	35

Lab Sample ID: MB 320-543922/1-A
Matrix: Solid
Analysis Batch: 544371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 543922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.26	mg/Kg		11/18/21 13:37	11/19/21 10:14	1
Arsenic	ND		2.0	1.3	mg/Kg		11/18/21 13:37	11/19/21 10:14	1

Lab Sample ID: LCS 320-543922/2-A
Matrix: Solid
Analysis Batch: 544371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 543922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	25.0	22.4		mg/Kg		89	80 - 120
Arsenic	50.0	42.9		mg/Kg		86	80 - 120

Lab Sample ID: 320-81042-23 MS
Matrix: Solid
Analysis Batch: 544371

Client Sample ID: AOC3-S4F-2
Prep Type: Total/NA
Prep Batch: 543922

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	6.4		24.5	26.7		mg/Kg		83	80 - 120
Arsenic	2.0		49.0	44.4		mg/Kg		87	80 - 120

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Method: 6010B - Metals (ICP)

Lab Sample ID: 320-81042-23 MSD
Matrix: Solid
Analysis Batch: 544371

Client Sample ID: AOC3-S4F-2
Prep Type: Total/NA
Prep Batch: 543922

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	6.4		23.8	25.7		mg/Kg		81	80 - 120	4	35
Arsenic	2.0		47.6	43.3		mg/Kg		87	80 - 120	2	35

Metals

Prep Batch: 543917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-2	AOC3-S6D-2	Total/NA	Solid	3050B	
320-81042-4	AOC3-S5D-2	Total/NA	Solid	3050B	
320-81042-6	AOC3-S5E-2	Total/NA	Solid	3050B	
320-81042-10	AOC3-S8E-2	Total/NA	Solid	3050B	
320-81042-11	AOC3-S7E-2	Total/NA	Solid	3050B	
320-81042-14	AOC3-S9E-2	Total/NA	Solid	3050B	
320-81042-17	AOC3-S6F-2	Total/NA	Solid	3050B	
320-81042-19	AOC3-S6G-2	Total/NA	Solid	3050B	
320-81042-21	AOC3-S5F-2	Total/NA	Solid	3050B	
MB 320-543917/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-543917/2-A	Lab Control Sample	Total/NA	Solid	3050B	
320-81042-2 MS	AOC3-S6D-2	Total/NA	Solid	3050B	
320-81042-2 MSD	AOC3-S6D-2	Total/NA	Solid	3050B	

Prep Batch: 543922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-23	AOC3-S4F-2	Total/NA	Solid	3050B	
320-81042-25	AOC3-S3F-2	Total/NA	Solid	3050B	
320-81042-27	AOC3/AOC8-S3G-2	Total/NA	Solid	3050B	
320-81042-29	AOC3-S4G-2	Total/NA	Solid	3050B	
320-81042-31	AOC3-S5G-2	Total/NA	Solid	3050B	
320-81042-34	AOC3-S2G-2	Total/NA	Solid	3050B	
320-81042-38	AOC3-S2F-2	Total/NA	Solid	3050B	
320-81042-47	AOC3-S5H-2	Total/NA	Solid	3050B	
320-81042-49	AOC3-S4H-2	Total/NA	Solid	3050B	
320-81042-51	AOC3-S3H-2	Total/NA	Solid	3050B	
320-81042-55	AOC3-S5I-2	Total/NA	Solid	3050B	
MB 320-543922/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-543922/2-A	Lab Control Sample	Total/NA	Solid	3050B	
320-81042-23 MS	AOC3-S4F-2	Total/NA	Solid	3050B	
320-81042-23 MSD	AOC3-S4F-2	Total/NA	Solid	3050B	

Analysis Batch: 544371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-23	AOC3-S4F-2	Total/NA	Solid	6010B	543922
320-81042-25	AOC3-S3F-2	Total/NA	Solid	6010B	543922
320-81042-27	AOC3/AOC8-S3G-2	Total/NA	Solid	6010B	543922
320-81042-29	AOC3-S4G-2	Total/NA	Solid	6010B	543922
320-81042-31	AOC3-S5G-2	Total/NA	Solid	6010B	543922
320-81042-34	AOC3-S2G-2	Total/NA	Solid	6010B	543922
320-81042-38	AOC3-S2F-2	Total/NA	Solid	6010B	543922
320-81042-47	AOC3-S5H-2	Total/NA	Solid	6010B	543922
320-81042-49	AOC3-S4H-2	Total/NA	Solid	6010B	543922
320-81042-51	AOC3-S3H-2	Total/NA	Solid	6010B	543922
320-81042-55	AOC3-S5I-2	Total/NA	Solid	6010B	543922
MB 320-543922/1-A	Method Blank	Total/NA	Solid	6010B	543922
LCS 320-543922/2-A	Lab Control Sample	Total/NA	Solid	6010B	543922
320-81042-23 MS	AOC3-S4F-2	Total/NA	Solid	6010B	543922
320-81042-23 MSD	AOC3-S4F-2	Total/NA	Solid	6010B	543922

QC Association Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Metals

Analysis Batch: 544802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81042-2	AOC3-S6D-2	Total/NA	Solid	6010B	543917
320-81042-4	AOC3-S5D-2	Total/NA	Solid	6010B	543917
320-81042-6	AOC3-S5E-2	Total/NA	Solid	6010B	543917
320-81042-10	AOC3-S8E-2	Total/NA	Solid	6010B	543917
320-81042-11	AOC3-S7E-2	Total/NA	Solid	6010B	543917
320-81042-14	AOC3-S9E-2	Total/NA	Solid	6010B	543917
320-81042-17	AOC3-S6F-2	Total/NA	Solid	6010B	543917
320-81042-19	AOC3-S6G-2	Total/NA	Solid	6010B	543917
320-81042-21	AOC3-S5F-2	Total/NA	Solid	6010B	543917
MB 320-543917/1-A	Method Blank	Total/NA	Solid	6010B	543917
LCS 320-543917/2-A	Lab Control Sample	Total/NA	Solid	6010B	543917
320-81042-2 MS	AOC3-S6D-2	Total/NA	Solid	6010B	543917
320-81042-2 MSD	AOC3-S6D-2	Total/NA	Solid	6010B	543917

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S6D-2
Lab Sample ID: 320-81042-2
Date Collected: 10/28/21 08:28
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.04 g	100 mL	543917	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544802	11/19/21 13:42	GSH	TAL SAC

Client Sample ID: AOC3-S5D-2
Lab Sample ID: 320-81042-4
Date Collected: 10/28/21 08:29
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	543917	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544802	11/19/21 14:03	GSH	TAL SAC

Client Sample ID: AOC3-S5E-2
Lab Sample ID: 320-81042-6
Date Collected: 10/28/21 08:35
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.02 g	100 mL	543917	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544802	11/19/21 14:07	GSH	TAL SAC

Client Sample ID: AOC3-S8E-2
Lab Sample ID: 320-81042-10
Date Collected: 10/28/21 08:59
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.04 g	100 mL	543917	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544802	11/19/21 14:11	GSH	TAL SAC

Client Sample ID: AOC3-S7E-2
Lab Sample ID: 320-81042-11
Date Collected: 10/28/21 09:01
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.02 g	100 mL	543917	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544802	11/19/21 14:23	GSH	TAL SAC

Client Sample ID: AOC3-S9E-2
Lab Sample ID: 320-81042-14
Date Collected: 10/28/21 09:02
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.03 g	100 mL	543917	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544802	11/19/21 14:28	GSH	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S6F-2
Lab Sample ID: 320-81042-17
Date Collected: 10/28/21 09:12
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	543917	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544802	11/19/21 14:32	GSH	TAL SAC

Client Sample ID: AOC3-S6G-2
Lab Sample ID: 320-81042-19
Date Collected: 10/28/21 09:58
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.02 g	100 mL	543917	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544802	11/19/21 14:36	GSH	TAL SAC

Client Sample ID: AOC3-S5F-2
Lab Sample ID: 320-81042-21
Date Collected: 10/28/21 09:59
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.02 g	100 mL	543917	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544802	11/19/21 14:40	GSH	TAL SAC

Client Sample ID: AOC3-S4F-2
Lab Sample ID: 320-81042-23
Date Collected: 10/28/21 10:04
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.02 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 10:22	GSH	TAL SAC

Client Sample ID: AOC3-S3F-2
Lab Sample ID: 320-81042-25
Date Collected: 10/28/21 10:07
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.00 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 10:41	GSH	TAL SAC

Client Sample ID: AOC3/AOC8-S3G-2
Lab Sample ID: 320-81042-27
Date Collected: 10/28/21 10:19
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.00 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 10:45	GSH	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S4G-2
Lab Sample ID: 320-81042-29
Date Collected: 10/28/21 10:24
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.02 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 10:49	GSH	TAL SAC

Client Sample ID: AOC3-S5G-2
Lab Sample ID: 320-81042-31
Date Collected: 10/28/21 10:32
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.01 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 11:00	GSH	TAL SAC

Client Sample ID: AOC3-S2G-2
Lab Sample ID: 320-81042-34
Date Collected: 10/28/21 11:03
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.01 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 11:04	GSH	TAL SAC

Client Sample ID: AOC3-S2F-2
Lab Sample ID: 320-81042-38
Date Collected: 10/28/21 11:10
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.02 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 11:08	GSH	TAL SAC

Client Sample ID: AOC3-S5H-2
Lab Sample ID: 320-81042-47
Date Collected: 10/28/21 11:59
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.02 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 11:12	GSH	TAL SAC

Client Sample ID: AOC3-S4H-2
Lab Sample ID: 320-81042-49
Date Collected: 10/28/21 12:02
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.00 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 11:15	GSH	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Client Sample ID: AOC3-S3H-2

Lab Sample ID: 320-81042-51

Date Collected: 10/28/21 12:06

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.03 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 11:19	GSH	TAL SAC

Client Sample ID: AOC3-S5I-2

Lab Sample ID: 320-81042-55

Date Collected: 10/28/21 12:28

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.04 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 11:23	GSH	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-22

Method Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL SAC
3050B	Preparation, Metals	SW846	TAL SAC

Protocol References:

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

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81042-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-81042-2	AOC3-S6D-2	Solid	10/28/21 08:28	10/29/21 14:21
320-81042-4	AOC3-S5D-2	Solid	10/28/21 08:29	10/29/21 14:21
320-81042-6	AOC3-S5E-2	Solid	10/28/21 08:35	10/29/21 14:21
320-81042-10	AOC3-S8E-2	Solid	10/28/21 08:59	10/29/21 14:21
320-81042-11	AOC3-S7E-2	Solid	10/28/21 09:01	10/29/21 14:21
320-81042-14	AOC3-S9E-2	Solid	10/28/21 09:02	10/29/21 14:21
320-81042-17	AOC3-S6F-2	Solid	10/28/21 09:12	10/29/21 14:21
320-81042-19	AOC3-S6G-2	Solid	10/28/21 09:58	10/29/21 14:21
320-81042-21	AOC3-S5F-2	Solid	10/28/21 09:59	10/29/21 14:21
320-81042-23	AOC3-S4F-2	Solid	10/28/21 10:04	10/29/21 14:21
320-81042-25	AOC3-S3F-2	Solid	10/28/21 10:07	10/29/21 14:21
320-81042-27	AOC3/AOC8-S3G-2	Solid	10/28/21 10:19	10/29/21 14:21
320-81042-29	AOC3-S4G-2	Solid	10/28/21 10:24	10/29/21 14:21
320-81042-31	AOC3-S5G-2	Solid	10/28/21 10:32	10/29/21 14:21
320-81042-34	AOC3-S2G-2	Solid	10/28/21 11:03	10/29/21 14:21
320-81042-38	AOC3-S2F-2	Solid	10/28/21 11:10	10/29/21 14:21
320-81042-47	AOC3-S5H-2	Solid	10/28/21 11:59	10/29/21 14:21
320-81042-49	AOC3-S4H-2	Solid	10/28/21 12:02	10/29/21 14:21
320-81042-51	AOC3-S3H-2	Solid	10/28/21 12:06	10/29/21 14:21
320-81042-55	AOC3-S5I-2	Solid	10/28/21 12:28	10/29/21 14:21

Gonzales, Justinn

From: Nathan Diem <ndiem@ninyoandmoore.com>
Sent: Wednesday, November 17, 2021 6:20 AM
To: Gonzales, Justinn
Subject: RE: Preliminary Eurofins TestAmerica report files from 320-81042-1 Cole School PEA

Follow Up Flag: Follow up
Flag Status: Flagged

EXTERNAL EMAIL*

Hi Justinn,

Please analyze the samples below:

Lead and arsenic
AOC3-S5D-2
AOC3/AOC8-S3G-2

Lead
AOC3-S6D-2
AOC3-S5E-2
AOC3-S8E-2
AOC3-S9E-2
AOC3-S7E-2
AOC3-S6F-2
AOC3-S6G-2
AOC3-S5F-2
AOC3-S4F-2
AOC3-S3F-2
AOC3/AOC8-S3G-2
AOC3-S4G-2
AOC3-S5H-2
AOC3-S4H-2
AOC3-S3H-2
AOC3-S5I-2

Arsenic

AOC3-S5G-2
AOC3-S2G-2
AOC3-S2F-2

Nathan Diem

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81042-3

Login Number: 81042
List Number: 1
Creator: Garcia, Hilario A

List Source: Eurofins TestAmerica, Sacramento

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

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81042-3

Login Number: 81042
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	4.7 & 1.6
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-81044-1
Client Project/Site: Cole School PEA
Revision: 1

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Mr. Nathan Diem

Authorized for release by:
12/15/2021 11:36:31 AM

Justinn Gonzales, Project Manager I
(925)484-1919
Justinn.Gonzales@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
P	The %RPD between the primary and confirmation column/detector is >40%. The higher value has been reported
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job ID: 320-81044-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-81044-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 11/26/2021. The report (revision 1) is being revised due to: Report samples to MDL per client request.

Receipt
The samples were received on 10/29/2021 2:21 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 0.8º C, 1.0º C and 1.8º C.

GC Semi VOA
Method 8082: Surrogate recovery for the following samples were outside control limits: AOC3-S6I-0.5-DUP (320-81044-6), AOC3-S8F-0.5 (320-81044-8), AOC3-S7I-0.5 (320-81044-29), (320-81044-A-29-D MS) and (320-81044-A-29-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8082: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 320-541557 and analytical batch 320-543860 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8082: The following sample was diluted due to the nature of the sample matrix: AOC3-S2I-0.5 (320-81044-3). Elevated reporting limits (RLs) are provided.

Method 8081A: Surrogate recovery for the following samples were outside control limits: AOC3-S1I-2 (320-81044-2), AOC3-S2I-2 (320-81044-4), AOC3-S6I-2 (320-81044-7), AOC3-S8F-2 (320-81044-9), AOC3-S9G-2 (320-81044-11), AOC3-S7G-2 (320-81044-17), AOC3/AOC8-S6H-2 (320-81044-19), AOC3-S7H-2 (320-81044-21), AOC3-S8H-2 (320-81044-23), AOC3/AOC8-S9I-2 (320-81044-26), AOC3-S8H-2 (320-81044-28), AOC3-S7I-2 (320-81044-30) and (320-81044-A-17-B MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: AOC3-S7F-2 (320-81044-13) and AOC3-S8G-2 (320-81044-15). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: AOC3-S1I-0.5 (320-81044-1), AOC3-S2I-0.5 (320-81044-3), AOC3-S6I-0.5 (320-81044-5), AOC3-S6I-0.5-DUP (320-81044-6), AOC3-S8F-0.5 (320-81044-8), AOC3-S7F-0.5 (320-81044-12), AOC3-S8G-0.5 (320-81044-14), AOC3-S7G-0.5 (320-81044-16), AOC3/AOC8-S6H-0.5 (320-81044-18) and AOC3-S8H-0.5 (320-81044-22). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: AOC3-S9G-0.5 (320-81044-10) and AOC3-S7H-0.5 (320-81044-20). Elevated reporting limits (RLs) are provided.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: AOC3/AOC8-S9I-0.5 (320-81044-24), AOC3/AOC8-S9I-0.5 DUP (320-81044-25), AOC3-S8H-0.5 (320-81044-27) and AOC3-S7I-0.5 (320-81044-29). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8081A: The following samples were diluted due to the nature of the sample matrix: (320-81044-A-27-C MS) and (320-81044-A-27-D MSD). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Job ID: 320-81044-1 (Continued)

Laboratory: Eurofins TestAmerica, Sacramento (Continued)

Method 8081A: The %RPD between the primary and confirmation column exceeded 40% for trans-Chlordane, beta-BHC, Endosulfan I and 4,4'-DDT for the following sample (320-81044-A-27-C MS) and (320-81044-A-27-D MSD) . The primary results have been reported and qualified in accordance with the laboratory's SOP. 320-81044-27[MS] for trans-Chlordane, beta-BHC and Endosulfan I. 320-81044-27[MSD] for Endosulfan I and 4,4'-DDT.

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

Metals

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 320-539936 and analytical batch 320-540856 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Organic Prep

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with method 8081A aqueous in preparation batch 320-540231.

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

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S1I-0.5 — Lab Sample ID: 320-81044-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	7.6	J P	33	3.8	ug/Kg	1		8082	Total/NA
Lead	260		0.99	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	3.7		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S1I-2 — Lab Sample ID: 320-81044-2

No Detections.

Client Sample ID: AOC3-S2I-0.5 — Lab Sample ID: 320-81044-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	65		0.99	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	5.1		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S2I-2 — Lab Sample ID: 320-81044-4

No Detections.

Client Sample ID: AOC3-S6I-0.5 — Lab Sample ID: 320-81044-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.7		1.9	1.3	mg/Kg	1		6010B	Total/NA
Barium	280		0.97	0.12	mg/Kg	1		6010B	Total/NA
Beryllium	0.70		0.19	0.029	mg/Kg	1		6010B	Total/NA
Cadmium	0.14	J	0.19	0.029	mg/Kg	1		6010B	Total/NA
Cobalt	5.6		0.49	0.24	mg/Kg	1		6010B	Total/NA
Chromium	26	B	0.49	0.14	mg/Kg	1		6010B	Total/NA
Copper	20	B	1.5	0.21	mg/Kg	1		6010B	Total/NA
Nickel	22		0.97	0.23	mg/Kg	1		6010B	Total/NA
Lead	250		0.97	0.25	mg/Kg	1		6010B	Total/NA
Antimony	12		1.9	0.91	mg/Kg	1		6010B	Total/NA
Vanadium	25		0.49	0.18	mg/Kg	1		6010B	Total/NA
Zinc	85		1.9	0.18	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S6I-0.5-DUP — Lab Sample ID: 320-81044-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.8		1.9	1.3	mg/Kg	1		6010B	Total/NA
Barium	150		0.97	0.12	mg/Kg	1		6010B	Total/NA
Beryllium	0.58		0.19	0.029	mg/Kg	1		6010B	Total/NA
Cadmium	0.19		0.19	0.029	mg/Kg	1		6010B	Total/NA
Cobalt	5.6		0.49	0.24	mg/Kg	1		6010B	Total/NA
Chromium	22	B	0.49	0.14	mg/Kg	1		6010B	Total/NA
Copper	16	B	1.5	0.21	mg/Kg	1		6010B	Total/NA
Nickel	21		0.97	0.23	mg/Kg	1		6010B	Total/NA
Lead	150		0.97	0.25	mg/Kg	1		6010B	Total/NA
Antimony	12		1.9	0.91	mg/Kg	1		6010B	Total/NA
Vanadium	23		0.49	0.18	mg/Kg	1		6010B	Total/NA
Zinc	87		1.9	0.18	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S6I-2 — Lab Sample ID: 320-81044-7

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S8F-0.5 — Lab Sample ID: 320-81044-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	22		0.98	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	2.3		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S8F-2 — Lab Sample ID: 320-81044-9

No Detections.

Client Sample ID: AOC3-S9G-0.5 — Lab Sample ID: 320-81044-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	28		0.98	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	1.7	J	2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S9G-2 — Lab Sample ID: 320-81044-11

No Detections.

Client Sample ID: AOC3-S7F-0.5 — Lab Sample ID: 320-81044-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	87		0.96	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	8.1		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S7F-2 — Lab Sample ID: 320-81044-13

No Detections.

Client Sample ID: AOC3-S8G-0.5 — Lab Sample ID: 320-81044-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	60		0.96	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	3.9		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S8G-2 — Lab Sample ID: 320-81044-15

No Detections.

Client Sample ID: AOC3-S7G-0.5 — Lab Sample ID: 320-81044-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	150		0.97	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	7.3		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S7G-2 — Lab Sample ID: 320-81044-17

No Detections.

Client Sample ID: AOC3/AOC8-S6H-0.5 — Lab Sample ID: 320-81044-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	83		0.99	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	6.4		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3/AOC8-S6H-2 — Lab Sample ID: 320-81044-19

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S7H-0.5 — Lab Sample ID: 320-81044-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.4		1.9	1.3	mg/Kg	1		6010B	Total/NA
Barium	130		0.97	0.12	mg/Kg	1		6010B	Total/NA
Beryllium	0.54		0.19	0.029	mg/Kg	1		6010B	Total/NA
Cadmium	0.35		0.19	0.029	mg/Kg	1		6010B	Total/NA
Cobalt	5.3		0.49	0.24	mg/Kg	1		6010B	Total/NA
Chromium	26	B	0.49	0.14	mg/Kg	1		6010B	Total/NA
Copper	28	B	1.5	0.21	mg/Kg	1		6010B	Total/NA
Nickel	20		0.97	0.23	mg/Kg	1		6010B	Total/NA
Lead	700		0.97	0.25	mg/Kg	1		6010B	Total/NA
Antimony	13		1.9	0.91	mg/Kg	1		6010B	Total/NA
Vanadium	25		0.49	0.18	mg/Kg	1		6010B	Total/NA
Zinc	150		1.9	0.18	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S7H-2 — Lab Sample ID: 320-81044-21

No Detections.

Client Sample ID: AOC3-S8H-0.5 — Lab Sample ID: 320-81044-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	100		0.98	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	8.0		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S8H-2 — Lab Sample ID: 320-81044-23

No Detections.

Client Sample ID: AOC3/AOC8-S9I-0.5 — Lab Sample ID: 320-81044-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.6		2.0	1.3	mg/Kg	1		6010B	Total/NA
Barium	88		0.99	0.12	mg/Kg	1		6010B	Total/NA
Beryllium	0.43		0.20	0.030	mg/Kg	1		6010B	Total/NA
Cadmium	0.25		0.20	0.030	mg/Kg	1		6010B	Total/NA
Cobalt	5.7		0.50	0.25	mg/Kg	1		6010B	Total/NA
Chromium	23	B	0.50	0.14	mg/Kg	1		6010B	Total/NA
Copper	17	B	1.5	0.22	mg/Kg	1		6010B	Total/NA
Nickel	17		0.99	0.24	mg/Kg	1		6010B	Total/NA
Lead	190		0.99	0.26	mg/Kg	1		6010B	Total/NA
Antimony	8.9		2.0	0.93	mg/Kg	1		6010B	Total/NA
Thallium	0.85	J	2.0	0.83	mg/Kg	1		6010B	Total/NA
Vanadium	25		0.50	0.19	mg/Kg	1		6010B	Total/NA
Zinc	170		2.0	0.19	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3/AOC8-S9I-0.5 DUP — Lab Sample ID: 320-81044-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.4		2.0	1.3	mg/Kg	1		6010B	Total/NA
Barium	150		0.98	0.12	mg/Kg	1		6010B	Total/NA
Beryllium	0.49		0.20	0.029	mg/Kg	1		6010B	Total/NA
Cadmium	0.15	J	0.20	0.029	mg/Kg	1		6010B	Total/NA
Cobalt	4.3		0.49	0.25	mg/Kg	1		6010B	Total/NA
Chromium	28	B	0.49	0.14	mg/Kg	1		6010B	Total/NA
Copper	15	B	1.5	0.22	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: AOC3/AOC8-S9I-0.5 DUP (Continued) — Lab Sample ID: 320-81044-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	16		0.98	0.24	mg/Kg	1		6010B	Total/NA
Lead	250		0.98	0.25	mg/Kg	1		6010B	Total/NA
Antimony	11		2.0	0.92	mg/Kg	1		6010B	Total/NA
Vanadium	22		0.49	0.19	mg/Kg	1		6010B	Total/NA
Zinc	74		2.0	0.19	mg/Kg	1		6010B	Total/NA
Mercury	0.20		0.083	0.014	mg/Kg	1		7471A	Total/NA

Client Sample ID: AOC3/AOC8-S9I-2 — Lab Sample ID: 320-81044-26

No Detections.

Client Sample ID: AOC3-S8H-0.5 — Lab Sample ID: 320-81044-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	14		0.98	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	2.1		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S8H-2 — Lab Sample ID: 320-81044-28

No Detections.

Client Sample ID: AOC3-S7I-0.5 — Lab Sample ID: 320-81044-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	110		0.98	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	4.1		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S7I-2 — Lab Sample ID: 320-81044-30

No Detections.

Client Sample ID: EB10292021 — Lab Sample ID: 320-81044-31

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S1I-0.5

Date Collected: 10/29/21 08:38
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-1

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		17	2.3	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
4,4'-DDE	ND		17	2.1	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
4,4'-DDT	ND		17	2.5	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
Aldrin	ND		17	1.4	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
alpha-BHC	ND		17	1.6	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
cis-Chlordane	ND		17	1.8	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
beta-BHC	ND		17	2.2	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
Chlordane (technical)	ND		200	94	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
delta-BHC	ND		17	3.5	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
Dieldrin	ND		17	2.0	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
Endosulfan I	ND		17	1.8	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
Endosulfan II	ND		17	1.8	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
Endosulfan sulfate	ND		17	3.5	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
Endrin	ND		17	2.0	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
Endrin aldehyde	ND		17	5.7	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
Endrin ketone	ND		17	2.7	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
trans-Chlordane	ND		17	6.0	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
gamma-BHC (Lindane)	ND		17	1.4	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
Heptachlor	ND		17	1.5	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
Heptachlor epoxide	ND		17	1.8	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
Methoxychlor	ND		34	5.6	ug/Kg		11/10/21 10:47	11/22/21 20:54	10
Toxaphene	ND		670	220	ug/Kg		11/10/21 10:47	11/22/21 20:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*46 - 109*	*11/10/21 10:47*	*11/22/21 20:54*	*10*
DCB Decachlorobiphenyl	*74*		*46 - 109*	*11/10/21 10:47*	*11/22/21 20:54*	*10*
Tetrachloro-m-xylene	*124*	*S1+*	*47 - 107*	*11/10/21 10:47*	*11/22/21 20:54*	*10*
Tetrachloro-m-xylene	*103*		*47 - 107*	*11/10/21 10:47*	*11/22/21 20:54*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.6	ug/Kg		11/10/21 10:52	11/18/21 13:45	1
PCB-1221	ND		33	3.6	ug/Kg		11/10/21 10:52	11/18/21 13:45	1
PCB-1232	ND		33	4.8	ug/Kg		11/10/21 10:52	11/18/21 13:45	1
PCB-1242	ND		33	5.9	ug/Kg		11/10/21 10:52	11/18/21 13:45	1
PCB-1248	ND		33	2.4	ug/Kg		11/10/21 10:52	11/18/21 13:45	1
PCB-1254	**7.6**	**J P**	33	3.8	ug/Kg		11/10/21 10:52	11/18/21 13:45	1
PCB-1260	ND		33	2.7	ug/Kg		11/10/21 10:52	11/18/21 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*52 - 138*	*11/10/21 10:52*	*11/18/21 13:45*	*1*
Tetrachloro-m-xylene	*75*		*56 - 114*	*11/10/21 10:52*	*11/18/21 13:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**260**		0.99	0.26	mg/Kg		11/04/21 13:39	11/05/21 11:03	1
Arsenic	**3.7**		2.0	1.3	mg/Kg		11/04/21 13:39	11/05/21 11:03	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S1I-2
Date Collected: 10/29/21 08:40
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-2
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
Aldrin	ND		1.6	0.13	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
Chlordane (technical)	ND		19	9.0	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
delta-BHC	ND		1.6	0.34	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
Endosulfan sulfate	ND		1.6	0.34	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
Endrin	ND		1.6	0.19	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
Endrin aldehyde	ND		1.6	0.55	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
trans-Chlordane	ND		1.6	0.57	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
Methoxychlor	ND		3.3	0.54	ug/Kg		11/09/21 14:45	11/21/21 22:23	1
Toxaphene	ND		64	21	ug/Kg		11/09/21 14:45	11/21/21 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*47*		*46 - 109*	*11/09/21 14:45*	*11/21/21 22:23*	*1*
DCB Decachlorobiphenyl	*41*	*S1-*	*46 - 109*	*11/09/21 14:45*	*11/21/21 22:23*	*1*
Tetrachloro-m-xylene	*73*		*47 - 107*	*11/09/21 14:45*	*11/21/21 22:23*	*1*
Tetrachloro-m-xylene	*70*		*47 - 107*	*11/09/21 14:45*	*11/21/21 22:23*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S2I-0.5

Date Collected: 10/29/21 08:41
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-3

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		82	11	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
4,4'-DDE	ND		82	10	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
4,4'-DDT	ND		82	12	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
Aldrin	ND		82	6.8	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
alpha-BHC	ND		82	7.7	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
cis-Chlordane	ND		82	8.7	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
beta-BHC	ND		82	11	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
Chlordane (technical)	ND		970	450	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
delta-BHC	ND		82	17	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
Dieldrin	ND		82	9.7	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
Endosulfan I	ND		82	8.7	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
Endosulfan II	ND		82	8.7	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
Endosulfan sulfate	ND		82	17	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
Endrin	ND		82	9.7	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
Endrin aldehyde	ND		82	28	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
Endrin ketone	ND		82	13	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
trans-Chlordane	ND		82	29	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
gamma-BHC (Lindane)	ND		82	6.8	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
Heptachlor	ND		82	7.2	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
Heptachlor epoxide	ND		82	8.7	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
Methoxychlor	ND		160	27	ug/Kg		11/10/21 10:47	11/22/21 21:13	50
Toxaphene	ND		3200	1100	ug/Kg		11/10/21 10:47	11/22/21 21:13	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/10/21 10:47*	*11/22/21 21:13*	*50*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/10/21 10:47*	*11/22/21 21:13*	*50*
Tetrachloro-m-xylene	*144*	*S1+*	*47 - 107*	*11/10/21 10:47*	*11/22/21 21:13*	*50*
Tetrachloro-m-xylene	*82*		*47 - 107*	*11/10/21 10:47*	*11/22/21 21:13*	*50*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		160	12	ug/Kg		11/10/21 10:52	11/18/21 14:05	5
PCB-1221	ND		160	17	ug/Kg		11/10/21 10:52	11/18/21 14:05	5
PCB-1232	ND		160	23	ug/Kg		11/10/21 10:52	11/18/21 14:05	5
PCB-1242	ND		160	29	ug/Kg		11/10/21 10:52	11/18/21 14:05	5
PCB-1248	ND		160	12	ug/Kg		11/10/21 10:52	11/18/21 14:05	5
PCB-1254	ND		160	18	ug/Kg		11/10/21 10:52	11/18/21 14:05	5
PCB-1260	ND		160	13	ug/Kg		11/10/21 10:52	11/18/21 14:05	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*52 - 138*	*11/10/21 10:52*	*11/18/21 14:05*	*5*
Tetrachloro-m-xylene	*77*		*56 - 114*	*11/10/21 10:52*	*11/18/21 14:05*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**65**		0.99	0.26	mg/Kg		11/04/21 13:39	11/05/21 11:21	1
Arsenic	**5.1**		2.0	1.3	mg/Kg		11/04/21 13:39	11/05/21 11:21	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S2I-2
Date Collected: 10/29/21 08:42
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-4
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
Aldrin	ND		1.6	0.14	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
alpha-BHC	ND		1.6	0.16	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
Chlordane (technical)	ND		19	9.1	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
delta-BHC	ND		1.6	0.34	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
Endosulfan sulfate	ND		1.6	0.34	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
Endrin	ND		1.6	0.19	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
Endrin aldehyde	ND		1.6	0.55	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
trans-Chlordane	ND		1.6	0.58	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
gamma-BHC (Lindane)	ND		1.6	0.14	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
Heptachlor	ND		1.6	0.15	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
Methoxychlor	ND		3.3	0.54	ug/Kg		11/09/21 14:45	11/21/21 22:42	1
Toxaphene	ND		65	22	ug/Kg		11/09/21 14:45	11/21/21 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*46 - 109*	*11/09/21 14:45*	*11/21/21 22:42*	*1*
DCB Decachlorobiphenyl	*33*	*S1-*	*46 - 109*	*11/09/21 14:45*	*11/21/21 22:42*	*1*
Tetrachloro-m-xylene	*64*		*47 - 107*	*11/09/21 14:45*	*11/21/21 22:42*	*1*
Tetrachloro-m-xylene	*59*		*47 - 107*	*11/09/21 14:45*	*11/21/21 22:42*	*1*

Client Sample ID: AOC3-S6I-0.5
Date Collected: 10/29/21 09:02
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-5
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		34	4.6	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
4,4'-DDE	ND		34	4.2	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
4,4'-DDT	ND		34	5.0	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
Aldrin	ND		34	2.8	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
alpha-BHC	ND		34	3.2	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
cis-Chlordane	ND		34	3.6	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
beta-BHC	ND		34	4.4	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
Chlordane (technical)	ND		400	190	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
delta-BHC	ND		34	7.0	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
Dieldrin	ND		34	4.0	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
Endosulfan I	ND		34	3.6	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
Endosulfan II	ND		34	3.6	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
Endosulfan sulfate	ND		34	7.0	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
Endrin	ND		34	4.0	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
Endrin aldehyde	ND		34	11	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
Endrin ketone	ND		34	5.4	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
trans-Chlordane	ND		34	12	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
gamma-BHC (Lindane)	ND		34	2.8	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
Heptachlor	ND		34	3.0	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
Heptachlor epoxide	ND		34	3.6	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
Methoxychlor	ND		68	11	ug/Kg		11/10/21 10:47	11/22/21 21:32	20
Toxaphene	ND		1300	450	ug/Kg		11/10/21 10:47	11/22/21 21:32	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*46 - 109*	*11/10/21 10:47*	*11/22/21 21:32*	*20*
DCB Decachlorobiphenyl	*56*		*46 - 109*	*11/10/21 10:47*	*11/22/21 21:32*	*20*
Tetrachloro-m-xylene	*108*	*S1+*	*47 - 107*	*11/10/21 10:47*	*11/22/21 21:32*	*20*
Tetrachloro-m-xylene	*71*		*47 - 107*	*11/10/21 10:47*	*11/22/21 21:32*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/10/21 10:52	11/18/21 14:25	1
PCB-1221	ND		33	3.6	ug/Kg		11/10/21 10:52	11/18/21 14:25	1
PCB-1232	ND		33	4.8	ug/Kg		11/10/21 10:52	11/18/21 14:25	1
PCB-1242	ND		33	5.9	ug/Kg		11/10/21 10:52	11/18/21 14:25	1
PCB-1248	ND		33	2.4	ug/Kg		11/10/21 10:52	11/18/21 14:25	1
PCB-1254	ND		33	3.8	ug/Kg		11/10/21 10:52	11/18/21 14:25	1
PCB-1260	ND		33	2.7	ug/Kg		11/10/21 10:52	11/18/21 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*52 - 138*	*11/10/21 10:52*	*11/18/21 14:25*	*1*
Tetrachloro-m-xylene	*56*		*56 - 114*	*11/10/21 10:52*	*11/18/21 14:25*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.49	0.087	mg/Kg		11/04/21 13:39	11/05/21 11:25	1
Arsenic	**3.7**		1.9	1.3	mg/Kg		11/04/21 13:39	11/05/21 11:25	1
Barium	**280**		0.97	0.12	mg/Kg		11/04/21 13:39	11/05/21 11:25	1
Beryllium	**0.70**		0.19	0.029	mg/Kg		11/04/21 13:39	11/05/21 11:25	1
Cadmium	**0.14**	**J**	0.19	0.029	mg/Kg		11/04/21 13:39	11/05/21 11:25	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S6I-0.5
Date Collected: 10/29/21 09:02
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	5.6		0.49	0.24	mg/Kg		11/04/21 13:39	11/05/21 11:25	1
Chromium	26	B	0.49	0.14	mg/Kg		11/04/21 13:39	11/05/21 11:25	1
Copper	20	B	1.5	0.21	mg/Kg		11/04/21 13:39	11/05/21 11:25	1
Molybdenum	ND		1.9	0.73	mg/Kg		11/04/21 13:39	11/05/21 11:25	1
Nickel	22		0.97	0.23	mg/Kg		11/04/21 13:39	11/05/21 11:25	1
Lead	250		0.97	0.25	mg/Kg		11/04/21 13:39	11/05/21 11:25	1
Selenium	ND		1.9	1.4	mg/Kg		11/04/21 13:39	11/05/21 11:25	1
Antimony	12		1.9	0.91	mg/Kg		11/04/21 13:39	11/05/21 11:25	1
Thallium	ND		1.9	0.82	mg/Kg		11/04/21 13:39	11/05/21 11:25	1
Vanadium	25		0.49	0.18	mg/Kg		11/04/21 13:39	11/05/21 11:25	1
Zinc	85		1.9	0.18	mg/Kg		11/04/21 13:39	11/05/21 11:25	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.081	0.013	mg/Kg		11/12/21 05:53	11/12/21 11:46	1

Client Sample ID: AOC3-S6I-0.5-DUP

Date Collected: 10/29/21 09:02
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-6

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		34	4.5	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
4,4'-DDE	ND		34	4.2	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
4,4'-DDT	ND		34	4.9	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
Aldrin	ND		34	2.8	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
alpha-BHC	ND		34	3.2	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
cis-Chlordane	ND		34	3.6	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
beta-BHC	ND		34	4.4	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
Chlordane (technical)	ND		400	190	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
delta-BHC	ND		34	6.9	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
Dieldrin	ND		34	4.0	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
Endosulfan I	ND		34	3.6	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
Endosulfan II	ND		34	3.6	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
Endosulfan sulfate	ND		34	6.9	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
Endrin	ND		34	4.0	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
Endrin aldehyde	ND		34	11	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
Endrin ketone	ND		34	5.3	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
trans-Chlordane	ND		34	12	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
gamma-BHC (Lindane)	ND		34	2.8	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
Heptachlor	ND		34	3.0	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
Heptachlor epoxide	ND		34	3.6	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
Methoxychlor	ND		67	11	ug/Kg		11/10/21 10:47	11/22/21 21:51	20
Toxaphene	ND		1300	440	ug/Kg		11/10/21 10:47	11/22/21 21:51	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*46 - 109*	*11/10/21 10:47*	*11/22/21 21:51*	*20*
DCB Decachlorobiphenyl	*78*		*46 - 109*	*11/10/21 10:47*	*11/22/21 21:51*	*20*
Tetrachloro-m-xylene	*109*	*S1+*	*47 - 107*	*11/10/21 10:47*	*11/22/21 21:51*	*20*
Tetrachloro-m-xylene	*66*		*47 - 107*	*11/10/21 10:47*	*11/22/21 21:51*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/10/21 10:52	11/18/21 14:45	1
PCB-1221	ND		33	3.6	ug/Kg		11/10/21 10:52	11/18/21 14:45	1
PCB-1232	ND		33	4.7	ug/Kg		11/10/21 10:52	11/18/21 14:45	1
PCB-1242	ND		33	5.8	ug/Kg		11/10/21 10:52	11/18/21 14:45	1
PCB-1248	ND		33	2.4	ug/Kg		11/10/21 10:52	11/18/21 14:45	1
PCB-1254	ND		33	3.8	ug/Kg		11/10/21 10:52	11/18/21 14:45	1
PCB-1260	ND		33	2.7	ug/Kg		11/10/21 10:52	11/18/21 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*47*	*S1-*	*52 - 138*	*11/10/21 10:52*	*11/18/21 14:45*	*1*
Tetrachloro-m-xylene	*52*	*S1-*	*56 - 114*	*11/10/21 10:52*	*11/18/21 14:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.49	0.087	mg/Kg		11/04/21 13:39	11/05/21 11:29	1
Arsenic	**3.8**		1.9	1.3	mg/Kg		11/04/21 13:39	11/05/21 11:29	1
Barium	**150**		0.97	0.12	mg/Kg		11/04/21 13:39	11/05/21 11:29	1
Beryllium	**0.58**		0.19	0.029	mg/Kg		11/04/21 13:39	11/05/21 11:29	1
Cadmium	**0.19**		0.19	0.029	mg/Kg		11/04/21 13:39	11/05/21 11:29	1

Client Sample ID: AOC3-S6I-0.5-DUP

Date Collected: 10/29/21 09:02
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	5.6		0.49	0.24	mg/Kg		11/04/21 13:39	11/05/21 11:29	1
Chromium	22	B	0.49	0.14	mg/Kg		11/04/21 13:39	11/05/21 11:29	1
Copper	16	B	1.5	0.21	mg/Kg		11/04/21 13:39	11/05/21 11:29	1
Molybdenum	ND		1.9	0.73	mg/Kg		11/04/21 13:39	11/05/21 11:29	1
Nickel	21		0.97	0.23	mg/Kg		11/04/21 13:39	11/05/21 11:29	1
Lead	150		0.97	0.25	mg/Kg		11/04/21 13:39	11/05/21 11:29	1
Selenium	ND		1.9	1.4	mg/Kg		11/04/21 13:39	11/05/21 11:29	1
Antimony	12		1.9	0.91	mg/Kg		11/04/21 13:39	11/05/21 11:29	1
Thallium	ND		1.9	0.82	mg/Kg		11/04/21 13:39	11/05/21 11:29	1
Vanadium	23		0.49	0.18	mg/Kg		11/04/21 13:39	11/05/21 11:29	1
Zinc	87		1.9	0.18	mg/Kg		11/04/21 13:39	11/05/21 11:29	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.083	0.014	mg/Kg		11/12/21 05:53	11/12/21 11:48	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S6I-2
Date Collected: 10/29/21 09:05
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-7
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
Aldrin	ND		1.6	0.13	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
Chlordane (technical)	ND		19	8.9	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
delta-BHC	ND		1.6	0.33	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
Endosulfan sulfate	ND		1.6	0.33	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
Endrin	ND		1.6	0.19	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
Endrin aldehyde	ND		1.6	0.54	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
trans-Chlordane	ND		1.6	0.57	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
Methoxychlor	ND		3.2	0.53	ug/Kg		11/09/21 14:45	11/21/21 23:01	1
Toxaphene	ND		64	21	ug/Kg		11/09/21 14:45	11/21/21 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*40*	*S1-*	*46 - 109*	*11/09/21 14:45*	*11/21/21 23:01*	*1*
DCB Decachlorobiphenyl	*36*	*S1-*	*46 - 109*	*11/09/21 14:45*	*11/21/21 23:01*	*1*
Tetrachloro-m-xylene	*57*		*47 - 107*	*11/09/21 14:45*	*11/21/21 23:01*	*1*
Tetrachloro-m-xylene	*55*		*47 - 107*	*11/09/21 14:45*	*11/21/21 23:01*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S8F-0.5

Date Collected: 10/29/21 09:32
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-8

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		17	2.3	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
4,4'-DDE	ND		17	2.1	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
4,4'-DDT	ND		17	2.5	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
Aldrin	ND		17	1.4	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
alpha-BHC	ND		17	1.6	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
cis-Chlordane	ND		17	1.8	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
beta-BHC	ND		17	2.2	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
Chlordane (technical)	ND		200	93	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
delta-BHC	ND		17	3.4	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
Dieldrin	ND		17	2.0	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
Endosulfan I	ND		17	1.8	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
Endosulfan II	ND		17	1.8	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
Endosulfan sulfate	ND		17	3.4	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
Endrin	ND		17	2.0	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
Endrin aldehyde	ND		17	5.6	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
Endrin ketone	ND		17	2.7	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
trans-Chlordane	ND		17	5.9	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
gamma-BHC (Lindane)	ND		17	1.4	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
Heptachlor	ND		17	1.5	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
Heptachlor epoxide	ND		17	1.8	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
Methoxychlor	ND		33	5.5	ug/Kg		11/10/21 10:47	11/22/21 22:10	10
Toxaphene	ND		660	220	ug/Kg		11/10/21 10:47	11/22/21 22:10	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*46 - 109*	*11/10/21 10:47*	*11/22/21 22:10*	*10*
DCB Decachlorobiphenyl	*54*		*46 - 109*	*11/10/21 10:47*	*11/22/21 22:10*	*10*
Tetrachloro-m-xylene	*106*		*47 - 107*	*11/10/21 10:47*	*11/22/21 22:10*	*10*
Tetrachloro-m-xylene	*92*		*47 - 107*	*11/10/21 10:47*	*11/22/21 22:10*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/10/21 10:52	11/18/21 15:05	1
PCB-1221	ND		33	3.6	ug/Kg		11/10/21 10:52	11/18/21 15:05	1
PCB-1232	ND		33	4.7	ug/Kg		11/10/21 10:52	11/18/21 15:05	1
PCB-1242	ND		33	5.8	ug/Kg		11/10/21 10:52	11/18/21 15:05	1
PCB-1248	ND		33	2.4	ug/Kg		11/10/21 10:52	11/18/21 15:05	1
PCB-1254	ND		33	3.8	ug/Kg		11/10/21 10:52	11/18/21 15:05	1
PCB-1260	ND		33	2.7	ug/Kg		11/10/21 10:52	11/18/21 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*	*S1-*	*52 - 138*	*11/10/21 10:52*	*11/18/21 15:05*	*1*
Tetrachloro-m-xylene	*59*		*56 - 114*	*11/10/21 10:52*	*11/18/21 15:05*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**22**		0.98	0.25	mg/Kg		11/04/21 13:39	11/05/21 11:40	1
Arsenic	**2.3**		2.0	1.3	mg/Kg		11/04/21 13:39	11/05/21 11:40	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S8F-2
Date Collected: 10/29/21 09:33
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-9
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
Aldrin	ND		1.6	0.13	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
Chlordane (technical)	ND		19	9.0	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
delta-BHC	ND		1.6	0.34	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
Endosulfan sulfate	ND		1.6	0.34	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
Endrin	ND		1.6	0.19	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
Endrin aldehyde	ND		1.6	0.55	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
trans-Chlordane	ND		1.6	0.57	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
Methoxychlor	ND		3.3	0.54	ug/Kg		11/09/21 14:45	11/21/21 23:20	1
Toxaphene	ND		64	21	ug/Kg		11/09/21 14:45	11/21/21 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*44*	*S1-*	*46 - 109*	*11/09/21 14:45*	*11/21/21 23:20*	*1*
DCB Decachlorobiphenyl	*47*		*46 - 109*	*11/09/21 14:45*	*11/21/21 23:20*	*1*
Tetrachloro-m-xylene	*68*		*47 - 107*	*11/09/21 14:45*	*11/21/21 23:20*	*1*
Tetrachloro-m-xylene	*69*		*47 - 107*	*11/09/21 14:45*	*11/21/21 23:20*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S9G-0.5

Date Collected: 10/29/21 09:36
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-10

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.3	1.1	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
4,4'-DDE	ND		8.3	1.0	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
4,4'-DDT	ND		8.3	1.2	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
Aldrin	ND		8.3	0.68	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
alpha-BHC	ND		8.3	0.78	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
cis-Chlordane	ND		8.3	0.87	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
beta-BHC	ND		8.3	1.1	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
Chlordane (technical)	ND		97	46	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
delta-BHC	ND		8.3	1.7	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
Dieldrin	ND		8.3	0.97	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
Endosulfan I	ND		8.3	0.87	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
Endosulfan II	ND		8.3	0.87	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
Endosulfan sulfate	ND		8.3	1.7	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
Endrin	ND		8.3	0.97	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
Endrin aldehyde	ND		8.3	2.8	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
Endrin ketone	ND		8.3	1.3	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
trans-Chlordane	ND		8.3	2.9	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
gamma-BHC (Lindane)	ND		8.3	0.68	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
Heptachlor	ND		8.3	0.73	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
Heptachlor epoxide	ND		8.3	0.87	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
Methoxychlor	ND		17	2.7	ug/Kg		11/10/21 10:47	11/22/21 22:29	5
Toxaphene	ND		330	110	ug/Kg		11/10/21 10:47	11/22/21 22:29	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*46 - 109*	*11/10/21 10:47*	*11/22/21 22:29*	*5*
DCB Decachlorobiphenyl	*52*		*46 - 109*	*11/10/21 10:47*	*11/22/21 22:29*	*5*
Tetrachloro-m-xylene	*82*		*47 - 107*	*11/10/21 10:47*	*11/22/21 22:29*	*5*
Tetrachloro-m-xylene	*71*		*47 - 107*	*11/10/21 10:47*	*11/22/21 22:29*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/10/21 10:52	11/18/21 15:25	1
PCB-1221	ND		32	3.5	ug/Kg		11/10/21 10:52	11/18/21 15:25	1
PCB-1232	ND		32	4.7	ug/Kg		11/10/21 10:52	11/18/21 15:25	1
PCB-1242	ND		32	5.7	ug/Kg		11/10/21 10:52	11/18/21 15:25	1
PCB-1248	ND		32	2.4	ug/Kg		11/10/21 10:52	11/18/21 15:25	1
PCB-1254	ND		32	3.7	ug/Kg		11/10/21 10:52	11/18/21 15:25	1
PCB-1260	ND		32	2.6	ug/Kg		11/10/21 10:52	11/18/21 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*52 - 138*	*11/10/21 10:52*	*11/18/21 15:25*	*1*
Tetrachloro-m-xylene	*61*		*56 - 114*	*11/10/21 10:52*	*11/18/21 15:25*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**28**		0.98	0.25	mg/Kg		11/04/21 13:39	11/05/21 11:44	1
Arsenic	**1.7**	**J**	2.0	1.3	mg/Kg		11/04/21 13:39	11/05/21 11:44	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S9G-2
Date Collected: 10/29/21 09:37
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-11
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
Aldrin	ND		1.6	0.14	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
alpha-BHC	ND		1.6	0.16	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
Chlordane (technical)	ND		19	9.1	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
delta-BHC	ND		1.6	0.34	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
Endosulfan sulfate	ND		1.6	0.34	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
Endrin	ND		1.6	0.19	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
Endrin aldehyde	ND		1.6	0.55	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
trans-Chlordane	ND		1.6	0.58	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
gamma-BHC (Lindane)	ND		1.6	0.14	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
Heptachlor	ND		1.6	0.15	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
Methoxychlor	ND		3.3	0.54	ug/Kg		11/09/21 14:45	11/21/21 23:39	1
Toxaphene	ND		65	22	ug/Kg		11/09/21 14:45	11/21/21 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*		*46 - 109*	*11/09/21 14:45*	*11/21/21 23:39*	*1*
DCB Decachlorobiphenyl	*44*	*S1-*	*46 - 109*	*11/09/21 14:45*	*11/21/21 23:39*	*1*
Tetrachloro-m-xylene	*62*		*47 - 107*	*11/09/21 14:45*	*11/21/21 23:39*	*1*
Tetrachloro-m-xylene	*63*		*47 - 107*	*11/09/21 14:45*	*11/21/21 23:39*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S7F-0.5

Date Collected: 10/29/21 10:17
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-12

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	4.5	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
4,4'-DDE	ND		33	4.1	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
4,4'-DDT	ND		33	4.9	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
Aldrin	ND		33	2.7	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
alpha-BHC	ND		33	3.1	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
cis-Chlordane	ND		33	3.5	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
beta-BHC	ND		33	4.3	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
Chlordane (technical)	ND		390	180	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
delta-BHC	ND		33	6.8	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
Dieldrin	ND		33	3.9	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
Endosulfan I	ND		33	3.5	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
Endosulfan II	ND		33	3.5	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
Endosulfan sulfate	ND		33	6.8	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
Endrin	ND		33	3.9	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
Endrin aldehyde	ND		33	11	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
Endrin ketone	ND		33	5.3	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
trans-Chlordane	ND		33	12	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
gamma-BHC (Lindane)	ND		33	2.7	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
Heptachlor	ND		33	2.9	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
Heptachlor epoxide	ND		33	3.5	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
Methoxychlor	ND		66	11	ug/Kg		11/10/21 10:47	11/22/21 22:48	20
Toxaphene	ND		1300	440	ug/Kg		11/10/21 10:47	11/22/21 22:48	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*46 - 109*	*11/10/21 10:47*	*11/22/21 22:48*	*20*
DCB Decachlorobiphenyl	*47*		*46 - 109*	*11/10/21 10:47*	*11/22/21 22:48*	*20*
Tetrachloro-m-xylene	*103*		*47 - 107*	*11/10/21 10:47*	*11/22/21 22:48*	*20*
Tetrachloro-m-xylene	*71*		*47 - 107*	*11/10/21 10:47*	*11/22/21 22:48*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/10/21 10:52	11/18/21 15:45	1
PCB-1221	ND		32	3.5	ug/Kg		11/10/21 10:52	11/18/21 15:45	1
PCB-1232	ND		32	4.7	ug/Kg		11/10/21 10:52	11/18/21 15:45	1
PCB-1242	ND		32	5.7	ug/Kg		11/10/21 10:52	11/18/21 15:45	1
PCB-1248	ND		32	2.4	ug/Kg		11/10/21 10:52	11/18/21 15:45	1
PCB-1254	ND		32	3.7	ug/Kg		11/10/21 10:52	11/18/21 15:45	1
PCB-1260	ND		32	2.6	ug/Kg		11/10/21 10:52	11/18/21 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*52 - 138*	*11/10/21 10:52*	*11/18/21 15:45*	*1*
Tetrachloro-m-xylene	*66*		*56 - 114*	*11/10/21 10:52*	*11/18/21 15:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**87**		0.96	0.25	mg/Kg		11/04/21 13:39	11/05/21 11:47	1
Arsenic	**8.1**		1.9	1.3	mg/Kg		11/04/21 13:39	11/05/21 11:47	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S7F-2
Date Collected: 10/29/21 10:19
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-13
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
Aldrin	ND		16	1.3	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
alpha-BHC	ND		16	1.5	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
beta-BHC	ND		16	2.1	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
Chlordane (technical)	ND		190	89	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
delta-BHC	ND		16	3.3	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
Dieldrin	ND		16	1.9	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
Endosulfan I	ND		16	1.7	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
Endosulfan II	ND		16	1.7	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
Endosulfan sulfate	ND		16	3.3	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
Endrin	ND		16	1.9	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
Endrin aldehyde	ND		16	5.4	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
Endrin ketone	ND		16	2.6	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
trans-Chlordane	ND		16	5.7	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
gamma-BHC (Lindane)	ND		16	1.3	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
Heptachlor	ND		16	1.4	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
Methoxychlor	ND		32	5.3	ug/Kg		11/09/21 14:45	11/21/21 23:58	10
Toxaphene	ND		630	210	ug/Kg		11/09/21 14:45	11/21/21 23:58	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*46 - 109*	*11/09/21 14:45*	*11/21/21 23:58*	*10*
DCB Decachlorobiphenyl	*63*		*46 - 109*	*11/09/21 14:45*	*11/21/21 23:58*	*10*
Tetrachloro-m-xylene	*101*		*47 - 107*	*11/09/21 14:45*	*11/21/21 23:58*	*10*
Tetrachloro-m-xylene	*77*		*47 - 107*	*11/09/21 14:45*	*11/21/21 23:58*	*10*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S8G-0.5

Date Collected: 10/29/21 10:21
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-14

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	4.5	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
4,4'-DDE	ND		33	4.1	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
4,4'-DDT	ND		33	4.8	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
Aldrin	ND		33	2.7	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
alpha-BHC	ND		33	3.1	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
cis-Chlordane	ND		33	3.5	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
beta-BHC	ND		33	4.3	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
Chlordane (technical)	ND		390	180	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
delta-BHC	ND		33	6.8	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
Dieldrin	ND		33	3.9	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
Endosulfan I	ND		33	3.5	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
Endosulfan II	ND		33	3.5	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
Endosulfan sulfate	ND		33	6.8	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
Endrin	ND		33	3.9	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
Endrin aldehyde	ND		33	11	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
Endrin ketone	ND		33	5.2	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
trans-Chlordane	ND		33	12	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
gamma-BHC (Lindane)	ND		33	2.7	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
Heptachlor	ND		33	2.9	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
Heptachlor epoxide	ND		33	3.5	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
Methoxychlor	ND		66	11	ug/Kg		11/10/21 10:47	11/22/21 23:06	20
Toxaphene	ND		1300	430	ug/Kg		11/10/21 10:47	11/22/21 23:06	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*46 - 109*	*11/10/21 10:47*	*11/22/21 23:06*	*20*
DCB Decachlorobiphenyl	*59*		*46 - 109*	*11/10/21 10:47*	*11/22/21 23:06*	*20*
Tetrachloro-m-xylene	*116*	*S1+*	*47 - 107*	*11/10/21 10:47*	*11/22/21 23:06*	*20*
Tetrachloro-m-xylene	*74*		*47 - 107*	*11/10/21 10:47*	*11/22/21 23:06*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/10/21 10:52	11/18/21 16:05	1
PCB-1221	ND		32	3.5	ug/Kg		11/10/21 10:52	11/18/21 16:05	1
PCB-1232	ND		32	4.6	ug/Kg		11/10/21 10:52	11/18/21 16:05	1
PCB-1242	ND		32	5.7	ug/Kg		11/10/21 10:52	11/18/21 16:05	1
PCB-1248	ND		32	2.4	ug/Kg		11/10/21 10:52	11/18/21 16:05	1
PCB-1254	ND		32	3.7	ug/Kg		11/10/21 10:52	11/18/21 16:05	1
PCB-1260	ND		32	2.6	ug/Kg		11/10/21 10:52	11/18/21 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*52 - 138*	*11/10/21 10:52*	*11/18/21 16:05*	*1*
Tetrachloro-m-xylene	*69*		*56 - 114*	*11/10/21 10:52*	*11/18/21 16:05*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**60**		0.96	0.25	mg/Kg		11/04/21 13:39	11/05/21 11:51	1
Arsenic	**3.9**		1.9	1.3	mg/Kg		11/04/21 13:39	11/05/21 11:51	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S8G-2
Date Collected: 10/29/21 10:22
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-15
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		17	2.3	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
4,4'-DDE	ND		17	2.1	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
4,4'-DDT	ND		17	2.5	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
Aldrin	ND		17	1.4	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
alpha-BHC	ND		17	1.6	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
cis-Chlordane	ND		17	1.8	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
beta-BHC	ND		17	2.2	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
Chlordane (technical)	ND		200	93	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
delta-BHC	ND		17	3.4	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
Dieldrin	ND		17	2.0	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
Endosulfan I	ND		17	1.8	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
Endosulfan II	ND		17	1.8	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
Endosulfan sulfate	ND		17	3.4	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
Endrin	ND		17	2.0	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
Endrin aldehyde	ND		17	5.6	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
Endrin ketone	ND		17	2.7	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
trans-Chlordane	ND		17	5.9	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
gamma-BHC (Lindane)	ND		17	1.4	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
Heptachlor	ND		17	1.5	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
Heptachlor epoxide	ND		17	1.8	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
Methoxychlor	ND		34	5.5	ug/Kg		11/09/21 14:45	11/22/21 00:17	10
Toxaphene	ND		660	220	ug/Kg		11/09/21 14:45	11/22/21 00:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*46 - 109*	*11/09/21 14:45*	*11/22/21 00:17*	*10*
DCB Decachlorobiphenyl	*55*		*46 - 109*	*11/09/21 14:45*	*11/22/21 00:17*	*10*
Tetrachloro-m-xylene	*106*		*47 - 107*	*11/09/21 14:45*	*11/22/21 00:17*	*10*
Tetrachloro-m-xylene	*89*		*47 - 107*	*11/09/21 14:45*	*11/22/21 00:17*	*10*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S7G-0.5

Date Collected: 10/29/21 10:31
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-16

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	4.4	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
4,4'-DDE	ND		33	4.1	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
4,4'-DDT	ND		33	4.8	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
Aldrin	ND		33	2.7	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
alpha-BHC	ND		33	3.1	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
cis-Chlordane	ND		33	3.5	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
beta-BHC	ND		33	4.2	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
Chlordane (technical)	ND		390	180	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
delta-BHC	ND		33	6.8	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
Dieldrin	ND		33	3.9	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
Endosulfan I	ND		33	3.5	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
Endosulfan II	ND		33	3.5	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
Endosulfan sulfate	ND		33	6.8	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
Endrin	ND		33	3.9	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
Endrin aldehyde	ND		33	11	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
Endrin ketone	ND		33	5.2	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
trans-Chlordane	ND		33	12	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
gamma-BHC (Lindane)	ND		33	2.7	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
Heptachlor	ND		33	2.9	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
Heptachlor epoxide	ND		33	3.5	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
Methoxychlor	ND		66	11	ug/Kg		11/10/21 10:47	11/22/21 23:25	20
Toxaphene	ND		1300	430	ug/Kg		11/10/21 10:47	11/22/21 23:25	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*46 - 109*	*11/10/21 10:47*	*11/22/21 23:25*	*20*
DCB Decachlorobiphenyl	*61*		*46 - 109*	*11/10/21 10:47*	*11/22/21 23:25*	*20*
Tetrachloro-m-xylene	*109*	*S1+*	*47 - 107*	*11/10/21 10:47*	*11/22/21 23:25*	*20*
Tetrachloro-m-xylene	*69*		*47 - 107*	*11/10/21 10:47*	*11/22/21 23:25*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg		11/10/21 10:52	11/18/21 16:25	1
PCB-1221	ND		32	3.5	ug/Kg		11/10/21 10:52	11/18/21 16:25	1
PCB-1232	ND		32	4.6	ug/Kg		11/10/21 10:52	11/18/21 16:25	1
PCB-1242	ND		32	5.7	ug/Kg		11/10/21 10:52	11/18/21 16:25	1
PCB-1248	ND		32	2.4	ug/Kg		11/10/21 10:52	11/18/21 16:25	1
PCB-1254	ND		32	3.7	ug/Kg		11/10/21 10:52	11/18/21 16:25	1
PCB-1260	ND		32	2.6	ug/Kg		11/10/21 10:52	11/18/21 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*52 - 138*	*11/10/21 10:52*	*11/18/21 16:25*	*1*
Tetrachloro-m-xylene	*60*		*56 - 114*	*11/10/21 10:52*	*11/18/21 16:25*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**150**		0.97	0.25	mg/Kg		11/04/21 13:39	11/05/21 11:55	1
Arsenic	**7.3**		1.9	1.3	mg/Kg		11/04/21 13:39	11/05/21 11:55	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S7G-2
Date Collected: 10/29/21 10:32
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-17
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
Aldrin	ND		1.6	0.13	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
Chlordane (technical)	ND		19	9.0	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
delta-BHC	ND		1.6	0.33	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
Endosulfan sulfate	ND		1.6	0.33	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
Endrin	ND		1.6	0.19	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
Endrin aldehyde	ND		1.6	0.54	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
trans-Chlordane	ND		1.6	0.57	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
Methoxychlor	ND		3.3	0.54	ug/Kg		11/10/21 11:54	11/21/21 17:40	1
Toxaphene	ND		64	21	ug/Kg		11/10/21 11:54	11/21/21 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*41*	*S1-*	*46 - 109*	*11/10/21 11:54*	*11/21/21 17:40*	*1*
DCB Decachlorobiphenyl	*62*		*46 - 109*	*11/10/21 11:54*	*11/21/21 17:40*	*1*
Tetrachloro-m-xylene	*63*		*47 - 107*	*11/10/21 11:54*	*11/21/21 17:40*	*1*
Tetrachloro-m-xylene	*60*		*47 - 107*	*11/10/21 11:54*	*11/21/21 17:40*	*1*

Client Sample ID: AOC3/AOC8-S6H-0.5

Date Collected: 10/29/21 10:55
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-18

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		32	4.4	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
4,4'-DDE	ND		32	4.0	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
4,4'-DDT	ND		32	4.8	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
Aldrin	ND		32	2.7	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
alpha-BHC	ND		32	3.0	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
cis-Chlordane	ND		32	3.4	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
beta-BHC	ND		32	4.2	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
Chlordane (technical)	ND		380	180	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
delta-BHC	ND		32	6.7	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
Dieldrin	ND		32	3.8	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
Endosulfan I	ND		32	3.4	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
Endosulfan II	ND		32	3.4	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
Endosulfan sulfate	ND		32	6.7	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
Endrin	ND		32	3.8	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
Endrin aldehyde	ND		32	11	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
Endrin ketone	ND		32	5.1	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
trans-Chlordane	ND		32	11	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
gamma-BHC (Lindane)	ND		32	2.7	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
Heptachlor	ND		32	2.9	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
Heptachlor epoxide	ND		32	3.4	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
Methoxychlor	ND		65	11	ug/Kg		11/10/21 10:47	11/22/21 23:44	20
Toxaphene	ND		1300	430	ug/Kg		11/10/21 10:47	11/22/21 23:44	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*46 - 109*	*11/10/21 10:47*	*11/22/21 23:44*	*20*
DCB Decachlorobiphenyl	*66*		*46 - 109*	*11/10/21 10:47*	*11/22/21 23:44*	*20*
Tetrachloro-m-xylene	*119*	*S1+*	*47 - 107*	*11/10/21 10:47*	*11/22/21 23:44*	*20*
Tetrachloro-m-xylene	*82*		*47 - 107*	*11/10/21 10:47*	*11/22/21 23:44*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		31	2.4	ug/Kg		11/10/21 10:52	11/18/21 16:45	1
PCB-1221	ND		31	3.4	ug/Kg		11/10/21 10:52	11/18/21 16:45	1
PCB-1232	ND		31	4.6	ug/Kg		11/10/21 10:52	11/18/21 16:45	1
PCB-1242	ND		31	5.6	ug/Kg		11/10/21 10:52	11/18/21 16:45	1
PCB-1248	ND		31	2.3	ug/Kg		11/10/21 10:52	11/18/21 16:45	1
PCB-1254	ND		31	3.6	ug/Kg		11/10/21 10:52	11/18/21 16:45	1
PCB-1260	ND		31	2.6	ug/Kg		11/10/21 10:52	11/18/21 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*52 - 138*	*11/10/21 10:52*	*11/18/21 16:45*	*1*
Tetrachloro-m-xylene	*74*		*56 - 114*	*11/10/21 10:52*	*11/18/21 16:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**83**		0.99	0.26	mg/Kg		11/04/21 13:39	11/05/21 11:58	1
Arsenic	**6.4**		2.0	1.3	mg/Kg		11/04/21 13:39	11/05/21 11:58	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3/AOC8-S6H-2
Date Collected: 10/29/21 10:56
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-19
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
Aldrin	ND		1.6	0.13	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
Chlordane (technical)	ND		19	9.0	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
delta-BHC	ND		1.6	0.34	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
Endosulfan sulfate	ND		1.6	0.34	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
Endrin	ND		1.6	0.19	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
Endrin aldehyde	ND		1.6	0.55	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
trans-Chlordane	ND		1.6	0.58	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
Methoxychlor	ND		3.3	0.54	ug/Kg		11/10/21 11:54	11/21/21 18:37	1
Toxaphene	ND		64	22	ug/Kg		11/10/21 11:54	11/21/21 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*37*	*S1-*	*46 - 109*	*11/10/21 11:54*	*11/21/21 18:37*	*1*
DCB Decachlorobiphenyl	*55*		*46 - 109*	*11/10/21 11:54*	*11/21/21 18:37*	*1*
Tetrachloro-m-xylene	*56*		*47 - 107*	*11/10/21 11:54*	*11/21/21 18:37*	*1*
Tetrachloro-m-xylene	*57*		*47 - 107*	*11/10/21 11:54*	*11/21/21 18:37*	*1*

Client Sample ID: AOC3-S7H-0.5

Date Collected: 10/29/21 10:57
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-20

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.4	1.1	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
4,4'-DDE	ND		8.4	1.0	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
4,4'-DDT	ND		8.4	1.2	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
Aldrin	ND		8.4	0.69	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
alpha-BHC	ND		8.4	0.79	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
cis-Chlordane	ND		8.4	0.89	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
beta-BHC	ND		8.4	1.1	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
Chlordane (technical)	ND		99	46	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
delta-BHC	ND		8.4	1.7	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
Dieldrin	ND		8.4	0.99	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
Endosulfan I	ND		8.4	0.89	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
Endosulfan II	ND		8.4	0.89	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
Endosulfan sulfate	ND		8.4	1.7	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
Endrin	ND		8.4	0.99	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
Endrin aldehyde	ND		8.4	2.8	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
Endrin ketone	ND		8.4	1.3	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
trans-Chlordane	ND		8.4	3.0	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
gamma-BHC (Lindane)	ND		8.4	0.69	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
Heptachlor	ND		8.4	0.74	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
Heptachlor epoxide	ND		8.4	0.89	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
Methoxychlor	ND		17	2.8	ug/Kg		11/10/21 10:47	11/23/21 00:03	5
Toxaphene	ND		330	110	ug/Kg		11/10/21 10:47	11/23/21 00:03	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*46 - 109*	*11/10/21 10:47*	*11/23/21 00:03*	*5*
DCB Decachlorobiphenyl	*57*		*46 - 109*	*11/10/21 10:47*	*11/23/21 00:03*	*5*
Tetrachloro-m-xylene	*92*		*47 - 107*	*11/10/21 10:47*	*11/23/21 00:03*	*5*
Tetrachloro-m-xylene	*82*		*47 - 107*	*11/10/21 10:47*	*11/23/21 00:03*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/10/21 10:52	11/18/21 17:05	1
PCB-1221	ND		33	3.6	ug/Kg		11/10/21 10:52	11/18/21 17:05	1
PCB-1232	ND		33	4.7	ug/Kg		11/10/21 10:52	11/18/21 17:05	1
PCB-1242	ND		33	5.8	ug/Kg		11/10/21 10:52	11/18/21 17:05	1
PCB-1248	ND		33	2.4	ug/Kg		11/10/21 10:52	11/18/21 17:05	1
PCB-1254	ND		33	3.8	ug/Kg		11/10/21 10:52	11/18/21 17:05	1
PCB-1260	ND		33	2.7	ug/Kg		11/10/21 10:52	11/18/21 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*52 - 138*	*11/10/21 10:52*	*11/18/21 17:05*	*1*
Tetrachloro-m-xylene	*62*		*56 - 114*	*11/10/21 10:52*	*11/18/21 17:05*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.49	0.087	mg/Kg		11/04/21 13:39	11/05/21 12:02	1
Arsenic	**3.4**		1.9	1.3	mg/Kg		11/04/21 13:39	11/05/21 12:02	1
Barium	**130**		0.97	0.12	mg/Kg		11/04/21 13:39	11/05/21 12:02	1
Beryllium	**0.54**		0.19	0.029	mg/Kg		11/04/21 13:39	11/05/21 12:02	1
Cadmium	**0.35**		0.19	0.029	mg/Kg		11/04/21 13:39	11/05/21 12:02	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S7H-0.5
Date Collected: 10/29/21 10:57
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-20
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	5.3		0.49	0.24	mg/Kg		11/04/21 13:39	11/05/21 12:02	1
Chromium	26	B	0.49	0.14	mg/Kg		11/04/21 13:39	11/05/21 12:02	1
Copper	28	B	1.5	0.21	mg/Kg		11/04/21 13:39	11/05/21 12:02	1
Molybdenum	ND		1.9	0.73	mg/Kg		11/04/21 13:39	11/05/21 12:02	1
Nickel	20		0.97	0.23	mg/Kg		11/04/21 13:39	11/05/21 12:02	1
Lead	700		0.97	0.25	mg/Kg		11/04/21 13:39	11/05/21 12:02	1
Selenium	ND		1.9	1.4	mg/Kg		11/04/21 13:39	11/05/21 12:02	1
Antimony	13		1.9	0.91	mg/Kg		11/04/21 13:39	11/05/21 12:02	1
Thallium	ND		1.9	0.82	mg/Kg		11/04/21 13:39	11/05/21 12:02	1
Vanadium	25		0.49	0.18	mg/Kg		11/04/21 13:39	11/05/21 12:02	1
Zinc	150		1.9	0.18	mg/Kg		11/04/21 13:39	11/05/21 12:02	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.085	0.014	mg/Kg		11/12/21 05:53	11/12/21 11:50	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S7H-2
Date Collected: 10/29/21 10:58
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-21
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
Aldrin	ND		1.6	0.14	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
Chlordane (technical)	ND		19	9.1	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
delta-BHC	ND		1.6	0.34	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
Endosulfan sulfate	ND		1.6	0.34	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
Endrin	ND		1.6	0.19	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
Endrin aldehyde	ND		1.6	0.55	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
trans-Chlordane	ND		1.6	0.58	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
gamma-BHC (Lindane)	ND		1.6	0.14	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
Heptachlor	ND		1.6	0.15	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
Methoxychlor	ND		3.3	0.54	ug/Kg		11/10/21 11:54	11/21/21 18:55	1
Toxaphene	ND		65	22	ug/Kg		11/10/21 11:54	11/21/21 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*45*	*S1-*	*46 - 109*	*11/10/21 11:54*	*11/21/21 18:55*	*1*
DCB Decachlorobiphenyl	*66*		*46 - 109*	*11/10/21 11:54*	*11/21/21 18:55*	*1*
Tetrachloro-m-xylene	*66*		*47 - 107*	*11/10/21 11:54*	*11/21/21 18:55*	*1*
Tetrachloro-m-xylene	*61*		*47 - 107*	*11/10/21 11:54*	*11/21/21 18:55*	*1*

Client Sample ID: AOC3-S8H-0.5

Date Collected: 10/29/21 10:59
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-22

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		32	4.3	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
4,4'-DDE	ND		32	3.9	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
4,4'-DDT	ND		32	4.7	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
Aldrin	ND		32	2.6	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
alpha-BHC	ND		32	3.0	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
cis-Chlordane	ND		32	3.4	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
beta-BHC	ND		32	4.1	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
Chlordane (technical)	ND		380	180	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
delta-BHC	ND		32	6.6	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
Dieldrin	ND		32	3.8	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
Endosulfan I	ND		32	3.4	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
Endosulfan II	ND		32	3.4	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
Endosulfan sulfate	ND		32	6.6	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
Endrin	ND		32	3.8	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
Endrin aldehyde	ND		32	11	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
Endrin ketone	ND		32	5.1	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
trans-Chlordane	ND		32	11	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
gamma-BHC (Lindane)	ND		32	2.6	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
Heptachlor	ND		32	2.8	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
Heptachlor epoxide	ND		32	3.4	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
Methoxychlor	ND		64	11	ug/Kg		11/10/21 10:47	11/23/21 00:22	20
Toxaphene	ND		1300	420	ug/Kg		11/10/21 10:47	11/23/21 00:22	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*46 - 109*	*11/10/21 10:47*	*11/23/21 00:22*	*20*
DCB Decachlorobiphenyl	*73*		*46 - 109*	*11/10/21 10:47*	*11/23/21 00:22*	*20*
Tetrachloro-m-xylene	*116*	*S1+*	*47 - 107*	*11/10/21 10:47*	*11/23/21 00:22*	*20*
Tetrachloro-m-xylene	*81*		*47 - 107*	*11/10/21 10:47*	*11/23/21 00:22*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		31	2.4	ug/Kg		11/10/21 10:52	11/18/21 17:25	1
PCB-1221	ND		31	3.4	ug/Kg		11/10/21 10:52	11/18/21 17:25	1
PCB-1232	ND		31	4.5	ug/Kg		11/10/21 10:52	11/18/21 17:25	1
PCB-1242	ND		31	5.5	ug/Kg		11/10/21 10:52	11/18/21 17:25	1
PCB-1248	ND		31	2.3	ug/Kg		11/10/21 10:52	11/18/21 17:25	1
PCB-1254	ND		31	3.6	ug/Kg		11/10/21 10:52	11/18/21 17:25	1
PCB-1260	ND		31	2.5	ug/Kg		11/10/21 10:52	11/18/21 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*63*		*52 - 138*	*11/10/21 10:52*	*11/18/21 17:25*	*1*
Tetrachloro-m-xylene	*67*		*56 - 114*	*11/10/21 10:52*	*11/18/21 17:25*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**100**		0.98	0.25	mg/Kg		11/04/21 13:39	11/05/21 12:06	1
Arsenic	**8.0**		2.0	1.3	mg/Kg		11/04/21 13:39	11/05/21 12:06	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S8H-2
Date Collected: 10/29/21 11:00
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-23
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
4,4'-DDT	ND		1.7	0.24	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
Aldrin	ND		1.7	0.14	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
Chlordane (technical)	ND		20	9.2	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
delta-BHC	ND		1.7	0.34	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
Endosulfan sulfate	ND		1.7	0.34	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
Endrin	ND		1.7	0.20	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
Endrin ketone	ND		1.7	0.26	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
trans-Chlordane	ND		1.7	0.59	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
Methoxychlor	ND		3.3	0.55	ug/Kg		11/10/21 11:54	11/21/21 19:14	1
Toxaphene	ND		66	22	ug/Kg		11/10/21 11:54	11/21/21 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*37*	*S1-*	*46 - 109*	*11/10/21 11:54*	*11/21/21 19:14*	*1*
DCB Decachlorobiphenyl	*49*		*46 - 109*	*11/10/21 11:54*	*11/21/21 19:14*	*1*
Tetrachloro-m-xylene	*56*		*47 - 107*	*11/10/21 11:54*	*11/21/21 19:14*	*1*
Tetrachloro-m-xylene	*56*		*47 - 107*	*11/10/21 11:54*	*11/21/21 19:14*	*1*

Client Sample ID: AOC3/AOC8-S9I-0.5

Date Collected: 10/29/21 11:14
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-24

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		17	2.3	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
4,4'-DDE	ND		17	2.1	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
4,4'-DDT	ND		17	2.5	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
Aldrin	ND		17	1.4	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
alpha-BHC	ND		17	1.6	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
cis-Chlordane	ND		17	1.8	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
beta-BHC	ND		17	2.2	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
Chlordane (technical)	ND		200	94	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
delta-BHC	ND		17	3.5	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
Dieldrin	ND		17	2.0	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
Endosulfan I	ND		17	1.8	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
Endosulfan II	ND		17	1.8	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
Endosulfan sulfate	ND		17	3.5	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
Endrin	ND		17	2.0	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
Endrin aldehyde	ND		17	5.7	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
Endrin ketone	ND		17	2.7	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
trans-Chlordane	ND		17	6.0	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
gamma-BHC (Lindane)	ND		17	1.4	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
Heptachlor	ND		17	1.5	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
Heptachlor epoxide	ND		17	1.8	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
Methoxychlor	ND		34	5.6	ug/Kg		11/10/21 10:47	11/23/21 21:06	10
Toxaphene	ND		670	220	ug/Kg		11/10/21 10:47	11/23/21 21:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*175*	*S1+*	*46 - 109*	*11/10/21 10:47*	*11/23/21 21:06*	*10*
DCB Decachlorobiphenyl	*68*		*46 - 109*	*11/10/21 10:47*	*11/23/21 21:06*	*10*
Tetrachloro-m-xylene	*88*		*47 - 107*	*11/10/21 10:47*	*11/23/21 21:06*	*10*
Tetrachloro-m-xylene	*63*		*47 - 107*	*11/10/21 10:47*	*11/23/21 21:06*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/10/21 10:52	11/18/21 17:45	1
PCB-1221	ND		33	3.6	ug/Kg		11/10/21 10:52	11/18/21 17:45	1
PCB-1232	ND		33	4.8	ug/Kg		11/10/21 10:52	11/18/21 17:45	1
PCB-1242	ND		33	5.9	ug/Kg		11/10/21 10:52	11/18/21 17:45	1
PCB-1248	ND		33	2.4	ug/Kg		11/10/21 10:52	11/18/21 17:45	1
PCB-1254	ND		33	3.8	ug/Kg		11/10/21 10:52	11/18/21 17:45	1
PCB-1260	ND		33	2.7	ug/Kg		11/10/21 10:52	11/18/21 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*67*		*52 - 138*	*11/10/21 10:52*	*11/18/21 17:45*	*1*
Tetrachloro-m-xylene	*74*		*56 - 114*	*11/10/21 10:52*	*11/18/21 17:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.089	mg/Kg		11/04/21 13:39	11/05/21 12:09	1
Arsenic	**7.6**		2.0	1.3	mg/Kg		11/04/21 13:39	11/05/21 12:09	1
Barium	**88**		0.99	0.12	mg/Kg		11/04/21 13:39	11/05/21 12:09	1
Beryllium	**0.43**		0.20	0.030	mg/Kg		11/04/21 13:39	11/05/21 12:09	1
Cadmium	**0.25**		0.20	0.030	mg/Kg		11/04/21 13:39	11/05/21 12:09	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3/AOC8-S9I-0.5
Date Collected: 10/29/21 11:14
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-24
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	5.7		0.50	0.25	mg/Kg		11/04/21 13:39	11/05/21 12:09	1
Chromium	23	B	0.50	0.14	mg/Kg		11/04/21 13:39	11/05/21 12:09	1
Copper	17	B	1.5	0.22	mg/Kg		11/04/21 13:39	11/05/21 12:09	1
Molybdenum	ND		2.0	0.74	mg/Kg		11/04/21 13:39	11/05/21 12:09	1
Nickel	17		0.99	0.24	mg/Kg		11/04/21 13:39	11/05/21 12:09	1
Lead	190		0.99	0.26	mg/Kg		11/04/21 13:39	11/05/21 12:09	1
Selenium	ND		2.0	1.4	mg/Kg		11/04/21 13:39	11/05/21 12:09	1
Antimony	8.9		2.0	0.93	mg/Kg		11/04/21 13:39	11/05/21 12:09	1
Thallium	0.85	J	2.0	0.83	mg/Kg		11/04/21 13:39	11/05/21 12:09	1
Vanadium	25		0.50	0.19	mg/Kg		11/04/21 13:39	11/05/21 12:09	1
Zinc	170		2.0	0.19	mg/Kg		11/04/21 13:39	11/05/21 12:09	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.082	0.013	mg/Kg		11/12/21 05:53	11/12/21 11:52	1

Client Sample ID: AOC3/AOC8-S9I-0.5 DUP

Date Collected: 10/29/21 11:14
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-25

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		16	2.2	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
4,4'-DDE	ND		16	2.0	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
4,4'-DDT	ND		16	2.4	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
Aldrin	ND		16	1.3	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
alpha-BHC	ND		16	1.5	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
cis-Chlordane	ND		16	1.7	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
beta-BHC	ND		16	2.1	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
Chlordane (technical)	ND		190	89	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
delta-BHC	ND		16	3.3	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
Dieldrin	ND		16	1.9	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
Endosulfan I	ND		16	1.7	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
Endosulfan II	ND		16	1.7	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
Endosulfan sulfate	ND		16	3.3	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
Endrin	ND		16	1.9	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
Endrin aldehyde	ND		16	5.4	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
Endrin ketone	ND		16	2.6	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
trans-Chlordane	ND		16	5.7	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
gamma-BHC (Lindane)	ND		16	1.3	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
Heptachlor	ND		16	1.4	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
Heptachlor epoxide	ND		16	1.7	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
Methoxychlor	ND		32	5.3	ug/Kg		11/10/21 10:47	11/23/21 21:25	10
Toxaphene	ND		640	210	ug/Kg		11/10/21 10:47	11/23/21 21:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*46 - 109*	*11/10/21 10:47*	*11/23/21 21:25*	*10*
DCB Decachlorobiphenyl	*46*		*46 - 109*	*11/10/21 10:47*	*11/23/21 21:25*	*10*
Tetrachloro-m-xylene	*90*		*47 - 107*	*11/10/21 10:47*	*11/23/21 21:25*	*10*
Tetrachloro-m-xylene	*64*		*47 - 107*	*11/10/21 10:47*	*11/23/21 21:25*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		31	2.4	ug/Kg		11/10/21 10:52	11/18/21 18:05	1
PCB-1221	ND		31	3.4	ug/Kg		11/10/21 10:52	11/18/21 18:05	1
PCB-1232	ND		31	4.6	ug/Kg		11/10/21 10:52	11/18/21 18:05	1
PCB-1242	ND		31	5.6	ug/Kg		11/10/21 10:52	11/18/21 18:05	1
PCB-1248	ND		31	2.3	ug/Kg		11/10/21 10:52	11/18/21 18:05	1
PCB-1254	ND		31	3.6	ug/Kg		11/10/21 10:52	11/18/21 18:05	1
PCB-1260	ND		31	2.6	ug/Kg		11/10/21 10:52	11/18/21 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*52 - 138*	*11/10/21 10:52*	*11/18/21 18:05*	*1*
Tetrachloro-m-xylene	*75*		*56 - 114*	*11/10/21 10:52*	*11/18/21 18:05*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.49	0.088	mg/Kg		11/04/21 13:39	11/05/21 12:13	1
Arsenic	**4.4**		2.0	1.3	mg/Kg		11/04/21 13:39	11/05/21 12:13	1
Barium	**150**		0.98	0.12	mg/Kg		11/04/21 13:39	11/05/21 12:13	1
Beryllium	**0.49**		0.20	0.029	mg/Kg		11/04/21 13:39	11/05/21 12:13	1
Cadmium	**0.15**	**J**	0.20	0.029	mg/Kg		11/04/21 13:39	11/05/21 12:13	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3/AOC8-S9I-0.5 DUP

Lab Sample ID: 320-81044-25

Date Collected: 10/29/21 11:14

Matrix: Solid

Date Received: 10/29/21 14:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	4.3		0.49	0.25	mg/Kg		11/04/21 13:39	11/05/21 12:13	1
Chromium	28	B	0.49	0.14	mg/Kg		11/04/21 13:39	11/05/21 12:13	1
Copper	15	B	1.5	0.22	mg/Kg		11/04/21 13:39	11/05/21 12:13	1
Molybdenum	ND		2.0	0.74	mg/Kg		11/04/21 13:39	11/05/21 12:13	1
Nickel	16		0.98	0.24	mg/Kg		11/04/21 13:39	11/05/21 12:13	1
Lead	250		0.98	0.25	mg/Kg		11/04/21 13:39	11/05/21 12:13	1
Selenium	ND		2.0	1.4	mg/Kg		11/04/21 13:39	11/05/21 12:13	1
Antimony	11		2.0	0.92	mg/Kg		11/04/21 13:39	11/05/21 12:13	1
Thallium	ND		2.0	0.82	mg/Kg		11/04/21 13:39	11/05/21 12:13	1
Vanadium	22		0.49	0.19	mg/Kg		11/04/21 13:39	11/05/21 12:13	1
Zinc	74		2.0	0.19	mg/Kg		11/04/21 13:39	11/05/21 12:13	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.083	0.014	mg/Kg		11/11/21 16:15	11/12/21 13:41	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3/AOC8-S9I-2
Date Collected: 10/29/21 11:15
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-26
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.2	0.44	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
4,4'-DDE	ND		3.2	0.40	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
4,4'-DDT	ND		3.2	0.48	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
Aldrin	ND		3.2	0.27	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
alpha-BHC	ND		3.2	0.31	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
cis-Chlordane	ND		3.2	0.34	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
beta-BHC	ND		3.2	0.42	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
Chlordane (technical)	ND		38	18	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
delta-BHC	ND		3.2	0.67	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
Dieldrin	ND		3.2	0.38	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
Endosulfan I	ND		3.2	0.34	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
Endosulfan II	ND		3.2	0.34	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
Endosulfan sulfate	ND		3.2	0.67	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
Endrin	ND		3.2	0.38	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
Endrin aldehyde	ND		3.2	1.1	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
Endrin ketone	ND		3.2	0.52	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
trans-Chlordane	ND		3.2	1.1	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
gamma-BHC (Lindane)	ND		3.2	0.27	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
Heptachlor	ND		3.2	0.29	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
Heptachlor epoxide	ND		3.2	0.34	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
Methoxychlor	ND		6.5	1.1	ug/Kg		11/10/21 11:54	11/21/21 19:33	2
Toxaphene	ND		130	43	ug/Kg		11/10/21 11:54	11/21/21 19:33	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*47*		*46 - 109*	*11/10/21 11:54*	*11/21/21 19:33*	*2*
DCB Decachlorobiphenyl	*34*	*S1-*	*46 - 109*	*11/10/21 11:54*	*11/21/21 19:33*	*2*
Tetrachloro-m-xylene	*65*		*47 - 107*	*11/10/21 11:54*	*11/21/21 19:33*	*2*
Tetrachloro-m-xylene	*60*		*47 - 107*	*11/10/21 11:54*	*11/21/21 19:33*	*2*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S8H-0.5

Date Collected: 10/29/21 11:16
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-27

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		32	4.4	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
4,4'-DDE	ND		32	4.0	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
4,4'-DDT	ND	F1	32	4.7	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
Aldrin	ND		32	2.7	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
alpha-BHC	ND		32	3.0	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
cis-Chlordane	ND		32	3.4	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
beta-BHC	ND		32	4.2	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
Chlordane (technical)	ND		380	180	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
delta-BHC	ND		32	6.6	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
Dieldrin	ND		32	3.8	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
Endosulfan I	ND	F1	32	3.4	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
Endosulfan II	ND		32	3.4	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
Endosulfan sulfate	ND	F1	32	6.6	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
Endrin	ND		32	3.8	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
Endrin aldehyde	ND	F1	32	11	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
Endrin ketone	ND		32	5.1	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
trans-Chlordane	ND	F2 F1	32	11	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
gamma-BHC (Lindane)	ND		32	2.7	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
Heptachlor	ND		32	2.8	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
Heptachlor epoxide	ND		32	3.4	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
Methoxychlor	ND	F1	65	11	ug/Kg		11/10/21 10:47	11/23/21 21:44	20
Toxaphene	ND		1300	430	ug/Kg		11/10/21 10:47	11/23/21 21:44	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*135*	*S1+*	*46 - 109*	*11/10/21 10:47*	*11/23/21 21:44*	*20*
DCB Decachlorobiphenyl	*13*	*S1-*	*46 - 109*	*11/10/21 10:47*	*11/23/21 21:44*	*20*
Tetrachloro-m-xylene	*97*		*47 - 107*	*11/10/21 10:47*	*11/23/21 21:44*	*20*
Tetrachloro-m-xylene	*48*		*47 - 107*	*11/10/21 10:47*	*11/23/21 21:44*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		31	2.4	ug/Kg		11/10/21 10:52	11/18/21 18:25	1
PCB-1221	ND		31	3.4	ug/Kg		11/10/21 10:52	11/18/21 18:25	1
PCB-1232	ND		31	4.6	ug/Kg		11/10/21 10:52	11/18/21 18:25	1
PCB-1242	ND		31	5.6	ug/Kg		11/10/21 10:52	11/18/21 18:25	1
PCB-1248	ND		31	2.3	ug/Kg		11/10/21 10:52	11/18/21 18:25	1
PCB-1254	ND		31	3.6	ug/Kg		11/10/21 10:52	11/18/21 18:25	1
PCB-1260	ND		31	2.6	ug/Kg		11/10/21 10:52	11/18/21 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*52 - 138*	*11/10/21 10:52*	*11/18/21 18:25*	*1*
Tetrachloro-m-xylene	*67*		*56 - 114*	*11/10/21 10:52*	*11/18/21 18:25*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**14**		0.98	0.25	mg/Kg		11/04/21 13:39	11/05/21 12:24	1
Arsenic	**2.1**		2.0	1.3	mg/Kg		11/04/21 13:39	11/05/21 12:24	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S8H-2
Date Collected: 10/29/21 11:17
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-28
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
Aldrin	ND		1.6	0.13	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
Chlordane (technical)	ND		19	9.0	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
delta-BHC	ND		1.6	0.33	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
Endosulfan sulfate	ND		1.6	0.33	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
Endrin	ND		1.6	0.19	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
Endrin aldehyde	ND		1.6	0.54	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
trans-Chlordane	ND		1.6	0.57	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
Methoxychlor	ND		3.3	0.54	ug/Kg		11/10/21 11:54	11/21/21 19:52	1
Toxaphene	ND		64	21	ug/Kg		11/10/21 11:54	11/21/21 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*44*	*S1-*	*46 - 109*	*11/10/21 11:54*	*11/21/21 19:52*	*1*
DCB Decachlorobiphenyl	*44*	*S1-*	*46 - 109*	*11/10/21 11:54*	*11/21/21 19:52*	*1*
Tetrachloro-m-xylene	*63*		*47 - 107*	*11/10/21 11:54*	*11/21/21 19:52*	*1*
Tetrachloro-m-xylene	*59*		*47 - 107*	*11/10/21 11:54*	*11/21/21 19:52*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S7I-0.5

Date Collected: 10/29/21 11:18
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-29

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		32	4.3	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
4,4'-DDE	ND		32	3.9	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
4,4'-DDT	ND		32	4.7	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
Aldrin	ND		32	2.6	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
alpha-BHC	ND		32	3.0	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
cis-Chlordane	ND		32	3.4	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
beta-BHC	ND		32	4.1	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
Chlordane (technical)	ND		380	180	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
delta-BHC	ND		32	6.6	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
Dieldrin	ND		32	3.8	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
Endosulfan I	ND		32	3.4	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
Endosulfan II	ND		32	3.4	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
Endosulfan sulfate	ND		32	6.6	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
Endrin	ND		32	3.8	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
Endrin aldehyde	ND		32	11	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
Endrin ketone	ND		32	5.1	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
trans-Chlordane	ND		32	11	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
gamma-BHC (Lindane)	ND		32	2.6	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
Heptachlor	ND		32	2.8	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
Heptachlor epoxide	ND		32	3.4	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
Methoxychlor	ND		64	11	ug/Kg		11/10/21 10:47	11/23/21 22:41	20
Toxaphene	ND		1300	420	ug/Kg		11/10/21 10:47	11/23/21 22:41	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/10/21 10:47*	*11/23/21 22:41*	*20*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/10/21 10:47*	*11/23/21 22:41*	*20*
Tetrachloro-m-xylene	*92*		*47 - 107*	*11/10/21 10:47*	*11/23/21 22:41*	*20*
Tetrachloro-m-xylene	*53*		*47 - 107*	*11/10/21 10:47*	*11/23/21 22:41*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	F1	31	2.4	ug/Kg		11/10/21 10:52	11/18/21 18:45	1
PCB-1221	ND		31	3.4	ug/Kg		11/10/21 10:52	11/18/21 18:45	1
PCB-1232	ND		31	4.5	ug/Kg		11/10/21 10:52	11/18/21 18:45	1
PCB-1242	ND		31	5.5	ug/Kg		11/10/21 10:52	11/18/21 18:45	1
PCB-1248	ND		31	2.3	ug/Kg		11/10/21 10:52	11/18/21 18:45	1
PCB-1254	ND		31	3.6	ug/Kg		11/10/21 10:52	11/18/21 18:45	1
PCB-1260	ND	F1	31	2.5	ug/Kg		11/10/21 10:52	11/18/21 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*	*S1-*	*52 - 138*	*11/10/21 10:52*	*11/18/21 18:45*	*1*
Tetrachloro-m-xylene	*56*		*56 - 114*	*11/10/21 10:52*	*11/18/21 18:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**110**		0.98	0.25	mg/Kg		11/04/21 13:39	11/05/21 10:42	1
Arsenic	**4.1**		2.0	1.3	mg/Kg		11/04/21 13:39	11/05/21 10:42	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S7I-2
Date Collected: 10/29/21 11:19
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-30
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
Aldrin	ND		1.7	0.14	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
Chlordane (technical)	ND		20	9.3	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
Endrin	ND		1.7	0.20	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/10/21 11:54	11/21/21 20:11	1
Toxaphene	ND		67	22	ug/Kg		11/10/21 11:54	11/21/21 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*40*	*S1-*	*46 - 109*	*11/10/21 11:54*	*11/21/21 20:11*	*1*
DCB Decachlorobiphenyl	*49*		*46 - 109*	*11/10/21 11:54*	*11/21/21 20:11*	*1*
Tetrachloro-m-xylene	*57*		*47 - 107*	*11/10/21 11:54*	*11/21/21 20:11*	*1*
Tetrachloro-m-xylene	*55*		*47 - 107*	*11/10/21 11:54*	*11/21/21 20:11*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: EB10292021
Date Collected: 10/29/21 12:00
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-31
Matrix: Water

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.049	0.012	ug/L		11/05/21 09:34	11/13/21 00:03	1
4,4'-DDE	ND		0.049	0.012	ug/L		11/05/21 09:34	11/13/21 00:03	1
4,4'-DDT	ND		0.049	0.012	ug/L		11/05/21 09:34	11/13/21 00:03	1
Aldrin	ND		0.049	0.0059	ug/L		11/05/21 09:34	11/13/21 00:03	1
alpha-BHC	ND		0.049	0.0069	ug/L		11/05/21 09:34	11/13/21 00:03	1
beta-BHC	ND		0.049	0.016	ug/L		11/05/21 09:34	11/13/21 00:03	1
gamma-BHC (Lindane)	ND		0.049	0.013	ug/L		11/05/21 09:34	11/13/21 00:03	1
delta-BHC	ND		0.049	0.023	ug/L		11/05/21 09:34	11/13/21 00:03	1
cis-Chlordane	ND		0.049	0.022	ug/L		11/05/21 09:34	11/13/21 00:03	1
trans-Chlordane	ND		0.049	0.012	ug/L		11/05/21 09:34	11/13/21 00:03	1
Dieldrin	ND		0.049	0.012	ug/L		11/05/21 09:34	11/13/21 00:03	1
Endosulfan I	ND		0.049	0.014	ug/L		11/05/21 09:34	11/13/21 00:03	1
Endosulfan II	ND		0.049	0.012	ug/L		11/05/21 09:34	11/13/21 00:03	1
Endosulfan sulfate	ND		0.049	0.012	ug/L		11/05/21 09:34	11/13/21 00:03	1
Endrin	ND		0.049	0.012	ug/L		11/05/21 09:34	11/13/21 00:03	1
Endrin aldehyde	ND		0.099	0.025	ug/L		11/05/21 09:34	11/13/21 00:03	1
Endrin ketone	ND		0.099	0.020	ug/L		11/05/21 09:34	11/13/21 00:03	1
Heptachlor	ND		0.049	0.0069	ug/L		11/05/21 09:34	11/13/21 00:03	1
Heptachlor epoxide	ND		0.049	0.014	ug/L		11/05/21 09:34	11/13/21 00:03	1
Methoxychlor	ND		0.099	0.041	ug/L		11/05/21 09:34	11/13/21 00:03	1
Toxaphene	ND		2.0	0.50	ug/L		11/05/21 09:34	11/13/21 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*44 - 114*	*11/05/21 09:34*	*11/13/21 00:03*	*1*
Tetrachloro-m-xylene	*76*		*44 - 114*	*11/05/21 09:34*	*11/13/21 00:03*	*1*
DCB Decachlorobiphenyl	*38*		*12 - 131*	*11/05/21 09:34*	*11/13/21 00:03*	*1*
DCB Decachlorobiphenyl	*62*		*12 - 131*	*11/05/21 09:34*	*11/13/21 00:03*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.010	0.0058	mg/L		11/10/21 14:08	11/12/21 17:27	1
Arsenic	ND		0.10	0.022	mg/L		11/10/21 14:08	11/12/21 17:27	1
Barium	ND		0.010	0.0016	mg/L		11/10/21 14:08	11/12/21 17:27	1
Beryllium	ND		0.010	0.0026	mg/L		11/10/21 14:08	11/12/21 17:27	1
Cadmium	ND		0.010	0.0012	mg/L		11/10/21 14:08	11/12/21 17:27	1
Cobalt	ND		0.050	0.0023	mg/L		11/10/21 14:08	11/12/21 17:27	1
Chromium	ND		0.050	0.0086	mg/L		11/10/21 14:08	11/12/21 17:27	1
Copper	ND		0.050	0.0085	mg/L		11/10/21 14:08	11/12/21 17:27	1
Molybdenum	ND		0.050	0.024	mg/L		11/10/21 14:08	11/12/21 17:27	1
Nickel	ND		0.050	0.0045	mg/L		11/10/21 14:08	11/12/21 17:27	1
Antimony	ND		0.10	0.021	mg/L		11/10/21 14:08	11/12/21 17:27	1
Selenium	ND		0.10	0.034	mg/L		11/10/21 14:08	11/12/21 17:27	1
Thallium	ND		0.050	0.019	mg/L		11/10/21 14:08	11/12/21 17:27	1
Vanadium	ND		0.010	0.0017	mg/L		11/10/21 14:08	11/12/21 17:27	1
Zinc	ND		0.25	0.014	mg/L		11/10/21 14:08	11/12/21 17:27	1
Lead	ND		0.050	0.0080	mg/L		11/10/21 14:08	11/12/21 17:27	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00050	0.00014	mg/L		11/12/21 06:21	11/12/21 12:47	1

Surrogate Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (46-109)	DCBP2 (46-109)	TCX1 (47-107)	TCX2 (47-107)
320-81044-1	AOC3-S1I-0.5	83	74	124 S1+	103
320-81044-2	AOC3-S1I-2	47	41 S1-	73	70
320-81044-3	AOC3-S2I-0.5	0 S1-	0 S1-	144 S1+	82
320-81044-4	AOC3-S2I-2	55	33 S1-	64	59
320-81044-5	AOC3-S6I-0.5	80	56	108 S1+	71
320-81044-6	AOC3-S6I-0.5-DUP	72	78	109 S1+	66
320-81044-7	AOC3-S6I-2	40 S1-	36 S1-	57	55
320-81044-8	AOC3-S8F-0.5	74	54	106	92
320-81044-9	AOC3-S8F-2	44 S1-	47	68	69
320-81044-10	AOC3-S9G-0.5	64	52	82	71
320-81044-11	AOC3-S9G-2	48	44 S1-	62	63
320-81044-12	AOC3-S7F-0.5	86	47	103	71
320-81044-13	AOC3-S7F-2	66	63	101	77
320-81044-14	AOC3-S8G-0.5	68	59	116 S1+	74
320-81044-15	AOC3-S8G-2	69	55	106	89
320-81044-16	AOC3-S7G-0.5	80	61	109 S1+	69
320-81044-17	AOC3-S7G-2	41 S1-	62	63	60
320-81044-17 MS	AOC3-S7G-2	45 S1-		68	
320-81044-17 MSD	AOC3-S7G-2	46		65	
320-81044-18	AOC3/AOC8-S6H-0.5	90	66	119 S1+	82
320-81044-19	AOC3/AOC8-S6H-2	37 S1-	55	56	57
320-81044-20	AOC3-S7H-0.5	61	57	92	82
320-81044-21	AOC3-S7H-2	45 S1-	66	66	61
320-81044-22	AOC3-S8H-0.5	98	73	116 S1+	81
320-81044-23	AOC3-S8H-2	37 S1-	49	56	56
320-81044-24	AOC3/AOC8-S9I-0.5	175 S1+	68	88	63
320-81044-25	AOC3/AOC8-S9I-0.5 DUP	96	46	90	64
320-81044-26	AOC3/AOC8-S9I-2	47	34 S1-	65	60
320-81044-27	AOC3-S8H-0.5	135 S1+	13 S1-	97	48
320-81044-27 MS	AOC3-S8H-0.5		0 S1-		44 S1-
320-81044-27 MSD	AOC3-S8H-0.5		4 S1-		45 S1-
320-81044-28	AOC3-S8H-2	44 S1-	44 S1-	63	59
320-81044-29	AOC3-S7I-0.5	0 S1-	0 S1-	92	53
320-81044-30	AOC3-S7I-2	40 S1-	49	57	55
LCS 320-541359/2-A	Lab Control Sample	52 p		77	
LCS 320-541556/2-A	Lab Control Sample	48		79	
LCS 320-541586/2-A	Lab Control Sample	47		79	
MB 320-541359/1-A	Method Blank	64	90	76	72
MB 320-541556/1-A	Method Blank	55	77	73	75
MB 320-541586/1-A	Method Blank	57	83	71	72

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: Ninyo & Moore
Job ID: 320-81044-1
Project/Site: Cole School PEA

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCBP1	DCBP2
Lab Sample ID	Client Sample ID	(44-114)	(44-114)	(12-131)	(12-131)
320-81044-31	EB10292021	76	76	38	62
LCS 320-540231/2-A	Lab Control Sample	76		50	
LCSD 320-540231/3-A	Lab Control Sample Dup	79		49	
MB 320-540231/1-A	Method Blank	74	74	45	53

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2	TCX2
Lab Sample ID	Client Sample ID	(52-138)	(56-114)
320-81044-1	AOC3-S1I-0.5	72	75
320-81044-3	AOC3-S2I-0.5	85	77
320-81044-5	AOC3-S6I-0.5	53	56
320-81044-6	AOC3-S6I-0.5-DUP	47 S1-	52 S1-
320-81044-8	AOC3-S8F-0.5	51 S1-	59
320-81044-10	AOC3-S9G-0.5	62	61
320-81044-12	AOC3-S7F-0.5	65	66
320-81044-14	AOC3-S8G-0.5	64	69
320-81044-16	AOC3-S7G-0.5	55	60
320-81044-18	AOC3/AOC8-S6H-0.5	71	74
320-81044-20	AOC3-S7H-0.5	56	62
320-81044-22	AOC3-S8H-0.5	63	67
320-81044-24	AOC3/AOC8-S9I-0.5	67	74
320-81044-25	AOC3/AOC8-S9I-0.5 DUP	73	75
320-81044-27	AOC3-S8H-0.5	58	67
320-81044-29	AOC3-S7I-0.5	51 S1-	56
320-81044-29 MS	AOC3-S7I-0.5	45 S1-	49 S1-
320-81044-29 MSD	AOC3-S7I-0.5	48 S1-	55 S1-
LCS 320-541557/2-A	Lab Control Sample	81	71
MB 320-541557/1-A	Method Blank	73	64

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 320-540231/1-A
Matrix: Water
Analysis Batch: 542188

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 540231

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.025	0.0060	ug/L		11/05/21 09:34	11/12/21 22:48	1
4,4'-DDE	ND		0.025	0.0060	ug/L		11/05/21 09:34	11/12/21 22:48	1
4,4'-DDT	ND		0.025	0.0060	ug/L		11/05/21 09:34	11/12/21 22:48	1
Aldrin	ND		0.025	0.0030	ug/L		11/05/21 09:34	11/12/21 22:48	1
alpha-BHC	ND		0.025	0.0035	ug/L		11/05/21 09:34	11/12/21 22:48	1
beta-BHC	ND		0.025	0.0080	ug/L		11/05/21 09:34	11/12/21 22:48	1
cis-Chlordane	ND		0.025	0.011	ug/L		11/05/21 09:34	11/12/21 22:48	1
delta-BHC	ND		0.025	0.012	ug/L		11/05/21 09:34	11/12/21 22:48	1
Dieldrin	ND		0.025	0.0060	ug/L		11/05/21 09:34	11/12/21 22:48	1
Endosulfan I	ND		0.025	0.0070	ug/L		11/05/21 09:34	11/12/21 22:48	1
Endosulfan II	ND		0.025	0.0060	ug/L		11/05/21 09:34	11/12/21 22:48	1
Endosulfan sulfate	ND		0.025	0.0060	ug/L		11/05/21 09:34	11/12/21 22:48	1
Endrin	ND		0.025	0.0060	ug/L		11/05/21 09:34	11/12/21 22:48	1
Endrin aldehyde	ND		0.050	0.013	ug/L		11/05/21 09:34	11/12/21 22:48	1
Endrin ketone	ND		0.050	0.010	ug/L		11/05/21 09:34	11/12/21 22:48	1
trans-Chlordane	ND		0.025	0.0060	ug/L		11/05/21 09:34	11/12/21 22:48	1
gamma-BHC (Lindane)	ND		0.025	0.0065	ug/L		11/05/21 09:34	11/12/21 22:48	1
Heptachlor	ND		0.025	0.0035	ug/L		11/05/21 09:34	11/12/21 22:48	1
Heptachlor epoxide	ND		0.025	0.0070	ug/L		11/05/21 09:34	11/12/21 22:48	1
Methoxychlor	ND		0.050	0.021	ug/L		11/05/21 09:34	11/12/21 22:48	1
Toxaphene	ND		1.0	0.26	ug/L		11/05/21 09:34	11/12/21 22:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*45*		*12 - 131*	*11/05/21 09:34*	*11/12/21 22:48*	*1*
DCB Decachlorobiphenyl	*53*		*12 - 131*	*11/05/21 09:34*	*11/12/21 22:48*	*1*
Tetrachloro-m-xylene	*74*		*44 - 114*	*11/05/21 09:34*	*11/12/21 22:48*	*1*
Tetrachloro-m-xylene	*74*		*44 - 114*	*11/05/21 09:34*	*11/12/21 22:48*	*1*

Lab Sample ID: LCS 320-540231/2-A
Matrix: Water
Analysis Batch: 542188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540231

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.500	0.433		ug/L		87	65 - 141
4,4'-DDE	0.500	0.406		ug/L		81	60 - 134
4,4'-DDT	0.500	0.420		ug/L		84	69 - 127
Aldrin	0.500	0.390		ug/L		78	56 - 119
alpha-BHC	0.500	0.400		ug/L		80	63 - 137
beta-BHC	0.500	0.417		ug/L		83	64 - 125
cis-Chlordane	0.500	0.403		ug/L		81	63 - 127
delta-BHC	0.500	0.416		ug/L		83	61 - 140
Dieldrin	0.500	0.410		ug/L		82	63 - 135
Endosulfan I	0.500	0.330		ug/L		66	37 - 133
Endosulfan II	0.500	0.386		ug/L		77	54 - 126
Endosulfan sulfate	0.500	0.427		ug/L		85	59 - 124
Endrin	0.500	0.413		ug/L		83	67 - 136
Endrin aldehyde	0.500	0.346		ug/L		69	41 - 112
Endrin ketone	0.500	0.405		ug/L		81	57 - 128

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 320-540231/2-A
Matrix: Water
Analysis Batch: 542188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540231

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-Chlordane	0.500	0.397		ug/L		79	59 - 128
gamma-BHC (Lindane)	0.500	0.413		ug/L		83	68 - 135
Heptachlor	0.500	0.385		ug/L		77	63 - 126
Heptachlor epoxide	0.500	0.397		ug/L		79	67 - 129
Methoxychlor	0.500	0.423		ug/L		85	71 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*50*		*12 - 131*
Tetrachloro-m-xylene	*76*		*44 - 114*

Lab Sample ID: LCSD 320-540231/3-A
Matrix: Water
Analysis Batch: 542188

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 540231

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.500	0.462		ug/L		92	65 - 141	7	30
4,4'-DDE	0.500	0.432		ug/L		86	60 - 134	6	30
4,4'-DDT	0.500	0.447		ug/L		89	69 - 127	6	30
Aldrin	0.500	0.393		ug/L		79	56 - 119	1	30
alpha-BHC	0.500	0.427		ug/L		85	63 - 137	6	30
beta-BHC	0.500	0.444		ug/L		89	64 - 125	6	30
cis-Chlordane	0.500	0.432		ug/L		86	63 - 127	7	30
delta-BHC	0.500	0.442		ug/L		88	61 - 140	6	30
Dieldrin	0.500	0.440		ug/L		88	63 - 135	7	30
Endosulfan I	0.500	0.356		ug/L		71	37 - 133	8	30
Endosulfan II	0.500	0.410		ug/L		82	54 - 126	6	30
Endosulfan sulfate	0.500	0.453		ug/L		91	59 - 124	6	30
Endrin	0.500	0.441		ug/L		88	67 - 136	7	30
Endrin aldehyde	0.500	0.368		ug/L		74	41 - 112	6	30
Endrin ketone	0.500	0.433		ug/L		87	57 - 128	7	30
trans-Chlordane	0.500	0.424		ug/L		85	59 - 128	7	30
gamma-BHC (Lindane)	0.500	0.440		ug/L		88	68 - 135	6	30
Heptachlor	0.500	0.396		ug/L		79	63 - 126	3	30
Heptachlor epoxide	0.500	0.427		ug/L		85	67 - 129	7	30
Methoxychlor	0.500	0.448		ug/L		90	71 - 125	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*49*		*12 - 131*
Tetrachloro-m-xylene	*79*		*44 - 114*

Lab Sample ID: MB 320-541359/1-A
Matrix: Solid
Analysis Batch: 544089

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541359

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
4,4'-DDE	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
4,4'-DDT	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 320-541359/1-A
Matrix: Solid
Analysis Batch: 544089

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541359

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
alpha-BHC	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
beta-BHC	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Chlordane (technical)	ND		20		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
cis-Chlordane	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
delta-BHC	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Dieldrin	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Endosulfan I	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Endosulfan II	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Endosulfan sulfate	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Endrin	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Endrin aldehyde	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Endrin ketone	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
trans-Chlordane	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
gamma-BHC (Lindane)	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Heptachlor	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Heptachlor epoxide	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Methoxychlor	ND		3.4		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Toxaphene	ND		67		ug/Kg		11/09/21 14:45	11/19/21 13:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*46 - 109*	*11/09/21 14:45*	*11/19/21 13:40*	*1*
DCB Decachlorobiphenyl	*90*		*46 - 109*	*11/09/21 14:45*	*11/19/21 13:40*	*1*
Tetrachloro-m-xylene	*76*		*47 - 107*	*11/09/21 14:45*	*11/19/21 13:40*	*1*
Tetrachloro-m-xylene	*72*		*47 - 107*	*11/09/21 14:45*	*11/19/21 13:40*	*1*

Lab Sample ID: LCS 320-541359/2-A
Matrix: Solid
Analysis Batch: 544089

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541359

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	13.0		ug/Kg		78	53 - 117
4,4'-DDE	16.7	13.4		ug/Kg		80	58 - 115
4,4'-DDT	16.7	14.3		ug/Kg		86	53 - 128
Aldrin	16.7	13.0		ug/Kg		78	55 - 109
alpha-BHC	16.7	13.1		ug/Kg		78	54 - 111
beta-BHC	16.7	12.8		ug/Kg		77	53 - 115
cis-Chlordane	16.7	12.4		ug/Kg		75	54 - 113
delta-BHC	16.7	13.0		ug/Kg		78	39 - 124
Dieldrin	16.7	13.2		ug/Kg		79	54 - 117
Endosulfan I	16.7	11.1		ug/Kg		66	42 - 118
Endosulfan II	16.7	12.5		ug/Kg		75	48 - 118
Endosulfan sulfate	16.7	14.0		ug/Kg		84	51 - 113
Endrin	16.7	13.4		ug/Kg		80	58 - 115
Endrin aldehyde	16.7	12.8		ug/Kg		77	40 - 100
Endrin ketone	16.7	13.3		ug/Kg		80	51 - 118
trans-Chlordane	16.7	12.2		ug/Kg		73	55 - 114
gamma-BHC (Lindane)	16.7	13.1		ug/Kg		78	54 - 112

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 320-541359/2-A
Matrix: Solid
Analysis Batch: 544089

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541359

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptachlor	16.7	12.8		ug/Kg		77	50 - 118
Heptachlor epoxide	16.7	12.7		ug/Kg		76	56 - 113
Methoxychlor	16.7	14.1		ug/Kg		84	52 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*52*	*p*	*46 - 109*
Tetrachloro-m-xylene	*77*		*47 - 107*

Lab Sample ID: MB 320-541556/1-A
Matrix: Solid
Analysis Batch: 544910

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
Aldrin	ND		1.7	0.14	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
Chlordane (technical)	ND		20	9.4	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
Endrin	ND		1.7	0.20	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/10/21 10:47	11/22/21 15:28	1
Toxaphene	ND		67	22	ug/Kg		11/10/21 10:47	11/22/21 15:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*46 - 109*	*11/10/21 10:47*	*11/22/21 15:28*	*1*
DCB Decachlorobiphenyl	*77*		*46 - 109*	*11/10/21 10:47*	*11/22/21 15:28*	*1*
Tetrachloro-m-xylene	*73*		*47 - 107*	*11/10/21 10:47*	*11/22/21 15:28*	*1*
Tetrachloro-m-xylene	*75*		*47 - 107*	*11/10/21 10:47*	*11/22/21 15:28*	*1*

Lab Sample ID: LCS 320-541556/2-A
Matrix: Solid
Analysis Batch: 544910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541556

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	13.5		ug/Kg		81	53 - 117

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 320-541556/2-A
Matrix: Solid
Analysis Batch: 544910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541556

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDE	16.7	13.8		ug/Kg		83	58 - 115
4,4'-DDT	16.7	14.4		ug/Kg		86	53 - 128
Aldrin	16.7	13.3		ug/Kg		80	55 - 109
alpha-BHC	16.7	13.4		ug/Kg		80	54 - 111
beta-BHC	16.7	13.3		ug/Kg		80	53 - 115
cis-Chlordane	16.7	12.8		ug/Kg		77	54 - 113
delta-BHC	16.7	13.4		ug/Kg		80	39 - 124
Dieldrin	16.7	13.6		ug/Kg		82	54 - 117
Endosulfan I	16.7	11.2		ug/Kg		67	42 - 118
Endosulfan II	16.7	12.8		ug/Kg		77	48 - 118
Endosulfan sulfate	16.7	13.9		ug/Kg		84	51 - 113
Endrin	16.7	13.9		ug/Kg		83	58 - 115
Endrin aldehyde	16.7	12.9		ug/Kg		78	40 - 100
Endrin ketone	16.7	13.8		ug/Kg		83	51 - 118
trans-Chlordane	16.7	12.5		ug/Kg		75	55 - 114
gamma-BHC (Lindane)	16.7	13.4		ug/Kg		81	54 - 112
Heptachlor	16.7	13.1		ug/Kg		79	50 - 118
Heptachlor epoxide	16.7	13.0		ug/Kg		78	56 - 113
Methoxychlor	16.7	14.3		ug/Kg		86	52 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*48*		*46 - 109*
Tetrachloro-m-xylene	*79*		*47 - 107*

Lab Sample ID: 320-81044-27 MS
Matrix: Solid
Analysis Batch: 545312

Client Sample ID: AOC3-S8H-0.5
Prep Type: Total/NA
Prep Batch: 541556

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		16.6	13.3	J	ug/Kg		80	53 - 117
4,4'-DDE	ND		16.6	10.9	J	ug/Kg		66	58 - 115
4,4'-DDT	ND	F1	16.6	7.93	J F1	ug/Kg		48	53 - 128
Aldrin	ND		16.6	10.7	J	ug/Kg		64	55 - 109
alpha-BHC	ND		16.6	11.4	J	ug/Kg		69	54 - 111
beta-BHC	ND		16.6	10.7	J	ug/Kg		64	53 - 115
cis-Chlordane	ND		16.6	10.2	J	ug/Kg		61	54 - 113
delta-BHC	ND		16.6	11.1	J	ug/Kg		67	39 - 124
Dieldrin	ND		16.6	10.1	J	ug/Kg		61	54 - 117
Endosulfan I	ND	F1	16.6	6.34	J F1	ug/Kg		38	42 - 118
Endosulfan II	ND		16.6	8.58	J	ug/Kg		52	48 - 118
Endosulfan sulfate	ND	F1	16.6	ND	F1	ug/Kg		0	51 - 113
Endrin	ND		16.6	9.89	J	ug/Kg		59	58 - 115
Endrin aldehyde	ND	F1	16.6	ND	F1	ug/Kg		0	40 - 100
Endrin ketone	ND		16.6	9.20	J	ug/Kg		55	51 - 118
trans-Chlordane	ND	F2 F1	16.6	32.8	J F1	ug/Kg		197	55 - 114
gamma-BHC (Lindane)	ND		16.6	12.7	J	ug/Kg		76	54 - 112
Heptachlor	ND		16.6	11.5	J	ug/Kg		69	50 - 118
Heptachlor epoxide	ND		16.6	10.7	J	ug/Kg		64	56 - 113

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 320-81044-27 MS
Matrix: Solid
Analysis Batch: 545312

Client Sample ID: AOC3-S8H-0.5
Prep Type: Total/NA
Prep Batch: 541556

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methoxychlor	ND	F1	16.6	ND	F1	ug/Kg		0	52 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*
Tetrachloro-m-xylene	*44*	*S1-*	*47 - 107*

Lab Sample ID: 320-81044-27 MSD
Matrix: Solid
Analysis Batch: 545312

Client Sample ID: AOC3-S8H-0.5
Prep Type: Total/NA
Prep Batch: 541556

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		15.9	12.6	J	ug/Kg		79	53 - 117	6	30
4,4'-DDE	ND		15.9	10.5	J	ug/Kg		66	58 - 115	4	30
4,4'-DDT	ND	F1	15.9	7.56	J F1	ug/Kg		47	53 - 128	5	30
Aldrin	ND		15.9	10.3	J	ug/Kg		64	55 - 109	4	30
alpha-BHC	ND		15.9	11.4	J	ug/Kg		71	54 - 111	0	30
beta-BHC	ND		15.9	13.1	J	ug/Kg		82	53 - 115	20	30
cis-Chlordane	ND		15.9	9.96	J	ug/Kg		62	54 - 113	3	30
delta-BHC	ND		15.9	10.8	J	ug/Kg		68	39 - 124	3	30
Dieldrin	ND		15.9	10.4	J	ug/Kg		65	54 - 117	3	30
Endosulfan I	ND	F1	15.9	6.40	J F1	ug/Kg		40	42 - 118	1	30
Endosulfan II	ND		15.9	8.26	J	ug/Kg		52	48 - 118	4	30
Endosulfan sulfate	ND	F1	15.9	ND	F1	ug/Kg		0	51 - 113	NC	30
Endrin	ND		15.9	10.1	J	ug/Kg		63	58 - 115	2	30
Endrin aldehyde	ND	F1	15.9	ND	F1	ug/Kg		0	40 - 100	NC	30
Endrin ketone	ND		15.9	9.35	J	ug/Kg		59	51 - 118	2	30
trans-Chlordane	ND	F2 F1	15.9	11.2	J F2	ug/Kg		70	55 - 114	98	30
gamma-BHC (Lindane)	ND		15.9	12.3	J	ug/Kg		77	54 - 112	3	30
Heptachlor	ND		15.9	11.5	J	ug/Kg		72	50 - 118	0	30
Heptachlor epoxide	ND		15.9	10.1	J	ug/Kg		64	56 - 113	5	30
Methoxychlor	ND	F1	15.9	ND	F1	ug/Kg		0	52 - 123	NC	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*4*	*S1-*	*46 - 109*
Tetrachloro-m-xylene	*45*	*S1-*	*47 - 107*

Lab Sample ID: MB 320-541586/1-A
Matrix: Solid
Analysis Batch: 544753

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541586

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
Aldrin	ND		1.7	0.14	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
Chlordane (technical)	ND		20	9.4	ug/Kg		11/10/21 11:54	11/21/21 16:43	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 320-541586/1-A
Matrix: Solid
Analysis Batch: 544753

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541586

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
Endrin	ND		1.7	0.20	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/10/21 11:54	11/21/21 16:43	1
Toxaphene	ND		67	22	ug/Kg		11/10/21 11:54	11/21/21 16:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*46 - 109*	*11/10/21 11:54*	*11/21/21 16:43*	*1*
DCB Decachlorobiphenyl	*83*		*46 - 109*	*11/10/21 11:54*	*11/21/21 16:43*	*1*
Tetrachloro-m-xylene	*71*		*47 - 107*	*11/10/21 11:54*	*11/21/21 16:43*	*1*
Tetrachloro-m-xylene	*72*		*47 - 107*	*11/10/21 11:54*	*11/21/21 16:43*	*1*

Lab Sample ID: LCS 320-541586/2-A
Matrix: Solid
Analysis Batch: 544753

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541586

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	13.2		ug/Kg		79	53 - 117
4,4'-DDE	16.7	13.4		ug/Kg		81	58 - 115
4,4'-DDT	16.7	14.3		ug/Kg		86	53 - 128
Aldrin	16.7	13.0		ug/Kg		78	55 - 109
alpha-BHC	16.7	13.2		ug/Kg		79	54 - 111
beta-BHC	16.7	13.2		ug/Kg		79	53 - 115
cis-Chlordane	16.7	12.5		ug/Kg		75	54 - 113
delta-BHC	16.7	13.2		ug/Kg		79	39 - 124
Dieldrin	16.7	13.4		ug/Kg		80	54 - 117
Endosulfan I	16.7	11.0		ug/Kg		66	42 - 118
Endosulfan II	16.7	12.6		ug/Kg		75	48 - 118
Endosulfan sulfate	16.7	13.9		ug/Kg		84	51 - 113
Endrin	16.7	13.5		ug/Kg		81	58 - 115
Endrin aldehyde	16.7	12.7		ug/Kg		76	40 - 100
Endrin ketone	16.7	13.5		ug/Kg		81	51 - 118
trans-Chlordane	16.7	12.5		ug/Kg		75	55 - 114
gamma-BHC (Lindane)	16.7	13.3		ug/Kg		80	54 - 112
Heptachlor	16.7	12.9		ug/Kg		78	50 - 118
Heptachlor epoxide	16.7	12.7		ug/Kg		76	56 - 113
Methoxychlor	16.7	14.0		ug/Kg		84	52 - 123

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 320-541586/2-A
Matrix: Solid
Analysis Batch: 544753

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541586

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	47		46 - 109
Tetrachloro-m-xylene	79		47 - 107

Lab Sample ID: 320-81044-17 MS
Matrix: Solid
Analysis Batch: 544753

Client Sample ID: AOC3-S7G-2
Prep Type: Total/NA
Prep Batch: 541586

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		16.0	10.8		ug/Kg		67	53 - 117
4,4'-DDE	ND		16.0	10.8		ug/Kg		67	58 - 115
4,4'-DDT	ND		16.0	11.3		ug/Kg		71	53 - 128
Aldrin	ND		16.0	10.3		ug/Kg		64	55 - 109
alpha-BHC	ND		16.0	10.1		ug/Kg		63	54 - 111
beta-BHC	ND		16.0	10.5		ug/Kg		66	53 - 115
cis-Chlordane	ND		16.0	10.3		ug/Kg		64	54 - 113
delta-BHC	ND		16.0	9.98		ug/Kg		62	39 - 124
Dieldrin	ND		16.0	10.6		ug/Kg		66	54 - 117
Endosulfan I	ND		16.0	8.31		ug/Kg		52	42 - 118
Endosulfan II	ND		16.0	9.78		ug/Kg		61	48 - 118
Endosulfan sulfate	ND		16.0	10.4		ug/Kg		65	51 - 113
Endrin	ND		16.0	10.8		ug/Kg		67	58 - 115
Endrin aldehyde	ND		16.0	8.65		ug/Kg		54	40 - 100
Endrin ketone	ND		16.0	10.2		ug/Kg		64	51 - 118
trans-Chlordane	ND		16.0	9.79		ug/Kg		61	55 - 114
gamma-BHC (Lindane)	ND		16.0	10.4		ug/Kg		65	54 - 112
Heptachlor	ND		16.0	10.3		ug/Kg		64	50 - 118
Heptachlor epoxide	ND		16.0	10.0		ug/Kg		62	56 - 113
Methoxychlor	ND		16.0	11.0		ug/Kg		69	52 - 123

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	45	S1-	46 - 109
Tetrachloro-m-xylene	68		47 - 107

Lab Sample ID: 320-81044-17 MSD
Matrix: Solid
Analysis Batch: 544753

Client Sample ID: AOC3-S7G-2
Prep Type: Total/NA
Prep Batch: 541586

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		16.2	11.0		ug/Kg		67	53 - 117	2	30
4,4'-DDE	ND		16.2	10.7		ug/Kg		66	58 - 115	1	30
4,4'-DDT	ND		16.2	11.4		ug/Kg		70	53 - 128	1	30
Aldrin	ND		16.2	10.5		ug/Kg		65	55 - 109	2	30
alpha-BHC	ND		16.2	10.2		ug/Kg		63	54 - 111	1	30
beta-BHC	ND		16.2	10.6		ug/Kg		65	53 - 115	0	30
cis-Chlordane	ND		16.2	10.3		ug/Kg		64	54 - 113	0	30
delta-BHC	ND		16.2	10.2		ug/Kg		63	39 - 124	2	30
Dieldrin	ND		16.2	10.7		ug/Kg		66	54 - 117	1	30
Endosulfan I	ND		16.2	8.31		ug/Kg		51	42 - 118	0	30

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 320-81044-17 MSD
Matrix: Solid
Analysis Batch: 544753

Client Sample ID: AOC3-S7G-2
Prep Type: Total/NA
Prep Batch: 541586

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endosulfan II	ND		16.2	9.87		ug/Kg		61	48 - 118	1	30
Endosulfan sulfate	ND		16.2	10.4		ug/Kg		64	51 - 113	0	30
Endrin	ND		16.2	10.8		ug/Kg		67	58 - 115	1	30
Endrin aldehyde	ND		16.2	8.41		ug/Kg		52	40 - 100	3	30
Endrin ketone	ND		16.2	10.3		ug/Kg		63	51 - 118	0	30
trans-Chlordane	ND		16.2	9.90		ug/Kg		61	55 - 114	1	30
gamma-BHC (Lindane)	ND		16.2	10.5		ug/Kg		65	54 - 112	1	30
Heptachlor	ND		16.2	10.6		ug/Kg		65	50 - 118	3	30
Heptachlor epoxide	ND		16.2	10.1		ug/Kg		62	56 - 113	1	30
Methoxychlor	ND		16.2	11.1		ug/Kg		69	52 - 123	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*46*		*46 - 109*
Tetrachloro-m-xylene	*65*		*47 - 107*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 320-541557/1-A
Matrix: Solid
Analysis Batch: 543860

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541557

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.6	ug/Kg		11/10/21 10:52	11/18/21 13:05	1
PCB-1221	ND		33	3.6	ug/Kg		11/10/21 10:52	11/18/21 13:05	1
PCB-1232	ND		33	4.8	ug/Kg		11/10/21 10:52	11/18/21 13:05	1
PCB-1242	ND		33	5.9	ug/Kg		11/10/21 10:52	11/18/21 13:05	1
PCB-1248	ND		33	2.4	ug/Kg		11/10/21 10:52	11/18/21 13:05	1
PCB-1254	ND		33	3.8	ug/Kg		11/10/21 10:52	11/18/21 13:05	1
PCB-1260	ND		33	2.7	ug/Kg		11/10/21 10:52	11/18/21 13:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*52 - 138*	*11/10/21 10:52*	*11/18/21 13:05*	*1*
Tetrachloro-m-xylene	*64*		*56 - 114*	*11/10/21 10:52*	*11/18/21 13:05*	*1*

Lab Sample ID: LCS 320-541557/2-A
Matrix: Solid
Analysis Batch: 543860

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541557

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			66.7	56.4		ug/Kg		85	58 - 124		
PCB-1260			66.7	54.6		ug/Kg		82	55 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*52 - 138*
Tetrachloro-m-xylene	*71*		*56 - 114*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 320-81044-29 MS
Matrix: Solid
Analysis Batch: 543860

Client Sample ID: AOC3-S7I-0.5
Prep Type: Total/NA
Prep Batch: 541557

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND	F1	65.1	33.1	F1	ug/Kg		51	58 - 124
PCB-1260	ND	F1	65.1	28.4	J F1	ug/Kg		44	55 - 138

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*45*	*S1-*	*52 - 138*
Tetrachloro-m-xylene	*49*	*S1-*	*56 - 114*

Lab Sample ID: 320-81044-29 MSD
Matrix: Solid
Analysis Batch: 543860

Client Sample ID: AOC3-S7I-0.5
Prep Type: Total/NA
Prep Batch: 541557

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND	F1	64.0	37.0		ug/Kg		58	58 - 124	11	20
PCB-1260	ND	F1	64.0	29.7	J F1	ug/Kg		46	55 - 138	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*48*	*S1-*	*52 - 138*
Tetrachloro-m-xylene	*55*	*S1-*	*56 - 114*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-193286/1-A
Matrix: Water
Analysis Batch: 193607

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 193286

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.010	0.0058	mg/L		11/10/21 14:08	11/11/21 11:19	1
Arsenic	ND		0.10	0.022	mg/L		11/10/21 14:08	11/11/21 11:19	1
Barium	ND		0.010	0.0016	mg/L		11/10/21 14:08	11/11/21 11:19	1
Beryllium	ND		0.010	0.0026	mg/L		11/10/21 14:08	11/11/21 11:19	1
Cadmium	ND		0.010	0.0012	mg/L		11/10/21 14:08	11/11/21 11:19	1
Cobalt	ND		0.050	0.0023	mg/L		11/10/21 14:08	11/11/21 11:19	1
Chromium	ND		0.050	0.0086	mg/L		11/10/21 14:08	11/11/21 11:19	1
Copper	ND		0.050	0.0085	mg/L		11/10/21 14:08	11/11/21 11:19	1
Molybdenum	ND		0.050	0.024	mg/L		11/10/21 14:08	11/11/21 11:19	1
Nickel	ND		0.050	0.0045	mg/L		11/10/21 14:08	11/11/21 11:19	1
Antimony	ND		0.10	0.021	mg/L		11/10/21 14:08	11/11/21 11:19	1
Selenium	ND		0.10	0.034	mg/L		11/10/21 14:08	11/11/21 11:19	1
Thallium	ND		0.050	0.019	mg/L		11/10/21 14:08	11/11/21 11:19	1
Vanadium	ND		0.010	0.0017	mg/L		11/10/21 14:08	11/11/21 11:19	1
Zinc	ND		0.25	0.014	mg/L		11/10/21 14:08	11/11/21 11:19	1
Lead	ND		0.050	0.0080	mg/L		11/10/21 14:08	11/11/21 11:19	1

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

Lab Sample ID: LCS 570-193286/2-A
Matrix: Water
Analysis Batch: 193607

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 193286

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.250	0.230		mg/L		92	80 - 120
Arsenic	0.500	0.442		mg/L		88	80 - 120
Barium	0.500	0.547		mg/L		109	80 - 120
Beryllium	0.500	0.498		mg/L		100	80 - 120
Cadmium	0.500	0.525		mg/L		105	80 - 120
Cobalt	0.500	0.519		mg/L		104	80 - 120
Chromium	0.500	0.512		mg/L		102	80 - 120
Copper	0.500	0.538		mg/L		108	80 - 120
Molybdenum	0.501	0.493		mg/L		98	80 - 120
Nickel	0.500	0.531		mg/L		106	80 - 120
Antimony	0.500	0.512		mg/L		102	80 - 120
Selenium	0.500	0.482		mg/L		96	80 - 120
Thallium	0.500	0.498		mg/L		100	80 - 120
Vanadium	0.500	0.513		mg/L		103	80 - 120
Zinc	0.500	0.520		mg/L		104	80 - 120
Lead	0.500	0.531		mg/L		106	80 - 120

Lab Sample ID: LCSD 570-193286/3-A
Matrix: Water
Analysis Batch: 193607

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 193286

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	0.250	0.231		mg/L		92	80 - 120	0	20
Arsenic	0.500	0.436		mg/L		87	80 - 120	1	20
Barium	0.500	0.548		mg/L		110	80 - 120	0	20
Beryllium	0.500	0.498		mg/L		100	80 - 120	0	20
Cadmium	0.500	0.521		mg/L		104	80 - 120	1	20
Cobalt	0.500	0.516		mg/L		103	80 - 120	1	20
Chromium	0.500	0.512		mg/L		102	80 - 120	0	20
Copper	0.500	0.541		mg/L		108	80 - 120	1	20
Molybdenum	0.501	0.501		mg/L		100	80 - 120	2	20
Nickel	0.500	0.527		mg/L		105	80 - 120	1	20
Antimony	0.500	0.506		mg/L		101	80 - 120	1	20
Selenium	0.500	0.500		mg/L		100	80 - 120	4	20
Thallium	0.500	0.491		mg/L		98	80 - 120	1	20
Vanadium	0.500	0.515		mg/L		103	80 - 120	0	20
Zinc	0.500	0.515		mg/L		103	80 - 120	1	20
Lead	0.500	0.526		mg/L		105	80 - 120	1	20

Lab Sample ID: MB 320-539936/1-A
Matrix: Solid
Analysis Batch: 540856

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.090	mg/Kg		11/04/21 13:39	11/05/21 10:56	1
Barium	ND		1.0	0.12	mg/Kg		11/04/21 13:39	11/05/21 10:56	1
Beryllium	ND		0.20	0.030	mg/Kg		11/04/21 13:39	11/05/21 10:56	1
Cadmium	ND		0.20	0.030	mg/Kg		11/04/21 13:39	11/05/21 10:56	1
Cobalt	ND		0.50	0.25	mg/Kg		11/04/21 13:39	11/05/21 10:56	1

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

Lab Sample ID: MB 320-539936/1-A
Matrix: Solid
Analysis Batch: 540856

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.154	J	0.50	0.14	mg/Kg		11/04/21 13:39	11/05/21 10:56	1
Copper	0.559	J	1.5	0.22	mg/Kg		11/04/21 13:39	11/05/21 10:56	1
Molybdenum	ND		2.0	0.75	mg/Kg		11/04/21 13:39	11/05/21 10:56	1
Nickel	ND		1.0	0.24	mg/Kg		11/04/21 13:39	11/05/21 10:56	1
Lead	ND		1.0	0.26	mg/Kg		11/04/21 13:39	11/05/21 10:56	1
Selenium	ND		2.0	1.4	mg/Kg		11/04/21 13:39	11/05/21 10:56	1
Antimony	ND		2.0	0.94	mg/Kg		11/04/21 13:39	11/05/21 10:56	1
Thallium	ND		2.0	0.84	mg/Kg		11/04/21 13:39	11/05/21 10:56	1
Vanadium	ND		0.50	0.19	mg/Kg		11/04/21 13:39	11/05/21 10:56	1
Zinc	ND		2.0	0.19	mg/Kg		11/04/21 13:39	11/05/21 10:56	1
Arsenic	ND		2.0	1.3	mg/Kg		11/04/21 13:39	11/05/21 10:56	1

Lab Sample ID: LCS 320-539936/2-A
Matrix: Solid
Analysis Batch: 540856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	5.05	4.60		mg/Kg		91	80 - 120
Barium	50.0	46.1		mg/Kg		92	80 - 120
Beryllium	25.0	22.5		mg/Kg		90	80 - 120
Cadmium	25.0	22.6		mg/Kg		90	80 - 120
Cobalt	25.0	22.5		mg/Kg		90	80 - 120
Chromium	25.0	22.7		mg/Kg		91	80 - 120
Copper	25.0	22.2		mg/Kg		89	80 - 120
Molybdenum	25.0	22.2		mg/Kg		89	80 - 120
Nickel	25.0	22.3		mg/Kg		89	80 - 120
Lead	25.0	22.5		mg/Kg		90	80 - 120
Selenium	50.0	42.8		mg/Kg		85	80 - 120
Antimony	50.0	44.6		mg/Kg		89	80 - 120
Thallium	50.0	43.5		mg/Kg		87	80 - 120
Vanadium	25.0	22.4		mg/Kg		90	80 - 120
Zinc	49.9	47.7		mg/Kg		96	80 - 120
Arsenic	50.0	43.3		mg/Kg		87	80 - 120

Lab Sample ID: 320-81044-1 MS
Matrix: Solid
Analysis Batch: 540856

Client Sample ID: AOC3-S1I-0.5
Prep Type: Total/NA
Prep Batch: 539936

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND	F1	5.00	4.27		mg/Kg		85	80 - 120
Barium	210		49.5	153	4	mg/Kg		-122	80 - 120
Beryllium	0.45		24.8	22.6		mg/Kg		89	80 - 120
Cadmium	0.18	J	24.8	22.4		mg/Kg		90	80 - 120
Cobalt	4.9		24.8	26.9		mg/Kg		89	80 - 120
Chromium	24	B	24.8	50.8		mg/Kg		109	80 - 120
Copper	17	F1 B	24.7	37.3		mg/Kg		81	80 - 120
Molybdenum	ND		24.8	21.9		mg/Kg		88	80 - 120
Nickel	17		24.8	41.8		mg/Kg		100	80 - 120
Lead	260		24.8	294	4	mg/Kg		148	80 - 120

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

Lab Sample ID: 320-81044-1 MS
Matrix: Solid
Analysis Batch: 540856

Client Sample ID: AOC3-S1I-0.5
Prep Type: Total/NA
Prep Batch: 539936

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	ND		49.5	43.5		mg/Kg		88	80 - 120
Antimony	9.2	F1	49.5	38.7	F1	mg/Kg		60	80 - 120
Thallium	ND		49.5	43.2		mg/Kg		87	80 - 120
Vanadium	19		24.8	46.3		mg/Kg		109	80 - 120
Zinc	85	F1	49.4	131		mg/Kg		93	80 - 120
Arsenic	3.7		49.5	46.3		mg/Kg		86	80 - 120

Lab Sample ID: 320-81044-1 MSD
Matrix: Solid
Analysis Batch: 540856

Client Sample ID: AOC3-S1I-0.5
Prep Type: Total/NA
Prep Batch: 539936

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND	F1	4.86	3.82	F1	mg/Kg		79	80 - 120	11	35
Barium	210		48.1	136	4	mg/Kg		-161	80 - 120	12	35
Beryllium	0.45		24.0	20.4		mg/Kg		83	80 - 120	10	35
Cadmium	0.18	J	24.0	20.4		mg/Kg		84	80 - 120	9	35
Cobalt	4.9		24.0	24.7		mg/Kg		82	80 - 120	9	35
Chromium	24	B	24.0	44.8		mg/Kg		87	80 - 120	13	35
Copper	17	F1 B	24.0	34.3	F1	mg/Kg		71	80 - 120	8	35
Molybdenum	ND		24.0	20.0		mg/Kg		83	80 - 120	9	35
Nickel	17		24.0	38.3		mg/Kg		88	80 - 120	9	35
Lead	260		24.0	236	4	mg/Kg		-88	80 - 120	22	35
Selenium	ND		48.1	39.0		mg/Kg		81	80 - 120	11	35
Antimony	9.2	F1	48.0	35.1	F1	mg/Kg		54	80 - 120	10	35
Thallium	ND		48.1	39.2		mg/Kg		81	80 - 120	10	35
Vanadium	19		24.0	41.8		mg/Kg		94	80 - 120	10	35
Zinc	85	F1	48.0	113	F1	mg/Kg		57	80 - 120	15	35
Arsenic	3.7		48.1	42.3		mg/Kg		80	80 - 120	9	35

Lab Sample ID: MB 320-539961/1-A
Matrix: Solid
Analysis Batch: 540322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539961

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.26	mg/Kg		11/04/21 13:39	11/05/21 09:49	1
Arsenic	ND		2.0	1.3	mg/Kg		11/04/21 13:39	11/05/21 09:49	1

Lab Sample ID: LCS 320-539961/2-A
Matrix: Solid
Analysis Batch: 540322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539961

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	25.0	22.9		mg/Kg		92	80 - 120
Arsenic	50.0	42.8		mg/Kg		86	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 570-193769/1-A
Matrix: Water
Analysis Batch: 193866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 193769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00050	0.00014	mg/L		11/12/21 06:21	11/12/21 12:30	1

Lab Sample ID: LCS 570-193769/2-A
Matrix: Water
Analysis Batch: 193866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 193769

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0100	0.00993		mg/L		99	80 - 120

Lab Sample ID: LCSD 570-193769/3-A
Matrix: Water
Analysis Batch: 193866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 193769

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0100	0.00986		mg/L		99	80 - 120	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-193629/1-A
Matrix: Solid
Analysis Batch: 193866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 193629

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.083	0.014	mg/Kg		11/11/21 16:15	11/12/21 12:56	1

Lab Sample ID: LCS 570-193629/2-A
Matrix: Solid
Analysis Batch: 193866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 193629

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.843		mg/Kg		101	85 - 121

Lab Sample ID: LCSD 570-193629/3-A
Matrix: Solid
Analysis Batch: 193866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 193629

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.794	0.818		mg/Kg		103	85 - 121	3	10

Lab Sample ID: MB 570-193755/1-A
Matrix: Solid
Analysis Batch: 193866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 193755

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.083	0.014	mg/Kg		11/12/21 05:53	11/12/21 11:15	1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 570-193755/2-A
Matrix: Solid
Analysis Batch: 193866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 193755

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.820	0.781		mg/Kg		95	85 - 121		

Lab Sample ID: LCSD 570-193755/3-A
Matrix: Solid
Analysis Batch: 193866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 193755

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.833	0.811		mg/Kg		97	85 - 121	4	10

GC Semi VOA

Prep Batch: 540231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-31	EB10292021	Total/NA	Water	3510C	
MB 320-540231/1-A	Method Blank	Total/NA	Water	3510C	
LCS 320-540231/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 320-540231/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 541359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-2	AOC3-S1I-2	Total/NA	Solid	3546	
320-81044-4	AOC3-S2I-2	Total/NA	Solid	3546	
320-81044-7	AOC3-S6I-2	Total/NA	Solid	3546	
320-81044-9	AOC3-S8F-2	Total/NA	Solid	3546	
320-81044-11	AOC3-S9G-2	Total/NA	Solid	3546	
320-81044-13	AOC3-S7F-2	Total/NA	Solid	3546	
320-81044-15	AOC3-S8G-2	Total/NA	Solid	3546	
MB 320-541359/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-541359/2-A	Lab Control Sample	Total/NA	Solid	3546	

Prep Batch: 541556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-1	AOC3-S1I-0.5	Total/NA	Solid	3546	
320-81044-3	AOC3-S2I-0.5	Total/NA	Solid	3546	
320-81044-5	AOC3-S6I-0.5	Total/NA	Solid	3546	
320-81044-6	AOC3-S6I-0.5-DUP	Total/NA	Solid	3546	
320-81044-8	AOC3-S8F-0.5	Total/NA	Solid	3546	
320-81044-10	AOC3-S9G-0.5	Total/NA	Solid	3546	
320-81044-12	AOC3-S7F-0.5	Total/NA	Solid	3546	
320-81044-14	AOC3-S8G-0.5	Total/NA	Solid	3546	
320-81044-16	AOC3-S7G-0.5	Total/NA	Solid	3546	
320-81044-18	AOC3/AOC8-S6H-0.5	Total/NA	Solid	3546	
320-81044-20	AOC3-S7H-0.5	Total/NA	Solid	3546	
320-81044-22	AOC3-S8H-0.5	Total/NA	Solid	3546	
320-81044-24	AOC3/AOC8-S9I-0.5	Total/NA	Solid	3546	
320-81044-25	AOC3/AOC8-S9I-0.5 DUP	Total/NA	Solid	3546	
320-81044-27	AOC3-S8H-0.5	Total/NA	Solid	3546	
320-81044-29	AOC3-S7I-0.5	Total/NA	Solid	3546	
MB 320-541556/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-541556/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-81044-27 MS	AOC3-S8H-0.5	Total/NA	Solid	3546	
320-81044-27 MSD	AOC3-S8H-0.5	Total/NA	Solid	3546	

Prep Batch: 541557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-1	AOC3-S1I-0.5	Total/NA	Solid	3546	
320-81044-3	AOC3-S2I-0.5	Total/NA	Solid	3546	
320-81044-5	AOC3-S6I-0.5	Total/NA	Solid	3546	
320-81044-6	AOC3-S6I-0.5-DUP	Total/NA	Solid	3546	
320-81044-8	AOC3-S8F-0.5	Total/NA	Solid	3546	
320-81044-10	AOC3-S9G-0.5	Total/NA	Solid	3546	
320-81044-12	AOC3-S7F-0.5	Total/NA	Solid	3546	
320-81044-14	AOC3-S8G-0.5	Total/NA	Solid	3546	
320-81044-16	AOC3-S7G-0.5	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 541557 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-18	AOC3/AOC8-S6H-0.5	Total/NA	Solid	3546	
320-81044-20	AOC3-S7H-0.5	Total/NA	Solid	3546	
320-81044-22	AOC3-S8H-0.5	Total/NA	Solid	3546	
320-81044-24	AOC3/AOC8-S9I-0.5	Total/NA	Solid	3546	
320-81044-25	AOC3/AOC8-S9I-0.5 DUP	Total/NA	Solid	3546	
320-81044-27	AOC3-S8H-0.5	Total/NA	Solid	3546	
320-81044-29	AOC3-S7I-0.5	Total/NA	Solid	3546	
MB 320-541557/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-541557/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-81044-29 MS	AOC3-S7I-0.5	Total/NA	Solid	3546	
320-81044-29 MSD	AOC3-S7I-0.5	Total/NA	Solid	3546	

Prep Batch: 541586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-17	AOC3-S7G-2	Total/NA	Solid	3546	
320-81044-19	AOC3/AOC8-S6H-2	Total/NA	Solid	3546	
320-81044-21	AOC3-S7H-2	Total/NA	Solid	3546	
320-81044-23	AOC3-S8H-2	Total/NA	Solid	3546	
320-81044-26	AOC3/AOC8-S9I-2	Total/NA	Solid	3546	
320-81044-28	AOC3-S8H-2	Total/NA	Solid	3546	
320-81044-30	AOC3-S7I-2	Total/NA	Solid	3546	
MB 320-541586/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-541586/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-81044-17 MS	AOC3-S7G-2	Total/NA	Solid	3546	
320-81044-17 MSD	AOC3-S7G-2	Total/NA	Solid	3546	

Analysis Batch: 542188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-31	EB10292021	Total/NA	Water	8081A	540231
MB 320-540231/1-A	Method Blank	Total/NA	Water	8081A	540231
LCS 320-540231/2-A	Lab Control Sample	Total/NA	Water	8081A	540231
LCSD 320-540231/3-A	Lab Control Sample Dup	Total/NA	Water	8081A	540231

Analysis Batch: 543860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-1	AOC3-S1I-0.5	Total/NA	Solid	8082	541557
320-81044-3	AOC3-S2I-0.5	Total/NA	Solid	8082	541557
320-81044-5	AOC3-S6I-0.5	Total/NA	Solid	8082	541557
320-81044-6	AOC3-S6I-0.5-DUP	Total/NA	Solid	8082	541557
320-81044-8	AOC3-S8F-0.5	Total/NA	Solid	8082	541557
320-81044-10	AOC3-S9G-0.5	Total/NA	Solid	8082	541557
320-81044-12	AOC3-S7F-0.5	Total/NA	Solid	8082	541557
320-81044-14	AOC3-S8G-0.5	Total/NA	Solid	8082	541557
320-81044-16	AOC3-S7G-0.5	Total/NA	Solid	8082	541557
320-81044-18	AOC3/AOC8-S6H-0.5	Total/NA	Solid	8082	541557
320-81044-20	AOC3-S7H-0.5	Total/NA	Solid	8082	541557
320-81044-22	AOC3-S8H-0.5	Total/NA	Solid	8082	541557
320-81044-24	AOC3/AOC8-S9I-0.5	Total/NA	Solid	8082	541557
320-81044-25	AOC3/AOC8-S9I-0.5 DUP	Total/NA	Solid	8082	541557
320-81044-27	AOC3-S8H-0.5	Total/NA	Solid	8082	541557
320-81044-29	AOC3-S7I-0.5	Total/NA	Solid	8082	541557

GC Semi VOA (Continued)

Analysis Batch: 543860 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-541557/1-A	Method Blank	Total/NA	Solid	8082	541557
LCS 320-541557/2-A	Lab Control Sample	Total/NA	Solid	8082	541557
320-81044-29 MS	AOC3-S7I-0.5	Total/NA	Solid	8082	541557
320-81044-29 MSD	AOC3-S7I-0.5	Total/NA	Solid	8082	541557

Analysis Batch: 544089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-541359/1-A	Method Blank	Total/NA	Solid	8081A	541359
LCS 320-541359/2-A	Lab Control Sample	Total/NA	Solid	8081A	541359

Analysis Batch: 544753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-2	AOC3-S1I-2	Total/NA	Solid	8081A	541359
320-81044-4	AOC3-S2I-2	Total/NA	Solid	8081A	541359
320-81044-7	AOC3-S6I-2	Total/NA	Solid	8081A	541359
320-81044-9	AOC3-S8F-2	Total/NA	Solid	8081A	541359
320-81044-11	AOC3-S9G-2	Total/NA	Solid	8081A	541359
320-81044-13	AOC3-S7F-2	Total/NA	Solid	8081A	541359
320-81044-15	AOC3-S8G-2	Total/NA	Solid	8081A	541359
320-81044-17	AOC3-S7G-2	Total/NA	Solid	8081A	541586
320-81044-19	AOC3/AOC8-S6H-2	Total/NA	Solid	8081A	541586
320-81044-21	AOC3-S7H-2	Total/NA	Solid	8081A	541586
320-81044-23	AOC3-S8H-2	Total/NA	Solid	8081A	541586
320-81044-26	AOC3/AOC8-S9I-2	Total/NA	Solid	8081A	541586
320-81044-28	AOC3-S8H-2	Total/NA	Solid	8081A	541586
320-81044-30	AOC3-S7I-2	Total/NA	Solid	8081A	541586
MB 320-541586/1-A	Method Blank	Total/NA	Solid	8081A	541586
LCS 320-541586/2-A	Lab Control Sample	Total/NA	Solid	8081A	541586
320-81044-17 MS	AOC3-S7G-2	Total/NA	Solid	8081A	541586
320-81044-17 MSD	AOC3-S7G-2	Total/NA	Solid	8081A	541586

Analysis Batch: 544910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-1	AOC3-S1I-0.5	Total/NA	Solid	8081A	541556
320-81044-3	AOC3-S2I-0.5	Total/NA	Solid	8081A	541556
320-81044-5	AOC3-S6I-0.5	Total/NA	Solid	8081A	541556
320-81044-6	AOC3-S6I-0.5-DUP	Total/NA	Solid	8081A	541556
320-81044-8	AOC3-S8F-0.5	Total/NA	Solid	8081A	541556
320-81044-10	AOC3-S9G-0.5	Total/NA	Solid	8081A	541556
320-81044-12	AOC3-S7F-0.5	Total/NA	Solid	8081A	541556
320-81044-14	AOC3-S8G-0.5	Total/NA	Solid	8081A	541556
320-81044-16	AOC3-S7G-0.5	Total/NA	Solid	8081A	541556
320-81044-18	AOC3/AOC8-S6H-0.5	Total/NA	Solid	8081A	541556
320-81044-20	AOC3-S7H-0.5	Total/NA	Solid	8081A	541556
320-81044-22	AOC3-S8H-0.5	Total/NA	Solid	8081A	541556
MB 320-541556/1-A	Method Blank	Total/NA	Solid	8081A	541556
LCS 320-541556/2-A	Lab Control Sample	Total/NA	Solid	8081A	541556

Analysis Batch: 545312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-24	AOC3/AOC8-S9I-0.5	Total/NA	Solid	8081A	541556

GC Semi VOA (Continued)

Analysis Batch: 545312 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-25	AOC3/AOC8-S9I-0.5 DUP	Total/NA	Solid	8081A	541556
320-81044-27	AOC3-S8H-0.5	Total/NA	Solid	8081A	541556
320-81044-29	AOC3-S7I-0.5	Total/NA	Solid	8081A	541556
320-81044-27 MS	AOC3-S8H-0.5	Total/NA	Solid	8081A	541556
320-81044-27 MSD	AOC3-S8H-0.5	Total/NA	Solid	8081A	541556

Metals

Prep Batch: 193286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-31	EB10292021	Total/NA	Water	3010A	
MB 570-193286/1-A	Method Blank	Total/NA	Water	3010A	
LCS 570-193286/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 570-193286/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 193607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-193286/1-A	Method Blank	Total/NA	Water	6010B	193286
LCS 570-193286/2-A	Lab Control Sample	Total/NA	Water	6010B	193286
LCSD 570-193286/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	193286

Prep Batch: 193629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-25	AOC3/AOC8-S9I-0.5 DUP	Total/NA	Solid	7471A	
MB 570-193629/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-193629/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-193629/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Prep Batch: 193755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-5	AOC3-S6I-0.5	Total/NA	Solid	7471A	
320-81044-6	AOC3-S6I-0.5-DUP	Total/NA	Solid	7471A	
320-81044-20	AOC3-S7H-0.5	Total/NA	Solid	7471A	
320-81044-24	AOC3/AOC8-S9I-0.5	Total/NA	Solid	7471A	
MB 570-193755/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-193755/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-193755/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Prep Batch: 193769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-31	EB10292021	Total/NA	Water	7470A	
MB 570-193769/1-A	Method Blank	Total/NA	Water	7470A	
LCS 570-193769/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 570-193769/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Analysis Batch: 193866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-5	AOC3-S6I-0.5	Total/NA	Solid	7471A	193755
320-81044-6	AOC3-S6I-0.5-DUP	Total/NA	Solid	7471A	193755
320-81044-20	AOC3-S7H-0.5	Total/NA	Solid	7471A	193755
320-81044-24	AOC3/AOC8-S9I-0.5	Total/NA	Solid	7471A	193755

Metals (Continued)

Analysis Batch: 193866 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-25	AOC3/AOC8-S9I-0.5 DUP	Total/NA	Solid	7471A	193629
320-81044-31	EB10292021	Total/NA	Water	7470A	193769
MB 570-193629/1-A	Method Blank	Total/NA	Solid	7471A	193629
MB 570-193755/1-A	Method Blank	Total/NA	Solid	7471A	193755
MB 570-193769/1-A	Method Blank	Total/NA	Water	7470A	193769
LCS 570-193629/2-A	Lab Control Sample	Total/NA	Solid	7471A	193629
LCS 570-193755/2-A	Lab Control Sample	Total/NA	Solid	7471A	193755
LCS 570-193769/2-A	Lab Control Sample	Total/NA	Water	7470A	193769
LCSD 570-193629/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	193629
LCSD 570-193755/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	193755
LCSD 570-193769/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	193769

Analysis Batch: 193907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-31	EB10292021	Total/NA	Water	6010B	193286

Prep Batch: 539936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-1	AOC3-S1I-0.5	Total/NA	Solid	3050B	
320-81044-3	AOC3-S2I-0.5	Total/NA	Solid	3050B	
320-81044-5	AOC3-S6I-0.5	Total/NA	Solid	3050B	
320-81044-6	AOC3-S6I-0.5-DUP	Total/NA	Solid	3050B	
320-81044-8	AOC3-S8F-0.5	Total/NA	Solid	3050B	
320-81044-10	AOC3-S9G-0.5	Total/NA	Solid	3050B	
320-81044-12	AOC3-S7F-0.5	Total/NA	Solid	3050B	
320-81044-14	AOC3-S8G-0.5	Total/NA	Solid	3050B	
320-81044-16	AOC3-S7G-0.5	Total/NA	Solid	3050B	
320-81044-18	AOC3/AOC8-S6H-0.5	Total/NA	Solid	3050B	
320-81044-20	AOC3-S7H-0.5	Total/NA	Solid	3050B	
320-81044-22	AOC3-S8H-0.5	Total/NA	Solid	3050B	
320-81044-24	AOC3/AOC8-S9I-0.5	Total/NA	Solid	3050B	
320-81044-25	AOC3/AOC8-S9I-0.5 DUP	Total/NA	Solid	3050B	
320-81044-27	AOC3-S8H-0.5	Total/NA	Solid	3050B	
MB 320-539936/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-539936/2-A	Lab Control Sample	Total/NA	Solid	3050B	
320-81044-1 MS	AOC3-S1I-0.5	Total/NA	Solid	3050B	
320-81044-1 MSD	AOC3-S1I-0.5	Total/NA	Solid	3050B	

Prep Batch: 539961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-29	AOC3-S7I-0.5	Total/NA	Solid	3050B	
MB 320-539961/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-539961/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 540322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-29	AOC3-S7I-0.5	Total/NA	Solid	6010B	539961
MB 320-539961/1-A	Method Blank	Total/NA	Solid	6010B	539961
LCS 320-539961/2-A	Lab Control Sample	Total/NA	Solid	6010B	539961

QC Association Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Metals

Analysis Batch: 540856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-1	AOC3-S1I-0.5	Total/NA	Solid	6010B	539936
320-81044-3	AOC3-S2I-0.5	Total/NA	Solid	6010B	539936
320-81044-5	AOC3-S6I-0.5	Total/NA	Solid	6010B	539936
320-81044-6	AOC3-S6I-0.5-DUP	Total/NA	Solid	6010B	539936
320-81044-8	AOC3-S8F-0.5	Total/NA	Solid	6010B	539936
320-81044-10	AOC3-S9G-0.5	Total/NA	Solid	6010B	539936
320-81044-12	AOC3-S7F-0.5	Total/NA	Solid	6010B	539936
320-81044-14	AOC3-S8G-0.5	Total/NA	Solid	6010B	539936
320-81044-16	AOC3-S7G-0.5	Total/NA	Solid	6010B	539936
320-81044-18	AOC3/AOC8-S6H-0.5	Total/NA	Solid	6010B	539936
320-81044-20	AOC3-S7H-0.5	Total/NA	Solid	6010B	539936
320-81044-22	AOC3-S8H-0.5	Total/NA	Solid	6010B	539936
320-81044-24	AOC3/AOC8-S9I-0.5	Total/NA	Solid	6010B	539936
320-81044-25	AOC3/AOC8-S9I-0.5 DUP	Total/NA	Solid	6010B	539936
320-81044-27	AOC3-S8H-0.5	Total/NA	Solid	6010B	539936
MB 320-539936/1-A	Method Blank	Total/NA	Solid	6010B	539936
LCS 320-539936/2-A	Lab Control Sample	Total/NA	Solid	6010B	539936
320-81044-1 MS	AOC3-S1I-0.5	Total/NA	Solid	6010B	539936
320-81044-1 MSD	AOC3-S1I-0.5	Total/NA	Solid	6010B	539936

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S1I-0.5
Date Collected: 10/29/21 08:38
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-1
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	3546			15.00 g	5 mL	541556	11/10/21 10:47	TL	TAL SAC
Total/NA	Analysis	8081A		10			544910	11/22/21 20:54	K1D	TAL SAC
Total/NA	Prep	3546			15.00 g	5 mL	541557	11/10/21 10:52	TL	TAL SAC
Total/NA	Analysis	8082		1			543860	11/18/21 13:45	K1D	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	539936	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			540856	11/05/21 11:03	GSH	TAL SAC

Client Sample ID: AOC3-S1I-2
Date Collected: 10/29/21 08:40
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-2
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	3546			15.66 g	5 mL	541359	11/09/21 14:45	PT	TAL SAC
Total/NA	Analysis	8081A		1			544753	11/21/21 22:23	AO	TAL SAC

Client Sample ID: AOC3-S2I-0.5
Date Collected: 10/29/21 08:41
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-3
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	3546			15.52 g	5 mL	541556	11/10/21 10:47	TL	TAL SAC
Total/NA	Analysis	8081A		50			544910	11/22/21 21:13	K1D	TAL SAC
Total/NA	Prep	3546			15.52 g	5 mL	541557	11/10/21 10:52	TL	TAL SAC
Total/NA	Analysis	8082		5			543860	11/18/21 14:05	K1D	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	539936	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			540856	11/05/21 11:21	GSH	TAL SAC

Client Sample ID: AOC3-S2I-2
Date Collected: 10/29/21 08:42
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-4
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	3546			15.46 g	5 mL	541359	11/09/21 14:45	PT	TAL SAC
Total/NA	Analysis	8081A		1			544753	11/21/21 22:42	AO	TAL SAC

Client Sample ID: AOC3-S6I-0.5
Date Collected: 10/29/21 09:02
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-5
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	3546			15.04 g	5 mL	541556	11/10/21 10:47	TL	TAL SAC
Total/NA	Analysis	8081A		20			544910	11/22/21 21:32	K1D	TAL SAC
Total/NA	Prep	3546			15.04 g	5 mL	541557	11/10/21 10:52	TL	TAL SAC
Total/NA	Analysis	8082		1			543860	11/18/21 14:25	K1D	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	539936	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			540856	11/05/21 11:25	GSH	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S6I-0.5

Lab Sample ID: 320-81044-5
Date Collected: 10/29/21 09:02
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			.62 g	100 mL	193755	11/12/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			193866	11/12/21 11:46	VWJ7	ECL 1

Client Sample ID: AOC3-S6I-0.5-DUP

Lab Sample ID: 320-81044-6
Date Collected: 10/29/21 09:02
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.17 g	5 mL	541556	11/10/21 10:47	TL	TAL SAC
Total/NA	Analysis	8081A		20			544910	11/22/21 21:51	K1D	TAL SAC
Total/NA	Prep	3546			15.17 g	5 mL	541557	11/10/21 10:52	TL	TAL SAC
Total/NA	Analysis	8082		1			543860	11/18/21 14:45	K1D	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	539936	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			540856	11/05/21 11:29	GSH	TAL SAC
Total/NA	Prep	7471A			.60 g	100 mL	193755	11/12/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			193866	11/12/21 11:48	VWJ7	ECL 1

Client Sample ID: AOC3-S6I-2

Lab Sample ID: 320-81044-7
Date Collected: 10/29/21 09:05
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.81 g	5 mL	541359	11/09/21 14:45	PT	TAL SAC
Total/NA	Analysis	8081A		1			544753	11/21/21 23:01	AO	TAL SAC

Client Sample ID: AOC3-S8F-0.5

Lab Sample ID: 320-81044-8
Date Collected: 10/29/21 09:32
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.23 g	5 mL	541556	11/10/21 10:47	TL	TAL SAC
Total/NA	Analysis	8081A		10			544910	11/22/21 22:10	K1D	TAL SAC
Total/NA	Prep	3546			15.23 g	5 mL	541557	11/10/21 10:52	TL	TAL SAC
Total/NA	Analysis	8082		1			543860	11/18/21 15:05	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	539936	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			540856	11/05/21 11:40	GSH	TAL SAC

Client Sample ID: AOC3-S8F-2

Lab Sample ID: 320-81044-9
Date Collected: 10/29/21 09:33
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.66 g	5 mL	541359	11/09/21 14:45	PT	TAL SAC
Total/NA	Analysis	8081A		1			544753	11/21/21 23:20	AO	TAL SAC

Client Sample ID: AOC3-S9G-0.5

Lab Sample ID: 320-81044-10

Date Collected: 10/29/21 09:36

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.45 g	5 mL	541556	11/10/21 10:47	TL	TAL SAC
Total/NA	Analysis	8081A		5			544910	11/22/21 22:29	K1D	TAL SAC
Total/NA	Prep	3546			15.45 g	5 mL	541557	11/10/21 10:52	TL	TAL SAC
Total/NA	Analysis	8082		1			543860	11/18/21 15:25	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	539936	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			540856	11/05/21 11:44	GSH	TAL SAC

Client Sample ID: AOC3-S9G-2

Lab Sample ID: 320-81044-11

Date Collected: 10/29/21 09:37

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.48 g	5 mL	541359	11/09/21 14:45	PT	TAL SAC
Total/NA	Analysis	8081A		1			544753	11/21/21 23:39	AO	TAL SAC

Client Sample ID: AOC3-S7F-0.5

Lab Sample ID: 320-81044-12

Date Collected: 10/29/21 10:17

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.42 g	5 mL	541556	11/10/21 10:47	TL	TAL SAC
Total/NA	Analysis	8081A		20			544910	11/22/21 22:48	K1D	TAL SAC
Total/NA	Prep	3546			15.42 g	5 mL	541557	11/10/21 10:52	TL	TAL SAC
Total/NA	Analysis	8082		1			543860	11/18/21 15:45	K1D	TAL SAC
Total/NA	Prep	3050B			1.04 g	100 mL	539936	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			540856	11/05/21 11:47	GSH	TAL SAC

Client Sample ID: AOC3-S7F-2

Lab Sample ID: 320-81044-13

Date Collected: 10/29/21 10:19

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.83 g	5 mL	541359	11/09/21 14:45	PT	TAL SAC
Total/NA	Analysis	8081A		10			544753	11/21/21 23:58	AO	TAL SAC

Client Sample ID: AOC3-S8G-0.5

Lab Sample ID: 320-81044-14

Date Collected: 10/29/21 10:21

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.48 g	5 mL	541556	11/10/21 10:47	TL	TAL SAC
Total/NA	Analysis	8081A		20			544910	11/22/21 23:06	K1D	TAL SAC
Total/NA	Prep	3546			15.48 g	5 mL	541557	11/10/21 10:52	TL	TAL SAC
Total/NA	Analysis	8082		1			543860	11/18/21 16:05	K1D	TAL SAC
Total/NA	Prep	3050B			1.04 g	100 mL	539936	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			540856	11/05/21 11:51	GSH	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S8G-2

Lab Sample ID: 320-81044-15
Date Collected: 10/29/21 10:22
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.22 g	5 mL	541359	11/09/21 14:45	PT	TAL SAC
Total/NA	Analysis	8081A		10			544753	11/22/21 00:17	AO	TAL SAC

Client Sample ID: AOC3-S7G-0.5

Lab Sample ID: 320-81044-16
Date Collected: 10/29/21 10:31
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.53 g	5 mL	541556	11/10/21 10:47	TL	TAL SAC
Total/NA	Analysis	8081A		20			544910	11/22/21 23:25	K1D	TAL SAC
Total/NA	Prep	3546			15.53 g	5 mL	541557	11/10/21 10:52	TL	TAL SAC
Total/NA	Analysis	8082		1			543860	11/18/21 16:25	K1D	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	539936	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			540856	11/05/21 11:55	GSH	TAL SAC

Client Sample ID: AOC3-S7G-2

Lab Sample ID: 320-81044-17
Date Collected: 10/29/21 10:32
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.69 g	5 mL	541586	11/10/21 11:54	SJ	TAL SAC
Total/NA	Analysis	8081A		1			544753	11/21/21 17:40	AO	TAL SAC

Client Sample ID: AOC3/AOC8-S6H-0.5

Lab Sample ID: 320-81044-18
Date Collected: 10/29/21 10:55
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.75 g	5 mL	541556	11/10/21 10:47	TL	TAL SAC
Total/NA	Analysis	8081A		20			544910	11/22/21 23:44	K1D	TAL SAC
Total/NA	Prep	3546			15.75 g	5 mL	541557	11/10/21 10:52	TL	TAL SAC
Total/NA	Analysis	8082		1			543860	11/18/21 16:45	K1D	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	539936	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			540856	11/05/21 11:58	GSH	TAL SAC

Client Sample ID: AOC3/AOC8-S6H-2

Lab Sample ID: 320-81044-19
Date Collected: 10/29/21 10:56
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.61 g	5 mL	541586	11/10/21 11:54	SJ	TAL SAC
Total/NA	Analysis	8081A		1			544753	11/21/21 18:37	AO	TAL SAC

Client Sample ID: AOC3-S7H-0.5

Lab Sample ID: 320-81044-20

Date Collected: 10/29/21 10:57

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.22 g	5 mL	541556	11/10/21 10:47	TL	TAL SAC
Total/NA	Analysis	8081A		5			544910	11/23/21 00:03	K1D	TAL SAC
Total/NA	Prep	3546			15.22 g	5 mL	541557	11/10/21 10:52	TL	TAL SAC
Total/NA	Analysis	8082		1			543860	11/18/21 17:05	K1D	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	539936	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			540856	11/05/21 12:02	GSH	TAL SAC
Total/NA	Prep	7471A			.59 g	100 mL	193755	11/12/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			193866	11/12/21 11:50	VWJ7	ECL 1

Client Sample ID: AOC3-S7H-2

Lab Sample ID: 320-81044-21

Date Collected: 10/29/21 10:58

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.50 g	5 mL	541586	11/10/21 11:54	SJ	TAL SAC
Total/NA	Analysis	8081A		1			544753	11/21/21 18:55	AO	TAL SAC

Client Sample ID: AOC3-S8H-0.5

Lab Sample ID: 320-81044-22

Date Collected: 10/29/21 10:59

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.97 g	5 mL	541556	11/10/21 10:47	TL	TAL SAC
Total/NA	Analysis	8081A		20			544910	11/23/21 00:22	K1D	TAL SAC
Total/NA	Prep	3546			15.97 g	5 mL	541557	11/10/21 10:52	TL	TAL SAC
Total/NA	Analysis	8082		1			543860	11/18/21 17:25	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	539936	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			540856	11/05/21 12:06	GSH	TAL SAC

Client Sample ID: AOC3-S8H-2

Lab Sample ID: 320-81044-23

Date Collected: 10/29/21 11:00

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.31 g	5 mL	541586	11/10/21 11:54	SJ	TAL SAC
Total/NA	Analysis	8081A		1			544753	11/21/21 19:14	AO	TAL SAC

Client Sample ID: AOC3/AOC8-S9I-0.5

Lab Sample ID: 320-81044-24

Date Collected: 10/29/21 11:14

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.04 g	5 mL	541556	11/10/21 10:47	TL	TAL SAC
Total/NA	Analysis	8081A		10			545312	11/23/21 21:06	K1D	TAL SAC
Total/NA	Prep	3546			15.04 g	5 mL	541557	11/10/21 10:52	TL	TAL SAC
Total/NA	Analysis	8082		1			543860	11/18/21 17:45	K1D	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3/AOC8-S9I-0.5

Lab Sample ID: 320-81044-24
Date Collected: 10/29/21 11:14
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.01 g	100 mL	539936	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			540856	11/05/21 12:09	GSH	TAL SAC
Total/NA	Prep	7471A			.61 g	100 mL	193755	11/12/21 05:53	WL8G	ECL 1
Total/NA	Analysis	7471A		1			193866	11/12/21 11:52	VWJ7	ECL 1

Client Sample ID: AOC3/AOC8-S9I-0.5 DUP

Lab Sample ID: 320-81044-25
Date Collected: 10/29/21 11:14
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.77 g	5 mL	541556	11/10/21 10:47	TL	TAL SAC
Total/NA	Analysis	8081A		10			545312	11/23/21 21:25	K1D	TAL SAC
Total/NA	Prep	3546			15.77 g	5 mL	541557	11/10/21 10:52	TL	TAL SAC
Total/NA	Analysis	8082		1			543860	11/18/21 18:05	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	539936	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			540856	11/05/21 12:13	GSH	TAL SAC
Total/NA	Prep	7471A			0.60 g	100 mL	193629	11/11/21 16:15	WL8G	ECL 1
Total/NA	Analysis	7471A		1			193866	11/12/21 13:41	VWJ7	ECL 1

Client Sample ID: AOC3/AOC8-S9I-2

Lab Sample ID: 320-81044-26
Date Collected: 10/29/21 11:15
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.72 g	5 mL	541586	11/10/21 11:54	SJ	TAL SAC
Total/NA	Analysis	8081A		2			544753	11/21/21 19:33	AO	TAL SAC

Client Sample ID: AOC3-S8H-0.5

Lab Sample ID: 320-81044-27
Date Collected: 10/29/21 11:16
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.79 g	5 mL	541556	11/10/21 10:47	TL	TAL SAC
Total/NA	Analysis	8081A		20			545312	11/23/21 21:44	K1D	TAL SAC
Total/NA	Prep	3546			15.79 g	5 mL	541557	11/10/21 10:52	TL	TAL SAC
Total/NA	Analysis	8082		1			543860	11/18/21 18:25	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	539936	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			540856	11/05/21 12:24	GSH	TAL SAC

Client Sample ID: AOC3-S8H-2

Lab Sample ID: 320-81044-28
Date Collected: 10/29/21 11:17
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.69 g	5 mL	541586	11/10/21 11:54	SJ	TAL SAC
Total/NA	Analysis	8081A		1			544753	11/21/21 19:52	AO	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Client Sample ID: AOC3-S7I-0.5

Lab Sample ID: 320-81044-29

Date Collected: 10/29/21 11:18

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.95 g	5 mL	541556	11/10/21 10:47	TL	TAL SAC
Total/NA	Analysis	8081A		20			545312	11/23/21 22:41	K1D	TAL SAC
Total/NA	Prep	3546			15.95 g	5 mL	541557	11/10/21 10:52	TL	TAL SAC
Total/NA	Analysis	8082		1			543860	11/18/21 18:45	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	539961	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			540322	11/05/21 10:42	SP	TAL SAC

Client Sample ID: AOC3-S7I-2

Lab Sample ID: 320-81044-30

Date Collected: 10/29/21 11:19

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.11 g	5 mL	541586	11/10/21 11:54	SJ	TAL SAC
Total/NA	Analysis	8081A		1			544753	11/21/21 20:11	AO	TAL SAC

Client Sample ID: EB10292021

Lab Sample ID: 320-81044-31

Date Collected: 10/29/21 12:00

Matrix: Water

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			506.7 mL	10 mL	540231	11/05/21 09:34	AS	TAL SAC
Total/NA	Analysis	8081A		1			542188	11/13/21 00:03	K1D	TAL SAC
Total/NA	Prep	3010A			50 mL	50 mL	193286	11/10/21 14:08	WL8G	ECL 1
Total/NA	Analysis	6010B		1			193907	11/12/21 17:27	ULPF	ECL 1
Total/NA	Prep	7470A			50 mL	100 mL	193769	11/12/21 06:21	WL8G	ECL 1
Total/NA	Analysis	7470A		1			193866	11/12/21 12:47	VWJ7	ECL 1

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-22

Laboratory: Eurofins Calscience LLC

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

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

Method Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Method	Method Description	Protocol	Laboratory
8081A	Organochlorine Pesticides (GC)	SW846	TAL SAC
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL SAC
6010B	Metals (ICP)	SW846	ECL 1
6010B	Metals (ICP)	SW846	TAL SAC
7470A	Mercury (CVAA)	SW846	ECL 1
7471A	Mercury (CVAA)	SW846	ECL 1
3010A	Preparation, Total Metals	SW846	ECL 1
3050B	Preparation, Metals	SW846	TAL SAC
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL SAC
3546	Microwave Extraction	SW846	TAL SAC
7470A	Preparation, Mercury	SW846	ECL 1
7471A	Preparation, Mercury	SW846	ECL 1

Protocol References:

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-81044-1	AOC3-S1I-0.5	Solid	10/29/21 08:38	10/29/21 14:21
320-81044-2	AOC3-S1I-2	Solid	10/29/21 08:40	10/29/21 14:21
320-81044-3	AOC3-S2I-0.5	Solid	10/29/21 08:41	10/29/21 14:21
320-81044-4	AOC3-S2I-2	Solid	10/29/21 08:42	10/29/21 14:21
320-81044-5	AOC3-S6I-0.5	Solid	10/29/21 09:02	10/29/21 14:21
320-81044-6	AOC3-S6I-0.5-DUP	Solid	10/29/21 09:02	10/29/21 14:21
320-81044-7	AOC3-S6I-2	Solid	10/29/21 09:05	10/29/21 14:21
320-81044-8	AOC3-S8F-0.5	Solid	10/29/21 09:32	10/29/21 14:21
320-81044-9	AOC3-S8F-2	Solid	10/29/21 09:33	10/29/21 14:21
320-81044-10	AOC3-S9G-0.5	Solid	10/29/21 09:36	10/29/21 14:21
320-81044-11	AOC3-S9G-2	Solid	10/29/21 09:37	10/29/21 14:21
320-81044-12	AOC3-S7F-0.5	Solid	10/29/21 10:17	10/29/21 14:21
320-81044-13	AOC3-S7F-2	Solid	10/29/21 10:19	10/29/21 14:21
320-81044-14	AOC3-S8G-0.5	Solid	10/29/21 10:21	10/29/21 14:21
320-81044-15	AOC3-S8G-2	Solid	10/29/21 10:22	10/29/21 14:21
320-81044-16	AOC3-S7G-0.5	Solid	10/29/21 10:31	10/29/21 14:21
320-81044-17	AOC3-S7G-2	Solid	10/29/21 10:32	10/29/21 14:21
320-81044-18	AOC3/AOC8-S6H-0.5	Solid	10/29/21 10:55	10/29/21 14:21
320-81044-19	AOC3/AOC8-S6H-2	Solid	10/29/21 10:56	10/29/21 14:21
320-81044-20	AOC3-S7H-0.5	Solid	10/29/21 10:57	10/29/21 14:21
320-81044-21	AOC3-S7H-2	Solid	10/29/21 10:58	10/29/21 14:21
320-81044-22	AOC3-S8H-0.5	Solid	10/29/21 10:59	10/29/21 14:21
320-81044-23	AOC3-S8H-2	Solid	10/29/21 11:00	10/29/21 14:21
320-81044-24	AOC3/AOC8-S9I-0.5	Solid	10/29/21 11:14	10/29/21 14:21
320-81044-25	AOC3/AOC8-S9I-0.5 DUP	Solid	10/29/21 11:14	10/29/21 14:21
320-81044-26	AOC3/AOC8-S9I-2	Solid	10/29/21 11:15	10/29/21 14:21
320-81044-27	AOC3-S8H-0.5	Solid	10/29/21 11:16	10/29/21 14:21
320-81044-28	AOC3-S8H-2	Solid	10/29/21 11:17	10/29/21 14:21
320-81044-29	AOC3-S7I-0.5	Solid	10/29/21 11:18	10/29/21 14:21
320-81044-30	AOC3-S7I-2	Solid	10/29/21 11:19	10/29/21 14:21
320-81044-31	EB10292021	Water	10/29/21 12:00	10/29/21 14:21

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

320-81044

201258

eurofins

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

Client Contact	**Project Manager:** Nathan Diem	**Site Contact:** Daysi Nemeno	**Date:** 10/29/21
Ninyo & Moore	**Email** ndiem@ninyoandmoore.com	**Lab Contact:** Justinn Gonzales	**Carrier:** Test America
2020 Challenger Drive, Suite 103	**Tel/Fax:** (510) 343-3000 ext. 15226		**COC No:** 1
Alameda California 94501	**Analysis Turnaround Time**		1 of 3 COCs
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS		**Sampler:** DNR
(510) 343-3001	TAT if different from Below ____		**For Lab Use Only:**
Project Name: Cole School PEA	☐ 2 weeks		Walk-in Client:
Site: 11101 Union Street, Oakland	☐ 1 week		Lab Sampling
P O # 403668001	☐ 2 days		Job / SDG No.
	☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC3-S1I-0.5	10/29/21	0838	G	Soil	1							X	X		X	
AOC3-S1I-2		0840										X				
AOC3-S2I-0.5		0841										X	X		X	
AOC3-S2I-2		0842										X				
AOC3-S6I-0.5		0902								X		X	X			
AOC3-S6I-0.5 DUP		0902								X		X	X			
AOC3-S6I-2		0905										X				
AOC3-S8F-0.5		0932										X	X		X	
AOC3-S8F-2		0933										X				
AOC3-S9G-0.5		0936										X	X		X	
AOC3-S9G-2		0937										X				

320-81044 Chain of Custody

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for ____ Months

Special Instructions/QC Requirements & Comments.
Hold samples for additional analyses

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.		Cooler Temp. (°C): Obs'd. ____	Corr'd: ____	Therm ID No. ____
Relinquished by: Daysi Nemeno	Company: NMW	Date/Time: 10/29/21 1307	Received by:	Company: ETA SS	Date/Time: 10/29/21 13:07
Relinquished by:	Company: ETA SS	Date/Time: 10/29/21 14:21	Received by:	Company: ETA SS	Date/Time: 10-29-21/1421
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

1.0 c° 1.8° 0.8°

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12/15/2021 (Rev. 1)

Eurofins TestAmerica Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

320-81044

201258

eurofins

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Dayo Nomeo	Date: 10/29/21	COC No: 1
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: Test America	2 of 3 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNP
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling:
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes.
AOC3-S7F-0.5	10/29/21	1017	G	Soil	1							X	X		X	
AOC3-S7F-2	10/29/21	1019										X				
AOC3-S8G-0.5		1021										X	X		X	
AOC3-S8G-2		1022										X				
AOC3-S7G-0.5		1031										X	X		X	
AOC3-S7G-2		1032										X				
AOC3/AOC8-S6H-0.5		1055										X	X	X	X	
AOC3/AOC8-S6H-2		1056										X		X		
AOC3-S7H-0.5		1057								X	DNP	X	X			
AOC3-S7H-2		1058										X				
AOC3-S8H-0.5		1059										X	X		X	

Preservation Used. 1= Ice, 2= HCl, 3= H_2SO_4; 4=HNO_3; 5=NaOH, 6= Other _____

Possible Hazard Identification.
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments.
Hold samples for additional analyses

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.		Cooler Temp (°C): Obs'd. _____ Corr'd: _____ Therm ID No.: _____		
Relinquished by: Dayo Nomeo	Company: NMM	Date/Time: 10/29/21 1307	Received by: G. Fick	Company: ETA SS	Date/Time: 10/29/21 1307
Relinquished by: A. Jones	Company: ETA SS	Date/Time: 10/29/21 1421	Received by: Justinn Mulley	Company: ETA SS	Date/Time: 10-29-21 1421
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

Eurofins TestAmerica, Sacramento
880 Riverside Parkway

West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

320-81044

201258

eurofins

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other:

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemecio	Date: 10/29/21	COC No: 1
Ninyo & Moore	Email ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: Test America	3 of 3 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNE
Alameda, California 94501	**Analysis Turnaround Time** ☐ CALENDAR DAYS ☑ WORKING DAYS			**For Lab Use Only:**
(510) 343-3000	TAT if different from Below ______			Walk-in Client:
(510) 343-3001	☑ 2 weeks			Lab Sampling
Project Name: Cole School PEA	☐ 1 week			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 2 days			
P O # 403668001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC3-S8H-2	10/29/21	1100	G	soil	1							X				
AOC3/AOC8-S9I-0.5		1114								X		X	X	X		
AOC3/AOC8-S9I-0.5DUP		1114								X		X	X	X		
AOC3/AOC8-S9I-2		1115										X		X		
AOC3-S8H-0.5		1116										X	X		X	
AOC3-S8H-2		1117										X				
AOC3-S7I-0.5		1118										X	X		X	
AOC3-S7I-2		1119										X				
EB10292021		1200		H_2O	3					X		X	X	X		

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

Possible Hazard Identification.
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for ______ Months

Special Instructions/QC Requirements & Comments.
Hold samples for additional analyses

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp. (°C): Obs'd ______ Corr'd ______ Therm ID No. ______

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Daysi Nemecio	N&M	10/29/21 1307	G. Fish	EM SJ	10/29/21 1307
G. Fish	EPA SJ	10/29/21 1421	Down Muller	ETA SJ	10-29-21/1421
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247576.1
Client Contact: Shipping/Receiving	Phone	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 1 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81044-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site	SSOW#			

Preservation Codes:

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

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, As	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B CAM 17 List, minus Mercury	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	6010B/3010A CAM 17 List, minus Mercury	7470A/7470A_Prep Mercury Only	8081A/3510C_LVI Pesticides, Standard List	8082/3510C_LVI PCBs, Standard List				Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
AOC3-S1I-0.5 (320-81044-1)	10/29/21	08:38 Pacific		Solid			X	X	X												1	
AOC3-S1I-2 (320-81044-2)	10/29/21	08:40 Pacific		Solid				X													1	
AOC3-S2I-0.5 (320-81044-3)	10/29/21	08:41 Pacific		Solid			X	X	X												1	
AOC3-S2I-2 (320-81044-4)	10/29/21	08:42 Pacific		Solid				X													1	
AOC3-S6I-0.5 (320-81044-5)	10/29/21	09:02 Pacific		Solid				X	X	X											1	
AOC3-S6I-0.5-DUP (320-81044-6)	10/29/21	09:02 Pacific		Solid				X	X	X											1	
AOC3-S6I-2 (320-81044-7)	10/29/21	09:05 Pacific		Solid				X													1	
AOC3-S8F-0.5 (320-81044-8)	10/29/21	09:32 Pacific		Solid			X	X	X												1	
AOC3-S8F-2 (320-81044-9)	10/29/21	09:33 Pacific		Solid				X													1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	11-1-21 1615	ST	[signature]	11-1-21 1615	DCS
2	[signature]	11-1-21 1930	DCS	[signature]	11/2/21 1930	EESAC
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.6

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gonzales, Justinn	Carrier Tracking No(s)	COC No: 320-247576.2
Client Contact: Shipping/Receiving	Phone	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 2 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81044-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email:	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#			

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, As	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B CAM 17 List, minus Mercury	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	6010B/3010A CAM 17 List, minus Mercury	7470A/7470A_Prep Mercury Only	8081A/3510C_LVI Pesticides, Standard List	8082/3510C_LVI PCBs, Standard List				Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
AOC3-S9G-0.5 (320-81044-10)	10/29/21	09:36 Pacific		Solid			X	X	X												1	
AOC3-S9G-2 (320-81044-11)	10/29/21	09:37 Pacific		Solid				X													1	
AOC3-S7F-0.5 (320-81044-12)	10/29/21	10:17 Pacific		Solid			X	X	X												1	
AOC3-S7F-2 (320-81044-13)	10/29/21	10:19 Pacific		Solid				X													1	
AOC3-S8G-0.5 (320-81044-14)	10/29/21	10:21 Pacific		Solid			X	X	X												1	
AOC3-S8G-2 (320-81044-15)	10/29/21	10:22 Pacific		Solid				X													1	
AOC3-S7G-0.5 (320-81044-16)	10/29/21	10:31 Pacific		Solid			X	X	X												1	
AOC3-S7G-2 (320-81044-17)	10/29/21	10:32 Pacific		Solid				X													1	
AOC3/AOC8-S6H-0.5 (320-81044-18)	10/29/21	10:55 Pacific		Solid			X	X	X		X										1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	11-1-21 1615	ES	[signature]	11-1-21 1615	DES
2	[signature]	11-1-21 1930	DES	[signature]	11/1/21 1930	EESAC
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247576.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 3 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81044-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email:	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, As	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B CAM 17 List, minus Mercury	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	6010B/3010A CAM 17 List, minus Mercury	7470A/7470A_Prep Mercury Only	8081A/3510C_LVI Pesticides, Standard List	8082/3510C_LVI PCBs, Standard List				Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
AOC3/AOC8-S6H-2 (320-81044-19)	10/29/21	10:56 Pacific		Solid				X			X										1	
AOC3-S7H-0.5 (320-81044-20)	10/29/21	10:57 Pacific		Solid				X	X	X											1	
AOC3-S7H-2 (320-81044-21)	10/29/21	10:58 Pacific		Solid				X													1	
AOC3-S8H-0.5 (320-81044-22)	10/29/21	10:59 Pacific		Solid			X	X	X												1	
AOC3-S8H-2 (320-81044-23)	10/29/21	11:00 Pacific		Solid				X													1	
AOC3/AOC8-S9I-0.5 (320-81044-24)	10/29/21	11:14 Pacific		Solid				X	X	X	X										1	
AOC3/AOC8-S9I-0.5-DUP (320-81044-25)	10/29/21	11:14 Pacific		Solid				X	X	X	X										1	
AOC3/AOC8-S9I-2 (320-81044-26)	10/29/21	11:15 Pacific		Solid				X			X										1	
AOC3-S8H-0.5 (320-81044-27)	10/29/21	11:16 Pacific		Solid			X	X	X												1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	10-1-21 1615	ST	[signature]	10-1-21 1615	DCS
2	[signature]	11-1-21 1930	DCS	[signature]	11/1/21-1930	EETSAC
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247576.4
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 4 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81044-1
Address: 880 Riverside Parkway.	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, As	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B CAM 17 List, minus Mercury	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	6010B/3050A CAM 17 List, minus Mercury	7470A/7470A_Prep Mercury Only	8081A/3510C_LVI Pesticides, Standard List	8082/3510C_LVI PCBs, Standard List	Total Number of containers	Special Instructions/Note:
			Preservation Code:															
AOC3-S8H-2 (320-81044-28)	10/29/21	11:17 Pacific		Solid				X									1	
AOC3-S7I-0.5 (320-81044-29)	10/29/21	11:18 Pacific		Solid			X	X	X								1	
AOC3-S7I-2 (320-81044-30)	10/29/21	11:19 Pacific		Solid				X									1	
EB10292021 (320-81044-31)	10/29/21	12:00 Pacific		Water								X	X	X	X	X	~~1~~ 2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11-1-21 1615	ST		11-1-21 1615	DLS
2		11-1-21 1830	DLS		11/1/21 1430	EESAT
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

TestAmerica CUSTODY SEAL

Date 11/1/21 Signature [signature]

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Part # 69-434 MTW EXP 07/22

320-81044 Waybill

ORIGIN ID:LVKA (928) 484-1919
SAMPLE RECEIVING
EUROFINS TEST AMERICA
780 MONTAGUE EXPRESSWAY
SUITE 602
SAN JOSE, CA 95131
UNITED STATES US

SHIP DATE: 01NOV21
ACTWGT: 30.05 LB
CAD: 0795504/CAFE3507
DIMS: 28x16x15 IN

BILL SENDER

TO SAMPLE RECEIVING
EUROFINS CALSCIENCE, LLC
7440 LINCOLN WAY

GARDEN GROVE CA 92841
(714) 895-5494 REF:
INV:
PO: DEPT:

570C1/A822/6F4D

FedEx Express

E

J211020121101uv

TUE - 02 NOV 11:30A
PRIORITY OVERNIGHT

TRK# 0201 5047 2941 7677

92 APVA

92841
CA-US SNA

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605
Phone 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247590 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn Gonzales@Eurofinset.com	State of Origin: California	Page: Page 1 of 1
Company: Eurofins Calscience LLC		Accreditations Required (See note): State - California		Job #: 320-81044-1
Address: 7440 Lincoln Way, ,	Due Date Requested: 11/14/2021			
City: Garden Grove	TAT Requested (days):			
State, Zip: CA, 92841	PO #:			
Phone: 714-895-5494(Tel) 714-894-7501(Fax)	WO #:			
Email	Project #: 32017058			
Project Name: Cole School PEA	SSOW#:			
Site:				

Analysis Requested

Preservation Codes

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7471A/7471A_Prep Mercury	6010B/3010A California Administrative Manual List	7470A/7470A_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AOC3-S6I-0 5 (320-81044-5)	10/29/21	09:02 Pacific		Solid			X			1	
AOC3-S6I-0 5-DUP (320-81044-6)	10/29/21	09 02 Pacific		Solid			X			1	
AOC3-S7H-0 5 (320-81044-20)	10/29/21	10 57 Pacific		Solid			X			1	
AOC3/AOC8-S9I-0 5 (320-81044-24)	10/29/21	11 14 Pacific		Solid			X			1	
AOC3/AOC8-S9I-0 5-DUP (320-81044-25)	10/29/21	11 14 Pacific		Solid			X			1	
EB10292021 (320-81044-31)	10/29/21	12:00 Pacific		Water				X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested. I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements.

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

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	11/1/21 1600	TestAmerica		11/2/21 1020	KCCC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No. N/A	Cooler Temperature(s) °C and Other Remarks 1.9/2.8 SCG

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81044-1

Login Number: 81044
List Number: 1
Creator: Mullen, Joan

List Source: Eurofins TestAmerica, Sacramento

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

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81044-1

Login Number: 81044
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	1.6
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81044-1

Login Number: 81044
List Number: 3
Creator: Ortiz-Luis, Michael

List Source: Eurofins Calscience LLC
List Creation: 11/02/21 02:36 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
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	2.8
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-81044-2
Client Project/Site: Cole School PEA
Revision: 1

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Mr. Nathan Diem

Authorized for release by:
12/15/2021 11:45:45 AM

Justinn Gonzales, Project Manager I
(925)484-1919
Justinn.Gonzales@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-2

Qualifiers

Dioxin

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

Glossary

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

Job ID: 320-81044-2

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-81044-2

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 11/23/2021. The report (revision 1) is being revised due to: Report samples to MDL or EDL for 8290A per client request. Total TEQ also added.

Receipt
The samples were received on 10/29/2021 2:21 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 0.8º C, 1.0º C and 1.8º C.

Dioxin
Method 8290A: The scheduled automatic ending resolution check did not print due to loss of communication to the SIOS data acquisition computer. Upon arrival to the laboratory, the analyst rebooted the SIOS and performed a manual ending resolution check. Although this ending resolution check was performed past the 12 hour analytical clock, all associated samples were analyzed within the 12 hour analytical clock and the resolution check indicates the instrument maintained greater than 10,000 resolution. No further corrective action was taken. AOC3/AOC8-S9I-0.5 (320-81044-24), AOC3/AOC8-S9I-0.5 DUP (320-81044-25), (CCV 320-544985/17) and (CCV 320-544985/2).

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

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

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-2

Client Sample ID: AOC3/AOC8-S6H-2 — Lab Sample ID: 320-81044-19

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.20	J	0.96	0.027	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.30	J B	4.8	0.088	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.077	J B	4.8	0.044	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.090	J B	4.8	0.044	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDF	0.17	J B	4.8	0.050	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	1.0	J B	4.8	0.037	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.28	J	4.8	0.060	pg/g	1		8290A	Total/NA
OCDD	9.8	B	9.6	0.10	pg/g	1		8290A	Total/NA
OCDF	0.56	J B	9.6	0.070	pg/g	1		8290A	Total/NA

Client Sample ID: AOC3/AOC8-S9I-0.5 — Lab Sample ID: 320-81044-24

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,7,8-PeCDD	0.23	J	4.8	0.11	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	0.45	J	4.8	0.14	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	0.70	J	4.8	0.15	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.41	J B	4.8	0.11	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.34	J B	4.8	0.11	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.45	J	4.8	0.098	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.39	J B	4.8	0.088	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.62	J B	4.8	0.088	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDF	0.17	J B	4.8	0.099	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.66	J	4.8	0.094	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	3.6	J B	4.8	0.038	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	1.7	J	4.8	0.079	pg/g	1		8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.18	J q	4.8	0.090	pg/g	1		8290A	Total/NA
OCDD	22	B	9.6	0.083	pg/g	1		8290A	Total/NA
OCDF	1.6	J B	9.6	0.070	pg/g	1		8290A	Total/NA
2,3,7,8-TCDF - RA	0.89	J	0.96	0.11	pg/g	1		8290A	Total/NA

Client Sample ID: AOC3/AOC8-S9I-0.5 DUP — Lab Sample ID: 320-81044-25

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,7,8-PeCDF	0.42	J	4.8	0.14	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	0.56	J	4.8	0.15	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.41	J B	4.8	0.12	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.37	J B	4.8	0.12	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.50	J	4.8	0.11	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.41	J B	4.8	0.090	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.49	J B	4.8	0.090	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDF	0.15	J q B	4.8	0.10	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.55	J	4.8	0.096	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	3.7	J B	4.8	0.059	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	1.5	J	4.8	0.093	pg/g	1		8290A	Total/NA
OCDD	26	B	9.7	0.12	pg/g	1		8290A	Total/NA
OCDF	1.5	J B	9.7	0.10	pg/g	1		8290A	Total/NA
2,3,7,8-TCDF - RA	0.84	J	0.97	0.18	pg/g	1		8290A	Total/NA

Client Sample ID: AOC3/AOC8-S9I-2 — Lab Sample ID: 320-81044-26

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.21	J q	1.0	0.038	pg/g	1		8290A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-2

Client Sample ID: AOC3/AOC8-S9I-2 (Continued)

Lab Sample ID: 320-81044-26

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,4,7,8-HxCDD	0.46	J B	5.0	0.096	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.45	J B	5.0	0.096	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.14	J q B	5.0	0.055	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.14	J q B	5.0	0.055	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.11	J q	5.0	0.059	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.69	J B	5.0	0.047	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.38	J	5.0	0.083	pg/g	1		8290A	Total/NA
OCDD	5.2	J B	10	0.11	pg/g	1		8290A	Total/NA
OCDF	0.74	J B	10	0.082	pg/g	1		8290A	Total/NA

Client Sample ID: EB10292021

Lab Sample ID: 320-81044-31

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.43	J	9.7	0.18	pg/L	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	2.3	J q B	49	0.49	pg/L	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.87	J B	49	0.13	pg/L	1		8290A	Total/NA
OCDD	5.7	J q B	97	0.37	pg/L	1		8290A	Total/NA
OCDF	1.6	J B	97	0.38	pg/L	1		8290A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-2

Client Sample ID: AOC3/AOC8-S6H-2
Date Collected: 10/29/21 10:56
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-19
Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.96	0.070	pg/g		11/02/21 10:24	11/19/21 05:36	1
2,3,7,8-TCDF	**0.20**	**J**	0.96	0.027	pg/g		11/02/21 10:24	11/19/21 05:36	1
1,2,3,7,8-PeCDD	ND		4.8	0.088	pg/g		11/02/21 10:24	11/19/21 05:36	1
1,2,3,7,8-PeCDF	ND		4.8	0.052	pg/g		11/02/21 10:24	11/19/21 05:36	1
2,3,4,7,8-PeCDF	ND		4.8	0.054	pg/g		11/02/21 10:24	11/19/21 05:36	1
1,2,3,4,7,8-HxCDD	**0.30**	**J B**	4.8	0.088	pg/g		11/02/21 10:24	11/19/21 05:36	1
1,2,3,6,7,8-HxCDD	ND		4.8	0.088	pg/g		11/02/21 10:24	11/19/21 05:36	1
1,2,3,7,8,9-HxCDD	ND		4.8	0.080	pg/g		11/02/21 10:24	11/19/21 05:36	1
1,2,3,4,7,8-HxCDF	**0.077**	**J B**	4.8	0.044	pg/g		11/02/21 10:24	11/19/21 05:36	1
1,2,3,6,7,8-HxCDF	**0.090**	**J B**	4.8	0.044	pg/g		11/02/21 10:24	11/19/21 05:36	1
1,2,3,7,8,9-HxCDF	**0.17**	**J B**	4.8	0.050	pg/g		11/02/21 10:24	11/19/21 05:36	1
2,3,4,6,7,8-HxCDF	ND		4.8	0.047	pg/g		11/02/21 10:24	11/19/21 05:36	1
1,2,3,4,6,7,8-HpCDD	**1.0**	**J B**	4.8	0.037	pg/g		11/02/21 10:24	11/19/21 05:36	1
1,2,3,4,6,7,8-HpCDF	**0.28**	**J**	4.8	0.060	pg/g		11/02/21 10:24	11/19/21 05:36	1
1,2,3,4,7,8,9-HpCDF	ND		4.8	0.069	pg/g		11/02/21 10:24	11/19/21 05:36	1
OCDD	**9.8**	**B**	9.6	0.10	pg/g		11/02/21 10:24	11/19/21 05:36	1
OCDF	**0.56**	**J B**	9.6	0.070	pg/g		11/02/21 10:24	11/19/21 05:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*80*		*40 - 135*	*11/02/21 10:24*	*11/19/21 05:36*	*1*
13C-2,3,7,8-TCDF	*71*		*40 - 135*	*11/02/21 10:24*	*11/19/21 05:36*	*1*
13C-1,2,3,7,8-PeCDD	*63*		*40 - 135*	*11/02/21 10:24*	*11/19/21 05:36*	*1*
13C-1,2,3,7,8-PeCDF	*74*		*40 - 135*	*11/02/21 10:24*	*11/19/21 05:36*	*1*
13C-1,2,3,6,7,8-HxCDD	*79*		*40 - 135*	*11/02/21 10:24*	*11/19/21 05:36*	*1*
13C-1,2,3,4,7,8-HxCDF	*84*		*40 - 135*	*11/02/21 10:24*	*11/19/21 05:36*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*80*		*40 - 135*	*11/02/21 10:24*	*11/19/21 05:36*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*82*		*40 - 135*	*11/02/21 10:24*	*11/19/21 05:36*	*1*
13C-OCDD	*84*		*40 - 135*	*11/02/21 10:24*	*11/19/21 05:36*	*1*

Client Sample ID: AOC3/AOC8-S9I-0.5

Date Collected: 10/29/21 11:14
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-24

Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.96	0.11	pg/g		11/02/21 10:24	11/19/21 13:14	1
1,2,3,7,8-PeCDD	**0.23**	**J**	4.8	0.11	pg/g		11/02/21 10:24	11/19/21 13:14	1
1,2,3,7,8-PeCDF	**0.45**	**J**	4.8	0.14	pg/g		11/02/21 10:24	11/19/21 13:14	1
2,3,4,7,8-PeCDF	**0.70**	**J**	4.8	0.15	pg/g		11/02/21 10:24	11/19/21 13:14	1
1,2,3,4,7,8-HxCDD	**0.41**	**J B**	4.8	0.11	pg/g		11/02/21 10:24	11/19/21 13:14	1
1,2,3,6,7,8-HxCDD	**0.34**	**J B**	4.8	0.11	pg/g		11/02/21 10:24	11/19/21 13:14	1
1,2,3,7,8,9-HxCDD	**0.45**	**J**	4.8	0.098	pg/g		11/02/21 10:24	11/19/21 13:14	1
1,2,3,4,7,8-HxCDF	**0.39**	**J B**	4.8	0.088	pg/g		11/02/21 10:24	11/19/21 13:14	1
1,2,3,6,7,8-HxCDF	**0.62**	**J B**	4.8	0.088	pg/g		11/02/21 10:24	11/19/21 13:14	1
1,2,3,7,8,9-HxCDF	**0.17**	**J B**	4.8	0.099	pg/g		11/02/21 10:24	11/19/21 13:14	1
2,3,4,6,7,8-HxCDF	**0.66**	**J**	4.8	0.094	pg/g		11/02/21 10:24	11/19/21 13:14	1
1,2,3,4,6,7,8-HpCDD	**3.6**	**J B**	4.8	0.038	pg/g		11/02/21 10:24	11/19/21 13:14	1
1,2,3,4,6,7,8-HpCDF	**1.7**	**J**	4.8	0.079	pg/g		11/02/21 10:24	11/19/21 13:14	1
1,2,3,4,7,8,9-HpCDF	**0.18**	**J q**	4.8	0.090	pg/g		11/02/21 10:24	11/19/21 13:14	1
OCDD	**22**	**B**	9.6	0.083	pg/g		11/02/21 10:24	11/19/21 13:14	1
OCDF	**1.6**	**J B**	9.6	0.070	pg/g		11/02/21 10:24	11/19/21 13:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*77*		*40 - 135*	*11/02/21 10:24*	*11/19/21 13:14*	*1*
13C-1,2,3,7,8-PeCDD	*88*		*40 - 135*	*11/02/21 10:24*	*11/19/21 13:14*	*1*
13C-1,2,3,7,8-PeCDF	*83*		*40 - 135*	*11/02/21 10:24*	*11/19/21 13:14*	*1*
13C-1,2,3,6,7,8-HxCDD	*77*		*40 - 135*	*11/02/21 10:24*	*11/19/21 13:14*	*1*
13C-1,2,3,4,7,8-HxCDF	*81*		*40 - 135*	*11/02/21 10:24*	*11/19/21 13:14*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*76*		*40 - 135*	*11/02/21 10:24*	*11/19/21 13:14*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*78*		*40 - 135*	*11/02/21 10:24*	*11/19/21 13:14*	*1*
13C-OCDD	*85*		*40 - 135*	*11/02/21 10:24*	*11/19/21 13:14*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	**0.89**	**J**	0.96	0.11	pg/g		11/02/21 10:24	11/21/21 23:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*89*		*40 - 135*	*11/02/21 10:24*	*11/21/21 23:11*	*1*

Client Sample ID: AOC3/AOC8-S9I-0.5 DUP

Date Collected: 10/29/21 11:14
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-25

Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.97	0.10	pg/g		11/02/21 10:24	11/19/21 14:02	1
1,2,3,7,8-PeCDD	ND		4.8	0.12	pg/g		11/02/21 10:24	11/19/21 14:02	1
1,2,3,7,8-PeCDF	**0.42**	**J**	4.8	0.14	pg/g		11/02/21 10:24	11/19/21 14:02	1
2,3,4,7,8-PeCDF	**0.56**	**J**	4.8	0.15	pg/g		11/02/21 10:24	11/19/21 14:02	1
1,2,3,4,7,8-HxCDD	**0.41**	**J B**	4.8	0.12	pg/g		11/02/21 10:24	11/19/21 14:02	1
1,2,3,6,7,8-HxCDD	**0.37**	**J B**	4.8	0.12	pg/g		11/02/21 10:24	11/19/21 14:02	1
1,2,3,7,8,9-HxCDD	**0.50**	**J**	4.8	0.11	pg/g		11/02/21 10:24	11/19/21 14:02	1
1,2,3,4,7,8-HxCDF	**0.41**	**J B**	4.8	0.090	pg/g		11/02/21 10:24	11/19/21 14:02	1
1,2,3,6,7,8-HxCDF	**0.49**	**J B**	4.8	0.090	pg/g		11/02/21 10:24	11/19/21 14:02	1
1,2,3,7,8,9-HxCDF	**0.15**	**J q B**	4.8	0.10	pg/g		11/02/21 10:24	11/19/21 14:02	1
2,3,4,6,7,8-HxCDF	**0.55**	**J**	4.8	0.096	pg/g		11/02/21 10:24	11/19/21 14:02	1
1,2,3,4,6,7,8-HpCDD	**3.7**	**J B**	4.8	0.059	pg/g		11/02/21 10:24	11/19/21 14:02	1
1,2,3,4,6,7,8-HpCDF	**1.5**	**J**	4.8	0.093	pg/g		11/02/21 10:24	11/19/21 14:02	1
1,2,3,4,7,8,9-HpCDF	ND		4.8	0.11	pg/g		11/02/21 10:24	11/19/21 14:02	1
OCDD	**26**	**B**	9.7	0.12	pg/g		11/02/21 10:24	11/19/21 14:02	1
OCDF	**1.5**	**J B**	9.7	0.10	pg/g		11/02/21 10:24	11/19/21 14:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*78*		*40 - 135*	*11/02/21 10:24*	*11/19/21 14:02*	*1*
13C-1,2,3,7,8-PeCDD	*86*		*40 - 135*	*11/02/21 10:24*	*11/19/21 14:02*	*1*
13C-1,2,3,7,8-PeCDF	*76*		*40 - 135*	*11/02/21 10:24*	*11/19/21 14:02*	*1*
13C-1,2,3,6,7,8-HxCDD	*79*		*40 - 135*	*11/02/21 10:24*	*11/19/21 14:02*	*1*
13C-1,2,3,4,7,8-HxCDF	*70*		*40 - 135*	*11/02/21 10:24*	*11/19/21 14:02*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*80*		*40 - 135*	*11/02/21 10:24*	*11/19/21 14:02*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*76*		*40 - 135*	*11/02/21 10:24*	*11/19/21 14:02*	*1*
13C-OCDD	*78*		*40 - 135*	*11/02/21 10:24*	*11/19/21 14:02*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	**0.84**	**J**	0.97	0.18	pg/g		11/02/21 10:24	11/21/21 23:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*92*		*40 - 135*	*11/02/21 10:24*	*11/21/21 23:49*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-2

Client Sample ID: AOC3/AOC8-S9I-2
Date Collected: 10/29/21 11:15
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-26
Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.0	0.082	pg/g		11/02/21 10:24	11/19/21 14:50	1
2,3,7,8-TCDF	**0.21**	**J q**	1.0	0.038	pg/g		11/02/21 10:24	11/19/21 14:50	1
1,2,3,7,8-PeCDD	ND		5.0	0.10	pg/g		11/02/21 10:24	11/19/21 14:50	1
1,2,3,7,8-PeCDF	ND		5.0	0.072	pg/g		11/02/21 10:24	11/19/21 14:50	1
2,3,4,7,8-PeCDF	ND		5.0	0.075	pg/g		11/02/21 10:24	11/19/21 14:50	1
1,2,3,4,7,8-HxCDD	**0.46**	**J B**	5.0	0.096	pg/g		11/02/21 10:24	11/19/21 14:50	1
1,2,3,6,7,8-HxCDD	**0.45**	**J B**	5.0	0.096	pg/g		11/02/21 10:24	11/19/21 14:50	1
1,2,3,7,8,9-HxCDD	ND		5.0	0.088	pg/g		11/02/21 10:24	11/19/21 14:50	1
1,2,3,4,7,8-HxCDF	**0.14**	**J q B**	5.0	0.055	pg/g		11/02/21 10:24	11/19/21 14:50	1
1,2,3,6,7,8-HxCDF	**0.14**	**J q B**	5.0	0.055	pg/g		11/02/21 10:24	11/19/21 14:50	1
1,2,3,7,8,9-HxCDF	ND		5.0	0.063	pg/g		11/02/21 10:24	11/19/21 14:50	1
2,3,4,6,7,8-HxCDF	**0.11**	**J q**	5.0	0.059	pg/g		11/02/21 10:24	11/19/21 14:50	1
1,2,3,4,6,7,8-HpCDD	**0.69**	**J B**	5.0	0.047	pg/g		11/02/21 10:24	11/19/21 14:50	1
1,2,3,4,6,7,8-HpCDF	**0.38**	**J**	5.0	0.083	pg/g		11/02/21 10:24	11/19/21 14:50	1
1,2,3,4,7,8,9-HpCDF	ND		5.0	0.094	pg/g		11/02/21 10:24	11/19/21 14:50	1
OCDD	**5.2**	**J B**	10	0.11	pg/g		11/02/21 10:24	11/19/21 14:50	1
OCDF	**0.74**	**J B**	10	0.082	pg/g		11/02/21 10:24	11/19/21 14:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*80*		*40 - 135*	*11/02/21 10:24*	*11/19/21 14:50*	*1*
13C-2,3,7,8-TCDF	*76*		*40 - 135*	*11/02/21 10:24*	*11/19/21 14:50*	*1*
13C-1,2,3,7,8-PeCDD	*76*		*40 - 135*	*11/02/21 10:24*	*11/19/21 14:50*	*1*
13C-1,2,3,7,8-PeCDF	*76*		*40 - 135*	*11/02/21 10:24*	*11/19/21 14:50*	*1*
13C-1,2,3,6,7,8-HxCDD	*83*		*40 - 135*	*11/02/21 10:24*	*11/19/21 14:50*	*1*
13C-1,2,3,4,7,8-HxCDF	*82*		*40 - 135*	*11/02/21 10:24*	*11/19/21 14:50*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*84*		*40 - 135*	*11/02/21 10:24*	*11/19/21 14:50*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*80*		*40 - 135*	*11/02/21 10:24*	*11/19/21 14:50*	*1*
13C-OCDD	*81*		*40 - 135*	*11/02/21 10:24*	*11/19/21 14:50*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-2

Client Sample ID: EB10292021
Date Collected: 10/29/21 12:00
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-31
Matrix: Water

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		9.7	0.40	pg/L		11/03/21 06:26	11/12/21 11:53	1
2,3,7,8-TCDF	**0.43**	**J**	9.7	0.18	pg/L		11/03/21 06:26	11/12/21 11:53	1
1,2,3,7,8-PeCDD	ND		49	0.43	pg/L		11/03/21 06:26	11/12/21 11:53	1
1,2,3,7,8-PeCDF	ND		49	0.40	pg/L		11/03/21 06:26	11/12/21 11:53	1
2,3,4,7,8-PeCDF	ND		49	0.40	pg/L		11/03/21 06:26	11/12/21 11:53	1
1,2,3,4,7,8-HxCDD	**2.3**	**J q B**	49	0.49	pg/L		11/03/21 06:26	11/12/21 11:53	1
1,2,3,6,7,8-HxCDD	ND		49	0.47	pg/L		11/03/21 06:26	11/12/21 11:53	1
1,2,3,7,8,9-HxCDD	ND		49	0.42	pg/L		11/03/21 06:26	11/12/21 11:53	1
1,2,3,4,7,8-HxCDF	ND		49	0.54	pg/L		11/03/21 06:26	11/12/21 11:53	1
1,2,3,6,7,8-HxCDF	ND		49	0.52	pg/L		11/03/21 06:26	11/12/21 11:53	1
1,2,3,7,8,9-HxCDF	ND		49	0.56	pg/L		11/03/21 06:26	11/12/21 11:53	1
2,3,4,6,7,8-HxCDF	ND		49	0.53	pg/L		11/03/21 06:26	11/12/21 11:53	1
1,2,3,4,6,7,8-HpCDD	**0.87**	**J B**	49	0.13	pg/L		11/03/21 06:26	11/12/21 11:53	1
1,2,3,4,6,7,8-HpCDF	ND		49	0.25	pg/L		11/03/21 06:26	11/12/21 11:53	1
1,2,3,4,7,8,9-HpCDF	ND		49	0.32	pg/L		11/03/21 06:26	11/12/21 11:53	1
OCDD	**5.7**	**J q B**	97	0.37	pg/L		11/03/21 06:26	11/12/21 11:53	1
OCDF	**1.6**	**J B**	97	0.38	pg/L		11/03/21 06:26	11/12/21 11:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*85*		*40 - 135*	*11/03/21 06:26*	*11/12/21 11:53*	*1*
13C-2,3,7,8-TCDF	*87*		*40 - 135*	*11/03/21 06:26*	*11/12/21 11:53*	*1*
13C-1,2,3,7,8-PeCDD	*85*		*40 - 135*	*11/03/21 06:26*	*11/12/21 11:53*	*1*
13C-1,2,3,7,8-PeCDF	*89*		*40 - 135*	*11/03/21 06:26*	*11/12/21 11:53*	*1*
13C-1,2,3,6,7,8-HxCDD	*88*		*40 - 135*	*11/03/21 06:26*	*11/12/21 11:53*	*1*
13C-1,2,3,4,7,8-HxCDF	*102*		*40 - 135*	*11/03/21 06:26*	*11/12/21 11:53*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*112*		*40 - 135*	*11/03/21 06:26*	*11/12/21 11:53*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*97*		*40 - 135*	*11/03/21 06:26*	*11/12/21 11:53*	*1*
13C-OCDD	*119*		*40 - 135*	*11/03/21 06:26*	*11/12/21 11:53*	*1*

Toxicity Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-2

Client Sample ID: AOC3/AOC8-S6H-2 — Lab Sample ID: 320-81044-19

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		0.96	0.070	pg/g	1	0.00	8290A
2,3,7,8-TCDF	**0.20**	**J**	0.96	0.027	pg/g	0.1	**0.020**	8290A
1,2,3,7,8-PeCDD	ND		4.8	0.088	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	ND		4.8	0.052	pg/g	0.03	0.00	8290A
2,3,4,7,8-PeCDF	ND		4.8	0.054	pg/g	0.3	0.00	8290A
1,2,3,4,7,8-HxCDD	**0.30**	**J B**	4.8	0.088	pg/g	0.1	**0.030**	8290A
1,2,3,6,7,8-HxCDD	ND		4.8	0.088	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDD	ND		4.8	0.080	pg/g	0.1	0.00	8290A
1,2,3,4,7,8-HxCDF	**0.077**	**J B**	4.8	0.044	pg/g	0.1	**0.0077**	8290A
1,2,3,6,7,8-HxCDF	**0.090**	**J B**	4.8	0.044	pg/g	0.1	**0.0090**	8290A
1,2,3,7,8,9-HxCDF	**0.17**	**J B**	4.8	0.050	pg/g	0.1	**0.017**	8290A
2,3,4,6,7,8-HxCDF	ND		4.8	0.047	pg/g	0.1	0.00	8290A
1,2,3,4,6,7,8-HpCDD	**1.0**	**J B**	4.8	0.037	pg/g	0.01	**0.010**	8290A
1,2,3,4,6,7,8-HpCDF	**0.28**	**J**	4.8	0.060	pg/g	0.01	**0.0028**	8290A
1,2,3,4,7,8,9-HpCDF	ND		4.8	0.069	pg/g	0.01	0.00	8290A
OCDD	**9.8**	**B**	9.6	0.10	pg/g	0.0003	**0.0029**	8290A
OCDF	**0.56**	**J B**	9.6	0.070	pg/g	0.0003	**0.00017**	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.10	TEQ

Client Sample ID: AOC3/AOC8-S9I-0.5 — Lab Sample ID: 320-81044-24

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		0.96	0.11	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDD	**0.23**	**J**	4.8	0.11	pg/g	1	**0.23**	8290A
1,2,3,7,8-PeCDF	**0.45**	**J**	4.8	0.14	pg/g	0.03	**0.014**	8290A
2,3,4,7,8-PeCDF	**0.70**	**J**	4.8	0.15	pg/g	0.3	**0.21**	8290A
1,2,3,4,7,8-HxCDD	**0.41**	**J B**	4.8	0.11	pg/g	0.1	**0.041**	8290A
1,2,3,6,7,8-HxCDD	**0.34**	**J B**	4.8	0.11	pg/g	0.1	**0.034**	8290A
1,2,3,7,8,9-HxCDD	**0.45**	**J**	4.8	0.098	pg/g	0.1	**0.045**	8290A
1,2,3,4,7,8-HxCDF	**0.39**	**J B**	4.8	0.088	pg/g	0.1	**0.039**	8290A
1,2,3,6,7,8-HxCDF	**0.62**	**J B**	4.8	0.088	pg/g	0.1	**0.062**	8290A
1,2,3,7,8,9-HxCDF	**0.17**	**J B**	4.8	0.099	pg/g	0.1	**0.017**	8290A
2,3,4,6,7,8-HxCDF	**0.66**	**J**	4.8	0.094	pg/g	0.1	**0.066**	8290A
1,2,3,4,6,7,8-HpCDD	**3.6**	**J B**	4.8	0.038	pg/g	0.01	**0.036**	8290A
1,2,3,4,6,7,8-HpCDF	**1.7**	**J**	4.8	0.079	pg/g	0.01	**0.017**	8290A
1,2,3,4,7,8,9-HpCDF	**0.18**	**J q**	4.8	0.090	pg/g	0.01	**0.0018**	8290A
OCDD	**22**	**B**	9.6	0.083	pg/g	0.0003	**0.0066**	8290A
OCDF	**1.6**	**J B**	9.6	0.070	pg/g	0.0003	**0.00048**	8290A
2,3,7,8-TCDF - RA	**0.89**	**J**	0.96	0.11	pg/g	0.1	**0.089**	8290A

TEF Reference:
WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-2

Client Sample ID: AOC3/AOC8-S9I-0.5 (Continued) — Lab Sample ID: 320-81044-24

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.91	TEQ

Client Sample ID: AOC3/AOC8-S9I-0.5 DUP — Lab Sample ID: 320-81044-25

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		0.97	0.10	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDD	ND		4.8	0.12	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	**0.42**	**J**	4.8	0.14	pg/g	0.03	**0.013**	8290A
2,3,4,7,8-PeCDF	**0.56**	**J**	4.8	0.15	pg/g	0.3	**0.17**	8290A
1,2,3,4,7,8-HxCDD	**0.41**	**J B**	4.8	0.12	pg/g	0.1	**0.041**	8290A
1,2,3,6,7,8-HxCDD	**0.37**	**J B**	4.8	0.12	pg/g	0.1	**0.037**	8290A
1,2,3,7,8,9-HxCDD	**0.50**	**J**	4.8	0.11	pg/g	0.1	**0.050**	8290A
1,2,3,4,7,8-HxCDF	**0.41**	**J B**	4.8	0.090	pg/g	0.1	**0.041**	8290A
1,2,3,6,7,8-HxCDF	**0.49**	**J B**	4.8	0.090	pg/g	0.1	**0.049**	8290A
1,2,3,7,8,9-HxCDF	**0.15**	**J q B**	4.8	0.10	pg/g	0.1	**0.015**	8290A
2,3,4,6,7,8-HxCDF	**0.55**	**J**	4.8	0.096	pg/g	0.1	**0.055**	8290A
1,2,3,4,6,7,8-HpCDD	**3.7**	**J B**	4.8	0.059	pg/g	0.01	**0.037**	8290A
1,2,3,4,6,7,8-HpCDF	**1.5**	**J**	4.8	0.093	pg/g	0.01	**0.015**	8290A
1,2,3,4,7,8,9-HpCDF	ND		4.8	0.11	pg/g	0.01	0.00	8290A
OCDD	**26**	**B**	9.7	0.12	pg/g	0.0003	**0.0078**	8290A
OCDF	**1.5**	**J B**	9.7	0.10	pg/g	0.0003	**0.00045**	8290A
2,3,7,8-TCDF - RA	**0.84**	**J**	0.97	0.18	pg/g	0.1	**0.084**	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.62	TEQ

Client Sample ID: AOC3/AOC8-S9I-2 — Lab Sample ID: 320-81044-26

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		1.0	0.082	pg/g	1	0.00	8290A
2,3,7,8-TCDF	**0.21**	**J q**	1.0	0.038	pg/g	0.1	**0.021**	8290A
1,2,3,7,8-PeCDD	ND		5.0	0.10	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	ND		5.0	0.072	pg/g	0.03	0.00	8290A
2,3,4,7,8-PeCDF	ND		5.0	0.075	pg/g	0.3	0.00	8290A
1,2,3,4,7,8-HxCDD	**0.46**	**J B**	5.0	0.096	pg/g	0.1	**0.046**	8290A
1,2,3,6,7,8-HxCDD	**0.45**	**J B**	5.0	0.096	pg/g	0.1	**0.045**	8290A
1,2,3,7,8,9-HxCDD	ND		5.0	0.088	pg/g	0.1	0.00	8290A
1,2,3,4,7,8-HxCDF	**0.14**	**J q B**	5.0	0.055	pg/g	0.1	**0.014**	8290A
1,2,3,6,7,8-HxCDF	**0.14**	**J q B**	5.0	0.055	pg/g	0.1	**0.014**	8290A
1,2,3,7,8,9-HxCDF	ND		5.0	0.063	pg/g	0.1	0.00	8290A
2,3,4,6,7,8-HxCDF	**0.11**	**J q**	5.0	0.059	pg/g	0.1	**0.011**	8290A

TEF Reference:
WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-2

Client Sample ID: AOC3/AOC8-S9I-2 (Continued)

Lab Sample ID: 320-81044-26

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
1,2,3,4,6,7,8-HpCDD	0.69	J B	5.0	0.047	pg/g	0.01	0.0069	8290A
1,2,3,4,6,7,8-HpCDF	0.38	J	5.0	0.083	pg/g	0.01	0.0038	8290A
1,2,3,4,7,8,9-HpCDF	ND		5.0	0.094	pg/g	0.01	0.00	8290A
OCDD	5.2	J B	10	0.11	pg/g	0.0003	0.0016	8290A
OCDF	0.74	J B	10	0.082	pg/g	0.0003	0.00022	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.16	TEQ

Client Sample ID: EB10292021

Lab Sample ID: 320-81044-31

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		9.7	0.40	pg/L	1	0.00	8290A
2,3,7,8-TCDF	0.43	J	9.7	0.18	pg/L	0.1	0.043	8290A
1,2,3,7,8-PeCDD	ND		49	0.43	pg/L	1	0.00	8290A
1,2,3,7,8-PeCDF	ND		49	0.40	pg/L	0.03	0.00	8290A
2,3,4,7,8-PeCDF	ND		49	0.40	pg/L	0.3	0.00	8290A
1,2,3,4,7,8-HxCDD	2.3	J q B	49	0.49	pg/L	0.1	0.23	8290A
1,2,3,6,7,8-HxCDD	ND		49	0.47	pg/L	0.1	0.00	8290A
1,2,3,7,8,9-HxCDD	ND		49	0.42	pg/L	0.1	0.00	8290A
1,2,3,4,7,8-HxCDF	ND		49	0.54	pg/L	0.1	0.00	8290A
1,2,3,6,7,8-HxCDF	ND		49	0.52	pg/L	0.1	0.00	8290A
1,2,3,7,8,9-HxCDF	ND		49	0.56	pg/L	0.1	0.00	8290A
2,3,4,6,7,8-HxCDF	ND		49	0.53	pg/L	0.1	0.00	8290A
1,2,3,4,6,7,8-HpCDD	0.87	J B	49	0.13	pg/L	0.01	0.0087	8290A
1,2,3,4,6,7,8-HpCDF	ND		49	0.25	pg/L	0.01	0.00	8290A
1,2,3,4,7,8,9-HpCDF	ND		49	0.32	pg/L	0.01	0.00	8290A
OCDD	5.7	J q B	97	0.37	pg/L	0.0003	0.0017	8290A
OCDF	1.6	J B	97	0.38	pg/L	0.0003	0.00048	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/L		0.28	TEQ

TEF Reference:
WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Isotope Dilution Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-2

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCDD (40-135)	TCDF (40-135)	PeCDD (40-135)	PeCDF (40-135)	HxDD (40-135)	HxCDF (40-135)	HpCDD (40-135)	HpCDF (40-135)
320-81044-19	AOC3/AOC8-S6H-2	80	71	63	74	79	84	80	82
320-81044-24	AOC3/AOC8-S9I-0.5	77		88	83	77	81	76	78
320-81044-24 - RA	AOC3/AOC8-S9I-0.5		89						
320-81044-25	AOC3/AOC8-S9I-0.5 DUP	78		86	76	79	70	80	76
320-81044-25 - RA	AOC3/AOC8-S9I-0.5 DUP		92						
320-81044-26	AOC3/AOC8-S9I-2	80	76	76	76	83	82	84	80
LCS 320-539149/2-A	Lab Control Sample	72	73	75	66	76	80	73	72
LCSD 320-539149/3-A	Lab Control Sample Dup	74	75	72	76	74	76	77	73
MB 320-539149/1-A	Method Blank	72	82	87	90	63	72	66	68

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	OCDD (40-135)							
320-81044-19	AOC3/AOC8-S6H-2	84							
320-81044-24	AOC3/AOC8-S9I-0.5	85							
320-81044-24 - RA	AOC3/AOC8-S9I-0.5								
320-81044-25	AOC3/AOC8-S9I-0.5 DUP	78							
320-81044-25 - RA	AOC3/AOC8-S9I-0.5 DUP								
320-81044-26	AOC3/AOC8-S9I-2	81							
LCS 320-539149/2-A	Lab Control Sample	75							
LCSD 320-539149/3-A	Lab Control Sample Dup	72							
MB 320-539149/1-A	Method Blank	65							

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD
TCDF = 13C-2,3,7,8-TCDF
PeCDD = 13C-1,2,3,7,8-PeCDD
PeCDF = 13C-1,2,3,7,8-PeCDF
HxDD = 13C-1,2,3,6,7,8-HxCDD
HxCDF = 13C-1,2,3,4,7,8-HxCDF
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HpCDF = 13C-1,2,3,4,6,7,8-HpCDF
OCDD = 13C-OCDD

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCDD (40-135)	TCDF (40-135)	PeCDD (40-135)	PeCDF (40-135)	HxDD (40-135)	HxCDF (40-135)	HpCDD (40-135)	HpCDF (40-135)
320-81044-31	EB10292021	85	87	85	89	88	102	112	97
LCS 320-539427/2-A	Lab Control Sample	84	85	95	92	83	91	108	98
LCSD 320-539427/3-A	Lab Control Sample Dup	90	92	100	94	88	89	102	98
MB 320-539427/1-A	Method Blank	69	74	74	77	75	81	91	80

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	OCDD (40-135)							
320-81044-31	EB10292021	119							
LCS 320-539427/2-A	Lab Control Sample	91							
LCSD 320-539427/3-A	Lab Control Sample Dup	96							
MB 320-539427/1-A	Method Blank	95							

Isotope Dilution Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-2

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD
TCDF = 13C-2,3,7,8-TCDF
PeCDD = 13C-1,2,3,7,8-PeCDD
PeCDF = 13C-1,2,3,7,8-PeCDF
HxDD = 13C-1,2,3,6,7,8-HxCDD
HxCDF = 13C-1,2,3,4,7,8-HxCDF
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HpCDF = 13C-1,2,3,4,6,7,8-HpCDF
OCDD = 13C-OCDD

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-539149/1-A
Matrix: Solid
Analysis Batch: 544394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539149

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.0	0.13	pg/g		11/02/21 10:24	11/18/21 23:13	1
2,3,7,8-TCDF	ND		1.0	0.034	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,7,8-PeCDD	ND		5.0	0.12	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,7,8-PeCDF	ND		5.0	0.066	pg/g		11/02/21 10:24	11/18/21 23:13	1
2,3,4,7,8-PeCDF	ND		5.0	0.068	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,4,7,8-HxCDD	0.377	J	5.0	0.14	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,6,7,8-HxCDD	0.201	J q	5.0	0.14	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,7,8,9-HxCDD	ND		5.0	0.13	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,4,7,8-HxCDF	0.163	J	5.0	0.059	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,6,7,8-HxCDF	0.176	J	5.0	0.059	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,7,8,9-HxCDF	0.258	J	5.0	0.066	pg/g		11/02/21 10:24	11/18/21 23:13	1
2,3,4,6,7,8-HxCDF	ND		5.0	0.063	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,4,6,7,8-HpCDD	0.312	J	5.0	0.031	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,4,6,7,8-HpCDF	ND		5.0	0.094	pg/g		11/02/21 10:24	11/18/21 23:13	1
1,2,3,4,7,8,9-HpCDF	ND		5.0	0.11	pg/g		11/02/21 10:24	11/18/21 23:13	1
OCDD	0.871	J q	10	0.11	pg/g		11/02/21 10:24	11/18/21 23:13	1
OCDF	0.478	J	10	0.089	pg/g		11/02/21 10:24	11/18/21 23:13	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*72*		*40 - 135*	*11/02/21 10:24*	*11/18/21 23:13*	*1*
13C-2,3,7,8-TCDF	*82*		*40 - 135*	*11/02/21 10:24*	*11/18/21 23:13*	*1*
13C-1,2,3,7,8-PeCDD	*87*		*40 - 135*	*11/02/21 10:24*	*11/18/21 23:13*	*1*
13C-1,2,3,7,8-PeCDF	*90*		*40 - 135*	*11/02/21 10:24*	*11/18/21 23:13*	*1*
13C-1,2,3,6,7,8-HxCDD	*63*		*40 - 135*	*11/02/21 10:24*	*11/18/21 23:13*	*1*
13C-1,2,3,4,7,8-HxCDF	*72*		*40 - 135*	*11/02/21 10:24*	*11/18/21 23:13*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*66*		*40 - 135*	*11/02/21 10:24*	*11/18/21 23:13*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*68*		*40 - 135*	*11/02/21 10:24*	*11/18/21 23:13*	*1*
13C-OCDD	*65*		*40 - 135*	*11/02/21 10:24*	*11/18/21 23:13*	*1*

Lab Sample ID: LCS 320-539149/2-A
Matrix: Solid
Analysis Batch: 544394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539149

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD	20.0	23.3		pg/g		117	77 - 130
2,3,7,8-TCDF	20.0	24.0		pg/g		120	79 - 137
1,2,3,7,8-PeCDD	100	112		pg/g		112	79 - 134
1,2,3,7,8-PeCDF	100	118		pg/g		118	81 - 134
2,3,4,7,8-PeCDF	100	117		pg/g		117	76 - 132
1,2,3,4,7,8-HxCDD	100	110		pg/g		110	65 - 144
1,2,3,6,7,8-HxCDD	100	111		pg/g		111	73 - 147
1,2,3,7,8,9-HxCDD	100	112		pg/g		112	80 - 143
1,2,3,4,7,8-HxCDF	100	109		pg/g		109	72 - 140
1,2,3,6,7,8-HxCDF	100	110		pg/g		110	63 - 152
1,2,3,7,8,9-HxCDF	100	113		pg/g		113	72 - 152
2,3,4,6,7,8-HxCDF	100	112		pg/g		112	72 - 151
1,2,3,4,6,7,8-HpCDD	100	110		pg/g		110	86 - 134
1,2,3,4,6,7,8-HpCDF	100	115		pg/g		115	81 - 137
1,2,3,4,7,8,9-HpCDF	100	115		pg/g		115	79 - 139

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-539149/2-A
Matrix: Solid
Analysis Batch: 544394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539149

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
OCDD			200	220		pg/g		110	80 - 137		
OCDF			200	224		pg/g		112	75 - 141		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*72*		*40 - 135*
13C-2,3,7,8-TCDF	*73*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*75*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*66*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*76*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*80*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*73*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*72*		*40 - 135*
13C-OCDD	*75*		*40 - 135*

Lab Sample ID: LCSD 320-539149/3-A
Matrix: Solid
Analysis Batch: 544394

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 539149

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,7,8-TCDD			20.0	22.4		pg/g		112	77 - 130	4	20
2,3,7,8-TCDF			20.0	22.9		pg/g		115	79 - 137	5	20
1,2,3,7,8-PeCDD			100	111		pg/g		111	79 - 134	1	20
1,2,3,7,8-PeCDF			100	111		pg/g		111	81 - 134	7	20
2,3,4,7,8-PeCDF			100	110		pg/g		110	76 - 132	6	20
1,2,3,4,7,8-HxCDD			100	108		pg/g		108	65 - 144	2	20
1,2,3,6,7,8-HxCDD			100	110		pg/g		110	73 - 147	1	20
1,2,3,7,8,9-HxCDD			100	111		pg/g		111	80 - 143	1	20
1,2,3,4,7,8-HxCDF			100	108		pg/g		108	72 - 140	1	20
1,2,3,6,7,8-HxCDF			100	107		pg/g		107	63 - 152	3	20
1,2,3,7,8,9-HxCDF			100	109		pg/g		109	72 - 152	3	20
2,3,4,6,7,8-HxCDF			100	108		pg/g		108	72 - 151	4	20
1,2,3,4,6,7,8-HpCDD			100	107		pg/g		107	86 - 134	3	20
1,2,3,4,6,7,8-HpCDF			100	111		pg/g		111	81 - 137	4	20
1,2,3,4,7,8,9-HpCDF			100	112		pg/g		112	79 - 139	2	20
OCDD			200	229		pg/g		115	80 - 137	4	20
OCDF			200	239		pg/g		119	75 - 141	6	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*74*		*40 - 135*
13C-2,3,7,8-TCDF	*75*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*72*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*76*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*74*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*76*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*77*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*73*		*40 - 135*
13C-OCDD	*72*		*40 - 135*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-539427/1-A
Matrix: Water
Analysis Batch: 542008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539427

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		10	0.77	pg/L		11/03/21 06:26	11/12/21 04:23	1
2,3,7,8-TCDF	ND		10	0.31	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,7,8-PeCDD	ND		50	0.81	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,7,8-PeCDF	ND		50	0.55	pg/L		11/03/21 06:26	11/12/21 04:23	1
2,3,4,7,8-PeCDF	ND		50	0.56	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,4,7,8-HxCDD	3.68	J	50	0.82	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,6,7,8-HxCDD	ND		50	0.79	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,7,8,9-HxCDD	2.18	J	50	0.70	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,4,7,8-HxCDF	ND		50	0.77	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,6,7,8-HxCDF	ND		50	0.74	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,7,8,9-HxCDF	1.20	J	50	0.79	pg/L		11/03/21 06:26	11/12/21 04:23	1
2,3,4,6,7,8-HxCDF	1.61	J	50	0.75	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,4,6,7,8-HpCDD	3.97	J	50	0.32	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,4,6,7,8-HpCDF	2.14	J	50	0.44	pg/L		11/03/21 06:26	11/12/21 04:23	1
1,2,3,4,7,8,9-HpCDF	1.83	J q	50	0.55	pg/L		11/03/21 06:26	11/12/21 04:23	1
OCDD	24.3	J	100	0.74	pg/L		11/03/21 06:26	11/12/21 04:23	1
OCDF	7.30	J q	100	0.62	pg/L		11/03/21 06:26	11/12/21 04:23	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*69*		*40 - 135*	*11/03/21 06:26*	*11/12/21 04:23*	*1*
13C-2,3,7,8-TCDF	*74*		*40 - 135*	*11/03/21 06:26*	*11/12/21 04:23*	*1*
13C-1,2,3,7,8-PeCDD	*74*		*40 - 135*	*11/03/21 06:26*	*11/12/21 04:23*	*1*
13C-1,2,3,7,8-PeCDF	*77*		*40 - 135*	*11/03/21 06:26*	*11/12/21 04:23*	*1*
13C-1,2,3,6,7,8-HxCDD	*75*		*40 - 135*	*11/03/21 06:26*	*11/12/21 04:23*	*1*
13C-1,2,3,4,7,8-HxCDF	*81*		*40 - 135*	*11/03/21 06:26*	*11/12/21 04:23*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*91*		*40 - 135*	*11/03/21 06:26*	*11/12/21 04:23*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*80*		*40 - 135*	*11/03/21 06:26*	*11/12/21 04:23*	*1*
13C-OCDD	*95*		*40 - 135*	*11/03/21 06:26*	*11/12/21 04:23*	*1*

Lab Sample ID: LCS 320-539427/2-A
Matrix: Water
Analysis Batch: 542532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539427

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD	200	224		pg/L		112	64 - 142
2,3,7,8-TCDF	200	223		pg/L		111	71 - 142
1,2,3,7,8-PeCDD	1000	1130		pg/L		113	71 - 140
1,2,3,7,8-PeCDF	1000	1120		pg/L		112	76 - 135
2,3,4,7,8-PeCDF	1000	1110		pg/L		111	74 - 137
1,2,3,4,7,8-HxCDD	1000	1200		pg/L		120	56 - 146
1,2,3,6,7,8-HxCDD	1000	1180		pg/L		118	73 - 144
1,2,3,7,8,9-HxCDD	1000	1180		pg/L		118	71 - 151
1,2,3,4,7,8-HxCDF	1000	1080		pg/L		108	75 - 131
1,2,3,6,7,8-HxCDF	1000	1060		pg/L		106	76 - 133
1,2,3,7,8,9-HxCDF	1000	1110		pg/L		111	77 - 142
2,3,4,6,7,8-HxCDF	1000	1070		pg/L		107	80 - 137
1,2,3,4,6,7,8-HpCDD	1000	1070		pg/L		107	78 - 139
1,2,3,4,6,7,8-HpCDF	1000	1100		pg/L		110	79 - 133
1,2,3,4,7,8,9-HpCDF	1000	1220		pg/L		122	83 - 130

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-539427/2-A
Matrix: Water
Analysis Batch: 542532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539427

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
OCDD			2000	2240		pg/L		112	80 - 132		
OCDF			2000	2380		pg/L		119	72 - 140		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*84*		*40 - 135*
13C-2,3,7,8-TCDF	*85*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*95*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*92*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*83*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*91*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*108*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*98*		*40 - 135*
13C-OCDD	*91*		*40 - 135*

Lab Sample ID: LCSD 320-539427/3-A
Matrix: Water
Analysis Batch: 542532

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 539427

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,7,8-TCDD			200	233		pg/L		117	64 - 142	4	20
2,3,7,8-TCDF			200	233		pg/L		116	71 - 142	5	20
1,2,3,7,8-PeCDD			1000	1130		pg/L		113	71 - 140	0	20
1,2,3,7,8-PeCDF			1000	1170		pg/L		117	76 - 135	4	20
2,3,4,7,8-PeCDF			1000	1150		pg/L		115	74 - 137	4	20
1,2,3,4,7,8-HxCDD			1000	1170		pg/L		117	56 - 146	3	20
1,2,3,6,7,8-HxCDD			1000	1140		pg/L		114	73 - 144	3	20
1,2,3,7,8,9-HxCDD			1000	1080		pg/L		108	71 - 151	8	20
1,2,3,4,7,8-HxCDF			1000	1090		pg/L		109	75 - 131	0	20
1,2,3,6,7,8-HxCDF			1000	1080		pg/L		108	76 - 133	2	20
1,2,3,7,8,9-HxCDF			1000	1140		pg/L		114	77 - 142	3	20
2,3,4,6,7,8-HxCDF			1000	1120		pg/L		112	80 - 137	4	20
1,2,3,4,6,7,8-HpCDD			1000	1080		pg/L		108	78 - 139	0	20
1,2,3,4,6,7,8-HpCDF			1000	1090		pg/L		109	79 - 133	0	20
1,2,3,4,7,8,9-HpCDF			1000	1240		pg/L		124	83 - 130	2	20
OCDD			2000	2120		pg/L		106	80 - 132	5	20
OCDF			2000	2250		pg/L		112	72 - 140	6	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*90*		*40 - 135*
13C-2,3,7,8-TCDF	*92*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*100*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*94*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*88*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*89*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*102*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*98*		*40 - 135*
13C-OCDD	*96*		*40 - 135*

QC Association Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-2

Specialty Organics

Prep Batch: 539149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-19	AOC3/AOC8-S6H-2	Total/NA	Solid	8290	
320-81044-24 - RA	AOC3/AOC8-S9I-0.5	Total/NA	Solid	8290	
320-81044-24	AOC3/AOC8-S9I-0.5	Total/NA	Solid	8290	
320-81044-25 - RA	AOC3/AOC8-S9I-0.5 DUP	Total/NA	Solid	8290	
320-81044-25	AOC3/AOC8-S9I-0.5 DUP	Total/NA	Solid	8290	
320-81044-26	AOC3/AOC8-S9I-2	Total/NA	Solid	8290	
MB 320-539149/1-A	Method Blank	Total/NA	Solid	8290	
LCS 320-539149/2-A	Lab Control Sample	Total/NA	Solid	8290	
LCSD 320-539149/3-A	Lab Control Sample Dup	Total/NA	Solid	8290	

Prep Batch: 539427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-31	EB10292021	Total/NA	Water	8290	
MB 320-539427/1-A	Method Blank	Total/NA	Water	8290	
LCS 320-539427/2-A	Lab Control Sample	Total/NA	Water	8290	
LCSD 320-539427/3-A	Lab Control Sample Dup	Total/NA	Water	8290	

Analysis Batch: 542008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-31	EB10292021	Total/NA	Water	8290A	539427
MB 320-539427/1-A	Method Blank	Total/NA	Water	8290A	539427

Analysis Batch: 542532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-539427/2-A	Lab Control Sample	Total/NA	Water	8290A	539427
LCSD 320-539427/3-A	Lab Control Sample Dup	Total/NA	Water	8290A	539427

Analysis Batch: 544394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-19	AOC3/AOC8-S6H-2	Total/NA	Solid	8290A	539149
MB 320-539149/1-A	Method Blank	Total/NA	Solid	8290A	539149
LCS 320-539149/2-A	Lab Control Sample	Total/NA	Solid	8290A	539149
LCSD 320-539149/3-A	Lab Control Sample Dup	Total/NA	Solid	8290A	539149

Analysis Batch: 544396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-24	AOC3/AOC8-S9I-0.5	Total/NA	Solid	8290A	539149
320-81044-25	AOC3/AOC8-S9I-0.5 DUP	Total/NA	Solid	8290A	539149
320-81044-26	AOC3/AOC8-S9I-2	Total/NA	Solid	8290A	539149

Analysis Batch: 544985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-24 - RA	AOC3/AOC8-S9I-0.5	Total/NA	Solid	8290A	539149
320-81044-25 - RA	AOC3/AOC8-S9I-0.5 DUP	Total/NA	Solid	8290A	539149

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-2

Client Sample ID: AOC3/AOC8-S6H-2

Lab Sample ID: 320-81044-19
Date Collected: 10/29/21 10:56
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.44 g	20.0 uL	539149	11/02/21 10:24	FC	TAL SAC
Total/NA	Analysis	8290A		1			544394	11/19/21 05:36	GRB	TAL SAC

Client Sample ID: AOC3/AOC8-S9I-0.5

Lab Sample ID: 320-81044-24
Date Collected: 10/29/21 11:14
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290	RA		10.43 g	20.0 uL	539149	11/02/21 10:24	FC	TAL SAC
Total/NA	Analysis	8290A	RA	1			544985	11/21/21 23:11	KSS	TAL SAC
Total/NA	Prep	8290			10.43 g	20.0 uL	539149	11/02/21 10:24	FC	TAL SAC
Total/NA	Analysis	8290A		1			544396	11/19/21 13:14	GRB	TAL SAC

Client Sample ID: AOC3/AOC8-S9I-0.5 DUP

Lab Sample ID: 320-81044-25
Date Collected: 10/29/21 11:14
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290	RA		10.33 g	20.0 uL	539149	11/02/21 10:24	FC	TAL SAC
Total/NA	Analysis	8290A	RA	1			544985	11/21/21 23:49	KSS	TAL SAC
Total/NA	Prep	8290			10.33 g	20.0 uL	539149	11/02/21 10:24	FC	TAL SAC
Total/NA	Analysis	8290A		1			544396	11/19/21 14:02	GRB	TAL SAC

Client Sample ID: AOC3/AOC8-S9I-2

Lab Sample ID: 320-81044-26
Date Collected: 10/29/21 11:15
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.00 g	20.0 uL	539149	11/02/21 10:24	FC	TAL SAC
Total/NA	Analysis	8290A		1			544396	11/19/21 14:50	GRB	TAL SAC

Client Sample ID: EB10292021

Lab Sample ID: 320-81044-31
Date Collected: 10/29/21 12:00
Matrix: Water
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			1026.8 mL	20.0 uL	539427	11/03/21 06:26	FC	TAL SAC
Total/NA	Analysis	8290A		1			542008	11/12/21 11:53	GRB	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-2

Laboratory: Eurofins TestAmerica, Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
TEQ		Solid	Total Dioxin/Furan TEQ
TEQ		Water	Total Dioxin/Furan TEQ

Method Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-2

Method	Method Description	Protocol	Laboratory
8290A	Dioxins and Furans (HRGC/HRMS)	SW846	TAL SAC
TEQ	Total TEQ Calculation	Lab SOP	TAL SAC
8290	Separatory Funnel (Liquid-Liquid) Extraction of Dioxins and Furans	SW846	TAL SAC
8290	Soxhlet Extraction of Dioxins and Furans	SW846	TAL SAC

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

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

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-81044-19	AOC3/AOC8-S6H-2	Solid	10/29/21 10:56	10/29/21 14:21
320-81044-24	AOC3/AOC8-S9I-0.5	Solid	10/29/21 11:14	10/29/21 14:21
320-81044-25	AOC3/AOC8-S9I-0.5 DUP	Solid	10/29/21 11:14	10/29/21 14:21
320-81044-26	AOC3/AOC8-S9I-2	Solid	10/29/21 11:15	10/29/21 14:21
320-81044-31	EB10292021	Water	10/29/21 12:00	10/29/21 14:21

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
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Chain of Custody Record

320-81044

201258

eurofins

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

Client Contact	**Project Manager:** Nathan Diem	**Site Contact:** Daysi Nemeno	**Date:** 10/29/21
Ninyo & Moore	**Email** ndiem@ninyoandmoore.com	**Lab Contact:** Justinn Gonzales	**Carrier:** Test America
2020 Challenger Drive, Suite 103	**Tel/Fax:** (510) 343-3000 ext. 15226		**COC No:** 1
Alameda California 94501	**Analysis Turnaround Time**		1 of 3 COCs
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS		**Sampler:** DNR
(510) 343-3001	TAT if different from Below ____		**For Lab Use Only:**
Project Name: Cole School PEA	☐ 2 weeks		Walk-in Client:
Site: 11101 Union Street, Oakland	☐ 1 week		Lab Sampling
P O # 403668001	☐ 2 days		Job / SDG No.
	☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	SVOCs (EPA Test Method 8270C SIM)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC3-S1I-0.5	10/29/21	0838	G	Soil	1							X	X		X	
AOC3-S1I-2		0840										X				
AOC3-S2I-0.5		0841										X	X		X	
AOC3-S2I-2		0842										X				
AOC3-S6I-0.5		0902								X		X	X			
AOC3-S6I-0.5 DUP		0902								X		X	X			
AOC3-S6I-2		0905										X				
AOC3-S8F-0.5		0932										X	X		X	
AOC3-S8F-2		0933										X				
AOC3-S9G-0.5		0936										X	X		X	
AOC3-S9G-2		0937										X				

320-81044 Chain of Custody

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for ____ Months

Special Instructions/QC Requirements & Comments.
Hold samples for additional analyses

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.		Cooler Temp. (°C): Obs'd.	Corr'd:	Therm ID No.
Relinquished by: Daysi Nemeno	Company: NMW	Date/Time: 10/29/21 1307	Received by:	Company: ETAS	Date/Time: 10/29/21 13:07
Relinquished by:	Company: ETAS	Date/Time: 10/29/21 14:21	Received by:	Company: ETAS	Date/Time: 10-29-21/1421
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

1.0 c° 1.8° 0.8°

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12/15/2021 (Rev. 1)

Eurofins TestAmerica Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Chain of Custody Record

320-81044

201258

eurofins

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Noriega	Date: 10/29/21	COC No: 1
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: Test America	2 of 3 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNP
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling:
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes.
AOC3-S7F-0.5	10/29/21	1017	G	Soil	1							X	X		X	
AOC3-S7F-2	10/29/21	1019										X				
AOC3-S8G-0.5		1021										X	X		X	
AOC3-S8G-2		1022										X				
AOC3-S7G-0.5		1031										X	X		X	
AOC3-S7G-2		1032										X				
AOC3/AOC8-S6H-0.5		1055										X	X	X	X	
AOC3/AOC8-S6H-2		1056										X		X		
AOC3-S7H-0.5		1057								X	DNP	X	X			
AOC3-S7H-2		1058										X				
AOC3-S8H-0.5		1059										X	X		X	

Preservation Used. 1= Ice, 2= HCl, 3= H_2SO_4; 4=HNO_3; 5=NaOH, 6= Other _____

Possible Hazard Identification.
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments.
Hold samples for additional analyses

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.		Cooler Temp (°C): Obs'd. _____ Corr'd: _____ Therm ID No.: _____		
Relinquished by: Daysi Noriega	Company: NMM	Date/Time: 10/29/21 1307	Received by: G. Fick	Company: ETA SC	Date/Time: 10/29/21 1307
Relinquished by: A. Jones	Company: ETA SC	Date/Time: 10/29/21 1421	Received by: Justinn Mulley	Company: ETA SC	Date/Time: 10-29-21 1424
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

Chain of Custody Record

320-81044

201258

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467 7248

eurofins

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other:

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemecio	Date: 10/29/21	COC No: 1
Ninyo & Moore	Email ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: Test America	3 of 3 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNE
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below ______			Lab Sampling
Project Name: Cole School PEA	☑ 2 weeks			Job / SDG No.
Site: 11101 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes:
AOC3-S8H-2	10/29/21	1100	G	soil	1							X				
AOC3/AOC8-S9I-0.5		1114								X		X	X	X		
AOC3/AOC8-S9I-0.5DUP		1114								X		X	X	X		
AOC3/AOC8-S9I-2		1115										X		X		
AOC3-S8H-0.5		1116										X	X		X	
AOC3-S8H-2		1117										X				
AOC3-S7I-0.5		1118										X	X		X	
AOC3-S7I-2		1119										X				
EB10292021		1200		H_2O	3					X		X	X	X		

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

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

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

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

☐Return to Client ☐Disposal by Lab ☐Archive for ______ Months

Special Instructions/QC Requirements & Comments.

Hold samples for additional analyses

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp. (°C): Obs'd ______ Corr'd ______ Therm ID No.______

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Daysi Nemecio	N&M	10/29/21 1307	G. Fish	EM SJ	10/29/21 1307
G. Fish	EM SJ	10/29/21 1421	Jonn Muller	ETA SJ	10-29-21 1421
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-004, Rev 1 17 dated 6/27/2019

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247576.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 1 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81044-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Preservation Codes:

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

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, As	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B CAM 17 List, minus Mercury	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	6010B/3010A CAM 17 List, minus Mercury	7470A/7470A_Prep Mercury Only	8081A/3510C_LVI Pesticides, Standard List	8082/3510C_LVI PCBs, Standard List				Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
AOC3-S1I-0.5 (320-81044-1)	10/29/21	08:38 Pacific		Solid			X	X	X												1	
AOC3-S1I-2 (320-81044-2)	10/29/21	08:40 Pacific		Solid				X													1	
AOC3-S2I-0.5 (320-81044-3)	10/29/21	08:41 Pacific		Solid			X	X	X												1	
AOC3-S2I-2 (320-81044-4)	10/29/21	08:42 Pacific		Solid				X													1	
AOC3-S6I-0.5 (320-81044-5)	10/29/21	09:02 Pacific		Solid				X	X	X											1	
AOC3-S6I-0.5-DUP (320-81044-6)	10/29/21	09:02 Pacific		Solid				X	X	X											1	
AOC3-S6I-2 (320-81044-7)	10/29/21	09:05 Pacific		Solid				X													1	
AOC3-S8F-0.5 (320-81044-8)	10/29/21	09:32 Pacific		Solid			X	X	X												1	
AOC3-S8F-2 (320-81044-9)	10/29/21	09:33 Pacific		Solid				X													1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	11-1-21 1615	ST	[signature]	11-1-21 1615	DCS
2	[signature]	11-1-21 1930	DCS	[signature]	11/2/21 1930	EESAC
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.6

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gonzales, Justinn	Carrier Tracking No(s)	COC No: 320-247576.2
Client Contact: Shipping/Receiving	Phone	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 2 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81044-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email:	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#			

Preservation Codes:

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

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, As	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B CAM 17 List, minus Mercury	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	6010B/3010A CAM 17 List, minus Mercury	7470A/7470A_Prep Mercury Only	8081A/3510C_LVI Pesticides, Standard List	8082/3510C_LVI PCBs, Standard List	Total Number of containers	Special Instructions/Note:
			Preservation Code:															
AOC3-S9G-0.5 (320-81044-10)	10/29/21	09:36 Pacific		Solid			X	X	X								1	
AOC3-S9G-2 (320-81044-11)	10/29/21	09:37 Pacific		Solid				X									1	
AOC3-S7F-0.5 (320-81044-12)	10/29/21	10:17 Pacific		Solid			X	X	X								1	
AOC3-S7F-2 (320-81044-13)	10/29/21	10:19 Pacific		Solid				X									1	
AOC3-S8G-0.5 (320-81044-14)	10/29/21	10:21 Pacific		Solid			X	X	X								1	
AOC3-S8G-2 (320-81044-15)	10/29/21	10:22 Pacific		Solid				X									1	
AOC3-S7G-0.5 (320-81044-16)	10/29/21	10:31 Pacific		Solid			X	X	X								1	
AOC3-S7G-2 (320-81044-17)	10/29/21	10:32 Pacific		Solid				X									1	
AOC3/AOC8-S6H-0.5 (320-81044-18)	10/29/21	10:55 Pacific		Solid			X	X	X		X						1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) — Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	11-1-21 1615	ES	[signature]	11-1-21 1615	DES
2	[signature]	11-1-21 1930	DES	[signature]	11/1/21 1930	EEISAC
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247576.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 3 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81044-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email:	WO #			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, As	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B CAM 17 List, minus Mercury	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	6010B/3010A CAM 17 List, minus Mercury	7470A/7470A_Prep Mercury Only	8081A/3510C_LVI Pesticides, Standard List	8082/3510C_LVI PCBs, Standard List				Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
AOC3/AOC8-S6H-2 (320-81044-19)	10/29/21	10:56 Pacific		Solid				X			X										1	
AOC3-S7H-0.5 (320-81044-20)	10/29/21	10:57 Pacific		Solid				X	X	X											1	
AOC3-S7H-2 (320-81044-21)	10/29/21	10:58 Pacific		Solid				X													1	
AOC3-S8H-0.5 (320-81044-22)	10/29/21	10:59 Pacific		Solid			X	X	X												1	
AOC3-S8H-2 (320-81044-23)	10/29/21	11:00 Pacific		Solid				X													1	
AOC3/AOC8-S9I-0.5 (320-81044-24)	10/29/21	11:14 Pacific		Solid				X	X	X	X										1	
AOC3/AOC8-S9I-0.5-DUP (320-81044-25)	10/29/21	11:14 Pacific		Solid				X	X	X	X										1	
AOC3/AOC8-S9I-2 (320-81044-26)	10/29/21	11:15 Pacific		Solid				X			X										1	
AOC3-S8H-0.5 (320-81044-27)	10/29/21	11:16 Pacific		Solid			X	X	X												1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	10-1-21 1615	ST	[signature]	10-1-21 1615	DCS
2	[signature]	10-1-21 1930	DCS	[signature]	10/1/21-1930	EETSAC
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247576.4
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 4 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81044-1
Address: 880 Riverside Parkway.	Due Date Requested: 11/5/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, As	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	6010B/3050B CAM 17 List, minus Mercury	8290/8290_P_Sox 17 Isomers List	8290A/8290_P_Sep 17 Isomers List	6010B/3050A CAM 17 List, minus Mercury	7470A/7470A_Prep Mercury Only	8081A/3510C_LVI Pesticides, Standard List	8082/3510C_LVI PCBs, Standard List				Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
AOC3-S8H-2 (320-81044-28)	10/29/21	11:17 Pacific		Solid				X													1	
AOC3-S7I-0.5 (320-81044-29)	10/29/21	11:18 Pacific		Solid			X	X	X												1	
AOC3-S7I-2 (320-81044-30)	10/29/21	11:19 Pacific		Solid				X													1	
EB10292021 (320-81044-31)	10/29/21	12:00 Pacific		Water								X	X	X	X	X					~~1~~ 2 sm 11-6-21	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	11-1-21 1615	ST	[signature]	11-1-21 1615	DLS
2	[signature]	11-1-21 1830	DLS	[signature]	11/1/21 1430	EESAT
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

TestAmerica CUSTODY SEAL

Date 11/1/21 Signature [signature]

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Part # 69-434 MTW EXP 07/22

320-81044 Waybill

ORIGIN ID:LVKA (928) 484-1919
SAMPLE RECEIVING
EUROFINS TEST AMERICA
780 MONTAGUE EXPRESSWAY
SUITE 602
SAN JOSE, CA 95131
UNITED STATES US

SHIP DATE: 01NOV21
ACTWGT: 30.05 LB
CAD: 0795504/CAFE3507
DIMS: 28x16x15 IN

BILL SENDER

TO SAMPLE RECEIVING
EUROFINS CALSCIENCE, LLC
7440 LINCOLN WAY

GARDEN GROVE CA 92841
(714) 895-5494 REF:
INV:
PO: DEPT:

S70C1/A822/6F4D

FedEx Express

E

J211020121101uv

TUE - 02 NOV 11:30A
PRIORITY OVERNIGHT

TRK# 0201 5047 2941 7677

92 APVA

92841
CA-US SNA

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81044-2

Login Number: 81044
List Number: 1
Creator: Mullen, Joan

List Source: Eurofins TestAmerica, Sacramento

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

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81044-2

Login Number: 81044
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	1.6
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-81044-3
Client Project/Site: Cole School PEA
Revision: 1

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Mr. Nathan Diem

Authorized for release by:
12/15/2021 11:47:07 AM

Justinn Gonzales, Project Manager I
(925)484-1919
Justinn.Gonzales@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

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: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

Job ID: 320-81044-3

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-81044-3

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 11/22/2021. The report (revision 1) is being revised due to: Report samples to MDL per client request.

Receipt
The samples were received on 10/29/2021 2:21 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 0.8º C, 1.0º C and 1.8º C.

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

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

Client Sample ID: AOC3-S1I-2 — Lab Sample ID: 320-81044-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	16		0.97	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S6I-2 — Lab Sample ID: 320-81044-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	28		0.97	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S7F-2 — Lab Sample ID: 320-81044-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	41		1.0	0.26	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S7G-2 — Lab Sample ID: 320-81044-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.3		0.95	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3/AOC8-S6H-2 — Lab Sample ID: 320-81044-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	14		0.98	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S7H-2 — Lab Sample ID: 320-81044-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.3		0.96	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S8H-2 — Lab Sample ID: 320-81044-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	14		0.95	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3/AOC8-S9I-2 — Lab Sample ID: 320-81044-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	8.9		0.97	0.25	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC3-S7I-2 — Lab Sample ID: 320-81044-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.9		0.95	0.25	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

Client Sample ID: AOC3-S1I-2
Date Collected: 10/29/21 08:40
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-2
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	16		0.97	0.25	mg/Kg		11/18/21 13:37	11/19/21 11:27	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

Client Sample ID: AOC3-S6I-2
Date Collected: 10/29/21 09:05
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-7
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	28		0.97	0.25	mg/Kg		11/18/21 13:37	11/19/21 11:31	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

Client Sample ID: AOC3-S7F-2
Date Collected: 10/29/21 10:19
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-13
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	41		1.0	0.26	mg/Kg		11/18/21 13:37	11/19/21 11:34	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

Client Sample ID: AOC3-S7G-2

Date Collected: 10/29/21 10:32
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-17

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.3		0.95	0.25	mg/Kg		11/18/21 13:37	11/19/21 11:46	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

Client Sample ID: AOC3/AOC8-S6H-2

Lab Sample ID: 320-81044-19

Date Collected: 10/29/21 10:56

Matrix: Solid

Date Received: 10/29/21 14:21

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		0.98	0.25	mg/Kg		11/18/21 13:37	11/19/21 11:50	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

Client Sample ID: AOC3-S7H-2

Date Collected: 10/29/21 10:58
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-21

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.3		0.96	0.25	mg/Kg		11/18/21 13:37	11/19/21 11:54	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

Client Sample ID: AOC3-S8H-2
Date Collected: 10/29/21 11:00
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-23
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		0.95	0.25	mg/Kg		11/18/21 13:37	11/19/21 11:57	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

Client Sample ID: AOC3/AOC8-S9I-2

Date Collected: 10/29/21 11:15
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-26

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.9		0.97	0.25	mg/Kg		11/18/21 13:37	11/19/21 12:01	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

Client Sample ID: AOC3-S7I-2

Date Collected: 10/29/21 11:19
Date Received: 10/29/21 14:21

Lab Sample ID: 320-81044-30

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.9		0.95	0.25	mg/Kg		11/18/21 13:37	11/19/21 12:05	1

QC Sample Results

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 320-543922/1-A
Matrix: Solid
Analysis Batch: 544371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 543922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.26	mg/Kg		11/18/21 13:37	11/19/21 10:14	1

Lab Sample ID: LCS 320-543922/2-A
Matrix: Solid
Analysis Batch: 544371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 543922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	25.0	22.4		mg/Kg		89	80 - 120

QC Association Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

Metals

Prep Batch: 543922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-2	AOC3-S1I-2	Total/NA	Solid	3050B	
320-81044-7	AOC3-S6I-2	Total/NA	Solid	3050B	
320-81044-13	AOC3-S7F-2	Total/NA	Solid	3050B	
320-81044-17	AOC3-S7G-2	Total/NA	Solid	3050B	
320-81044-19	AOC3/AOC8-S6H-2	Total/NA	Solid	3050B	
320-81044-21	AOC3-S7H-2	Total/NA	Solid	3050B	
320-81044-23	AOC3-S8H-2	Total/NA	Solid	3050B	
320-81044-26	AOC3/AOC8-S9I-2	Total/NA	Solid	3050B	
320-81044-30	AOC3-S7I-2	Total/NA	Solid	3050B	
MB 320-543922/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-543922/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 544371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81044-2	AOC3-S1I-2	Total/NA	Solid	6010B	543922
320-81044-7	AOC3-S6I-2	Total/NA	Solid	6010B	543922
320-81044-13	AOC3-S7F-2	Total/NA	Solid	6010B	543922
320-81044-17	AOC3-S7G-2	Total/NA	Solid	6010B	543922
320-81044-19	AOC3/AOC8-S6H-2	Total/NA	Solid	6010B	543922
320-81044-21	AOC3-S7H-2	Total/NA	Solid	6010B	543922
320-81044-23	AOC3-S8H-2	Total/NA	Solid	6010B	543922
320-81044-26	AOC3/AOC8-S9I-2	Total/NA	Solid	6010B	543922
320-81044-30	AOC3-S7I-2	Total/NA	Solid	6010B	543922
MB 320-543922/1-A	Method Blank	Total/NA	Solid	6010B	543922
LCS 320-543922/2-A	Lab Control Sample	Total/NA	Solid	6010B	543922

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

Client Sample ID: AOC3-S1I-2
Lab Sample ID: 320-81044-2
Date Collected: 10/29/21 08:40
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.03 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 11:27	GSH	TAL SAC

Client Sample ID: AOC3-S6I-2
Lab Sample ID: 320-81044-7
Date Collected: 10/29/21 09:05
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.03 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 11:31	GSH	TAL SAC

Client Sample ID: AOC3-S7F-2
Lab Sample ID: 320-81044-13
Date Collected: 10/29/21 10:19
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.00 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 11:34	GSH	TAL SAC

Client Sample ID: AOC3-S7G-2
Lab Sample ID: 320-81044-17
Date Collected: 10/29/21 10:32
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 11:46	GSH	TAL SAC

Client Sample ID: AOC3/AOC8-S6H-2
Lab Sample ID: 320-81044-19
Date Collected: 10/29/21 10:56
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.02 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 11:50	GSH	TAL SAC

Client Sample ID: AOC3-S7H-2
Lab Sample ID: 320-81044-21
Date Collected: 10/29/21 10:58
Matrix: Solid
Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.04 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 11:54	GSH	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

Client Sample ID: AOC3-S8H-2

Lab Sample ID: 320-81044-23

Date Collected: 10/29/21 11:00

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 11:57	GSH	TAL SAC

Client Sample ID: AOC3/AOC8-S9I-2

Lab Sample ID: 320-81044-26

Date Collected: 10/29/21 11:15

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.03 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 12:01	GSH	TAL SAC

Client Sample ID: AOC3-S7I-2

Lab Sample ID: 320-81044-30

Date Collected: 10/29/21 11:19

Matrix: Solid

Date Received: 10/29/21 14:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	543922	11/18/21 13:37	JP	TAL SAC
Total/NA	Analysis	6010B		1			544371	11/19/21 12:05	GSH	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-22

Method Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL SAC
3050B	Preparation, Metals	SW846	TAL SAC

Protocol References:

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

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81044-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-81044-2	AOC3-S1I-2	Solid	10/29/21 08:40	10/29/21 14:21
320-81044-7	AOC3-S6I-2	Solid	10/29/21 09:05	10/29/21 14:21
320-81044-13	AOC3-S7F-2	Solid	10/29/21 10:19	10/29/21 14:21
320-81044-17	AOC3-S7G-2	Solid	10/29/21 10:32	10/29/21 14:21
320-81044-19	AOC3/AOC8-S6H-2	Solid	10/29/21 10:56	10/29/21 14:21
320-81044-21	AOC3-S7H-2	Solid	10/29/21 10:58	10/29/21 14:21
320-81044-23	AOC3-S8H-2	Solid	10/29/21 11:00	10/29/21 14:21
320-81044-26	AOC3/AOC8-S9I-2	Solid	10/29/21 11:15	10/29/21 14:21
320-81044-30	AOC3-S7I-2	Solid	10/29/21 11:19	10/29/21 14:21

Gonzales, Justinn

From: Nathan Diem <ndiem@ninyoandmoore.com>
Sent: Wednesday, November 17, 2021 6:32 AM
To: Gonzales, Justinn
Subject: RE: Preliminary Eurofins TestAmerica report files from 320-81044-1 Cole School PEA

Follow Up Flag: Follow up
Flag Status: Flagged

EXTERNAL EMAIL*

Please run the samples below for lead:

AOC3-S1I-2
AOC3-S6I-2
AOC3-S7F-2
AOC3-S7G-2
AOC3/AOC8-S6H-2
AOC3-S7H-2
AOC3-S8H-2
AOC3/AOC8-S9I-2
AOC3-S7I-2

Thanks

Nathan Diem
Project Geologist
Ninyo & Moore
510.343.3000 (**x15226**)

From: Justinn Gonzales [mailto:Justinn.Gonzales@Eurofinset.com]
Sent: Tuesday, November 16, 2021 4:35 PM
To: Nathan Diem <ndiem@ninyoandmoore.com>
Subject: Preliminary Eurofins TestAmerica report files from 320-81044-1 Cole School PEA

Hello,

Attached please find the report files for job 320-81044-1; Cole School PEA

Please feel free to contact me if you have any questions.

Thank you.

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81044-3

Login Number: 81044
List Number: 1
Creator: Mullen, Joan

List Source: Eurofins TestAmerica, Sacramento

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

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81044-3

Login Number: 81044
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	1.6
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-81134-1
Client Project/Site: Cole School PEA
Revision: 2

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Mr. Nathan Diem

Authorized for release by:
12/21/2021 3:16:26 PM

Justinn Gonzales, Project Manager I
(925)484-1919
Justinn.Gonzales@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
P	The %RPD between the primary and confirmation column/detector is >40%. The higher value has been reported
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

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

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 320-81134-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-81134-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 11/24/2021. The report (revision 2) is being revised due to: Correct sample ID for sample 12.

Report revision history
Revision 1 - 12/15/2021 - Reason - Report samples to MDL per client request.

Receipt
The samples were received on 11/2/2021 12:48 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.0º C.

Receipt Exceptions
Only 2 1 liter ambers received for the following methods: 8081, 8082, 8015 D/M and 8270C SIM. Not enough sample volume for all methods. PM confirmed with client on methods to analyze.

GC/MS VOA
Method 8260B/CA_LUFTMS: The ending CCV for batch 540739 (CCV 320-540739/32) was outside acceptance limits with a low bias. Two consecutive CCVs (CCV 320-540739/34, CCV 320-540739/35) were analyzed the next morning, outside the 12 hour tune window to demonstrate that the instrument was still in calibration. AOC4-S1-5 (320-81134-8), AOC4-S1-10 (320-81134-9), AOC4-S1-15 (320-81134-10), (CCV 320-540739/32), (CCV 320-540739/34) and (CCV 320-540739/35).

Method 8260B: Internal standard (ISTD) response for Dioxane-d8 for the following samples in analytical batch 320-541535 was outside acceptance criteria: (LCSD 320-541535/5). This ISTD does not correspond to any of the requested target compounds reported from this analytical batch; therefore, the data have been reported.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 320-541535.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-539553 and analytical batch 320-541763.

Method 8260B: Internal standard (ISTD) response for the following sample was outside control limits: AOC4-S1-15 (320-81134-10). The sample(s) was re-extracted and/or re-analyzed and ISTD response was outside control limits.

Method 8260B: Internal standard (ISTD) response for the following sample was outside control limits: AOC4-S1-15 (320-81134-10). The sample(s) was re-analyzed and ISTD response was outside control limits. The original analysis has been reported.

Method 8260B/CA_LUFTMS: The ending CCV for batch 541762 (CCV 320-541762/30) was outside acceptance limits with a low bias. Two consecutive CCVs (CCV 320-541762/34, CCV 320-541762/35) were analyzed the next morning, outside the 12 hour tune window to demonstrate that the instrument was still in calibration. AOC4-S1-5 (320-81134-8), AOC4-S1-10 (320-81134-9), AOC4-S1-15 (320-81134-10), AOC4-S1-5 DUP (320-81134-11), AOC9-SG3-5 (320-81134-12) and (CCV 320-541762/30).

Method 8260B: The laboratory control sample (LCS) for analytical batch 320-542727 recovered outside control limits for the following analytes: N-Propylbenzene, tert-Butylbenzene and Vinyl chloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The laboratory control sample duplicate (LCSD) for analytical batch 320-542727 recovered outside control limits for the following analytes: N-Propylbenzene, tert-Butylbenzene and sec-Butylbenzene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Job ID: 320-81134-1 (Continued)

Laboratory: Eurofins TestAmerica, Sacramento (Continued)

Method 8260B/CA_LUFTMS: The ending CCV for batch 542094 (CCV 320-542094/32) was outside acceptance limits with a low bias. Two consecutive CCVs (CCV 320-542094/34, CCV 320-542094/35) were analyzed the next morning, outside the 12 hour tune window to demonstrate that the instrument was still in calibration. AOC4-S1-5 DUP (320-81134-11), AOC9-SG3-5 (320-81134-12), AOC9-SG3-10 (320-81134-13), AOC9-SG4-5 (320-81134-14), AOC9-SG4-10 (320-81134-15), AOC9-S2-5 (320-81134-18), AOC9-S2-10 (320-81134-19), (CCV 320-542094/32), (CCV 320-542094/34) and (CCV 320-542094/35).

Method 8260B: Reanalysis of the following sample(s) was performed outside of the analytical holding time. The sample had low internal standard recoveries in original analysis, it was then reanalyzed within holding time but no reportable data was generated due to vial leakage. The sample was then re-prepped and reanalyzed out of the analytical holding time: AOC4-S1-10 (320-81134-9).

Method 8260B/CA_LUFTMS: Reanalysis of the following sample was performed outside of the analytical holding time. The sample did not generate a reportable result in original and second analysis within hold due to vial leakage. They were then re-prepped and reanalyzed out of the analytical holding time and the out of hold result has been reported: AOC4-S1-5 (320-81134-8).

Method 8260B: Reanalysis of the following sample was performed outside of the analytical holding time. The samples did not generate a reportable result in original and second analysis within hold due to vial leakage. They were then re-prepped and reanalyzed out of the analytical holding time and the out of hold results has been reported: AOC4-S1-5 (320-81134-8).

Method 8260B: The method blank for analytical batches 320-542727, 320-542091, 320-540740, and 320-541763 contained Naphthalene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed.

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

GC Semi VOA

Method 8015B: Surrogate recovery for the following sample was outside control limits: AOC6-S9B-4 (320-81134-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: AOC4-S1-5 (320-81134-8), AOC4-S1-5 DUP (320-81134-11), AOC9-S2-10 (320-81134-19) and AOC6-S9B-4 (320-81134-20).

Method 8015B: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: AOC4-S1-10 (320-81134-9), AOC9-SG3-5 (320-81134-12), AOC9-SG3-10 (320-81134-13), AOC9-SG4-10 (320-81134-15) and AOC9-S2-5 (320-81134-18).

Method 8082: Surrogate recovery for the following sample was outside control limits: AOC6-S9B-4 (320-81134-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Metals

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

Organic Prep

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with method 8082 aqueous in preparation batch 320-540241.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with method 8015B_DRO/8015B_DRO_DOD5 aqueous inpreparation batch 320-540321.

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

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC1-S9A-0.5 — Lab Sample ID: 320-81134-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	60		1.0	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	5.1		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC1-S9A-0.5 DUP — Lab Sample ID: 320-81134-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	72		0.66	0.17	mg/Kg	1		6010B	Total/NA
Arsenic	4.7		1.3	0.86	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC1-S9A-2 — Lab Sample ID: 320-81134-3

No Detections.

Client Sample ID: AOC1-S1-0.5 — Lab Sample ID: 320-81134-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	0.87	J	3.4	0.50	ug/Kg	2		8081A	Total/NA
PCB-1260	4.9	J	33	2.7	ug/Kg	1		8082	Total/NA
Lead	430		0.99	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	6.7		2.0	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC1-S1-0.5 DUP — Lab Sample ID: 320-81134-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	1.7	J P	3.4	0.50	ug/Kg	2		8081A	Total/NA
PCB-1260	8.5	J P	66	5.4	ug/Kg	2		8082	Total/NA
Lead	480		0.97	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	4.0		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC1-S1-2 — Lab Sample ID: 320-81134-6

No Detections.

Client Sample ID: AOC1-S1-2 DUP — Lab Sample ID: 320-81134-7

No Detections.

Client Sample ID: AOC4-S1-5 — Lab Sample ID: 320-81134-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.3		1.0	0.50	mg/Kg	1		8015B	Total/NA
Motor Oil Range Organics [C24-C36]	4.6	J	5.0	3.8	mg/Kg	1		8015B	Total/NA
Arsenic	3.7		2.0	1.3	mg/Kg	1		6010B	Total/NA
Barium	60		0.98	0.12	mg/Kg	1		6010B	Total/NA
Beryllium	0.60		0.20	0.029	mg/Kg	1		6010B	Total/NA
Cadmium	0.085	J	0.20	0.029	mg/Kg	1		6010B	Total/NA
Cobalt	7.5		0.49	0.25	mg/Kg	1		6010B	Total/NA
Chromium	50		0.49	0.14	mg/Kg	1		6010B	Total/NA
Copper	9.0	B	1.5	0.22	mg/Kg	1		6010B	Total/NA
Nickel	36		0.98	0.24	mg/Kg	1		6010B	Total/NA
Lead	12		0.98	0.25	mg/Kg	1		6010B	Total/NA
Antimony	11		2.0	0.92	mg/Kg	1		6010B	Total/NA
Vanadium	31		0.49	0.19	mg/Kg	1		6010B	Total/NA
Zinc	28		2.0	0.19	mg/Kg	1		6010B	Total/NA
Mercury	0.050	J B	0.086	0.014	mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC4-S1-10 — Lab Sample ID: 320-81134-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	0.60	J	1.0	0.50	mg/Kg	1		8015B	Total/NA
Arsenic	2.2		1.9	1.2	mg/Kg	1		6010B	Total/NA
Barium	49		0.95	0.11	mg/Kg	1		6010B	Total/NA
Beryllium	0.49		0.19	0.029	mg/Kg	1		6010B	Total/NA
Cadmium	0.058	J	0.19	0.029	mg/Kg	1		6010B	Total/NA
Cobalt	4.9		0.48	0.24	mg/Kg	1		6010B	Total/NA
Chromium	36		0.48	0.13	mg/Kg	1		6010B	Total/NA
Copper	6.5	B	1.4	0.21	mg/Kg	1		6010B	Total/NA
Nickel	32		0.95	0.23	mg/Kg	1		6010B	Total/NA
Lead	3.1		0.95	0.25	mg/Kg	1		6010B	Total/NA
Antimony	11		1.9	0.90	mg/Kg	1		6010B	Total/NA
Vanadium	21		0.48	0.18	mg/Kg	1		6010B	Total/NA
Zinc	20		1.9	0.18	mg/Kg	1		6010B	Total/NA
Mercury	0.024	J B	0.082	0.013	mg/Kg	1		7471A	Total/NA

Client Sample ID: AOC4-S1-15 — Lab Sample ID: 320-81134-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	2.8	J *3 B	4.9	0.62	ug/Kg	1		8260B	Total/NA
Arsenic	3.5		1.9	1.3	mg/Kg	1		6010B	Total/NA
Barium	56		0.96	0.12	mg/Kg	1		6010B	Total/NA
Beryllium	0.64		0.19	0.029	mg/Kg	1		6010B	Total/NA
Cadmium	0.089	J	0.19	0.029	mg/Kg	1		6010B	Total/NA
Cobalt	6.9		0.48	0.24	mg/Kg	1		6010B	Total/NA
Chromium	51		0.48	0.13	mg/Kg	1		6010B	Total/NA
Copper	10	B	1.4	0.21	mg/Kg	1		6010B	Total/NA
Nickel	35		0.96	0.23	mg/Kg	1		6010B	Total/NA
Lead	3.6		0.96	0.25	mg/Kg	1		6010B	Total/NA
Antimony	12		1.9	0.90	mg/Kg	1		6010B	Total/NA
Vanadium	33		0.48	0.18	mg/Kg	1		6010B	Total/NA
Zinc	26		1.9	0.18	mg/Kg	1		6010B	Total/NA
Mercury	0.018	J B	0.083	0.014	mg/Kg	1		7471A	Total/NA

Client Sample ID: AOC4-S1-5 DUP — Lab Sample ID: 320-81134-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.5		0.98	0.49	mg/Kg	1		8015B	Total/NA
Motor Oil Range Organics [C24-C36]	5.8		4.9	3.7	mg/Kg	1		8015B	Total/NA
Arsenic	2.8		2.0	1.3	mg/Kg	1		6010B	Total/NA
Barium	56		0.98	0.12	mg/Kg	1		6010B	Total/NA
Beryllium	0.57		0.20	0.029	mg/Kg	1		6010B	Total/NA
Cadmium	0.085	J	0.20	0.029	mg/Kg	1		6010B	Total/NA
Cobalt	5.5		0.49	0.25	mg/Kg	1		6010B	Total/NA
Chromium	42		0.49	0.14	mg/Kg	1		6010B	Total/NA
Copper	8.0	B	1.5	0.22	mg/Kg	1		6010B	Total/NA
Nickel	32		0.98	0.24	mg/Kg	1		6010B	Total/NA
Lead	32		0.98	0.25	mg/Kg	1		6010B	Total/NA
Antimony	11		2.0	0.92	mg/Kg	1		6010B	Total/NA
Vanadium	26		0.49	0.19	mg/Kg	1		6010B	Total/NA
Zinc	26		2.0	0.19	mg/Kg	1		6010B	Total/NA
Mercury	0.052	J B	0.085	0.014	mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC9-SG3-5 — Lab Sample ID: 320-81134-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	0.84	J	1.0	0.50	mg/Kg	1		8015B	Total/NA
Arsenic	2.3		1.9	1.3	mg/Kg	1		6010B	Total/NA
Barium	37		0.97	0.12	mg/Kg	1		6010B	Total/NA
Beryllium	0.44		0.19	0.029	mg/Kg	1		6010B	Total/NA
Cadmium	0.059	J	0.19	0.029	mg/Kg	1		6010B	Total/NA
Cobalt	3.0		0.49	0.24	mg/Kg	1		6010B	Total/NA
Chromium	32		0.49	0.14	mg/Kg	1		6010B	Total/NA
Copper	5.3	B	1.5	0.21	mg/Kg	1		6010B	Total/NA
Nickel	17		0.97	0.23	mg/Kg	1		6010B	Total/NA
Lead	20		0.97	0.25	mg/Kg	1		6010B	Total/NA
Antimony	9.8		1.9	0.91	mg/Kg	1		6010B	Total/NA
Vanadium	21		0.49	0.18	mg/Kg	1		6010B	Total/NA
Zinc	13		1.9	0.18	mg/Kg	1		6010B	Total/NA
Mercury	0.060	J B	0.081	0.013	mg/Kg	1		7471A	Total/NA

Client Sample ID: AOC9-SG3-10 — Lab Sample ID: 320-81134-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	0.49	J	0.98	0.49	mg/Kg	1		8015B	Total/NA
Arsenic	3.1		2.0	1.3	mg/Kg	1		6010B	Total/NA
Barium	52		1.0	0.12	mg/Kg	1		6010B	Total/NA
Beryllium	0.59		0.20	0.030	mg/Kg	1		6010B	Total/NA
Cadmium	0.067	J	0.20	0.030	mg/Kg	1		6010B	Total/NA
Cobalt	5.5		0.50	0.25	mg/Kg	1		6010B	Total/NA
Chromium	45		0.50	0.14	mg/Kg	1		6010B	Total/NA
Copper	7.9	B	1.5	0.22	mg/Kg	1		6010B	Total/NA
Nickel	38		1.0	0.24	mg/Kg	1		6010B	Total/NA
Lead	2.8		1.0	0.26	mg/Kg	1		6010B	Total/NA
Antimony	12		2.0	0.94	mg/Kg	1		6010B	Total/NA
Vanadium	28		0.50	0.19	mg/Kg	1		6010B	Total/NA
Zinc	21		2.0	0.19	mg/Kg	1		6010B	Total/NA
Mercury	0.015	J B	0.079	0.013	mg/Kg	1		7471A	Total/NA

Client Sample ID: AOC9-SG4-5 — Lab Sample ID: 320-81134-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.4	J	20	1.4	ug/Kg	1		8260B	Total/NA
Arsenic	2.8		1.9	1.3	mg/Kg	1		6010B	Total/NA
Barium	40		0.97	0.12	mg/Kg	1		6010B	Total/NA
Beryllium	0.52		0.19	0.029	mg/Kg	1		6010B	Total/NA
Cadmium	0.069	J	0.19	0.029	mg/Kg	1		6010B	Total/NA
Cobalt	5.6		0.49	0.24	mg/Kg	1		6010B	Total/NA
Chromium	30		0.49	0.14	mg/Kg	1		6010B	Total/NA
Copper	5.5	B	1.5	0.21	mg/Kg	1		6010B	Total/NA
Nickel	26		0.97	0.23	mg/Kg	1		6010B	Total/NA
Lead	3.3		0.97	0.25	mg/Kg	1		6010B	Total/NA
Antimony	9.6		1.9	0.91	mg/Kg	1		6010B	Total/NA
Vanadium	26		0.49	0.18	mg/Kg	1		6010B	Total/NA
Zinc	17		1.9	0.18	mg/Kg	1		6010B	Total/NA
Mercury	0.035	J B	0.086	0.014	mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC9-SG4-10 — Lab Sample ID: 320-81134-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.9	J	19	1.3	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	0.62	J	0.98	0.49	mg/Kg	1		8015B	Total/NA
Arsenic	2.7		2.0	1.3	mg/Kg	1		6010B	Total/NA
Barium	46		0.98	0.12	mg/Kg	1		6010B	Total/NA
Beryllium	0.54		0.20	0.029	mg/Kg	1		6010B	Total/NA
Cadmium	0.063	J	0.20	0.029	mg/Kg	1		6010B	Total/NA
Cobalt	4.7		0.49	0.25	mg/Kg	1		6010B	Total/NA
Chromium	39		0.49	0.14	mg/Kg	1		6010B	Total/NA
Copper	7.5	B	1.5	0.22	mg/Kg	1		6010B	Total/NA
Nickel	35		0.98	0.24	mg/Kg	1		6010B	Total/NA
Lead	2.6		0.98	0.25	mg/Kg	1		6010B	Total/NA
Antimony	12		2.0	0.92	mg/Kg	1		6010B	Total/NA
Vanadium	25		0.49	0.19	mg/Kg	1		6010B	Total/NA
Zinc	20		2.0	0.19	mg/Kg	1		6010B	Total/NA
Mercury	0.032	J B	0.085	0.014	mg/Kg	1		7471A	Total/NA

Client Sample ID: AOC1-S2-0.5 — Lab Sample ID: 320-81134-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	3.5	J	8.3	1.0	ug/Kg	5		8081A	Total/NA
4,4'-DDT	10		8.3	1.2	ug/Kg	5		8081A	Total/NA
PCB-1260	26	J P	64	5.3	ug/Kg	2		8082	Total/NA
Lead	450		0.97	0.25	mg/Kg	1		6010B	Total/NA
Arsenic	9.0		1.9	1.3	mg/Kg	1		6010B	Total/NA

Client Sample ID: AOC1-S2-2 — Lab Sample ID: 320-81134-17

No Detections.

Client Sample ID: AOC9-S2-5 — Lab Sample ID: 320-81134-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.0	J	20	1.4	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	0.53	J	0.99	0.50	mg/Kg	1		8015B	Total/NA
Arsenic	1.6	J	1.9	1.3	mg/Kg	1		6010B	Total/NA
Barium	31		0.97	0.12	mg/Kg	1		6010B	Total/NA
Beryllium	0.35		0.19	0.029	mg/Kg	1		6010B	Total/NA
Cadmium	0.041	J	0.19	0.029	mg/Kg	1		6010B	Total/NA
Cobalt	2.9		0.49	0.24	mg/Kg	1		6010B	Total/NA
Chromium	20		0.49	0.14	mg/Kg	1		6010B	Total/NA
Copper	4.4	B	1.5	0.21	mg/Kg	1		6010B	Total/NA
Nickel	14		0.97	0.23	mg/Kg	1		6010B	Total/NA
Lead	2.6		0.97	0.25	mg/Kg	1		6010B	Total/NA
Antimony	7.5		1.9	0.91	mg/Kg	1		6010B	Total/NA
Vanadium	15		0.49	0.18	mg/Kg	1		6010B	Total/NA
Zinc	11		1.9	0.18	mg/Kg	1		6010B	Total/NA
Mercury	0.032	J B	0.082	0.013	mg/Kg	1		7471A	Total/NA

Client Sample ID: AOC9-S2-10 — Lab Sample ID: 320-81134-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.4	J	19	1.3	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	1.8		0.99	0.50	mg/Kg	1		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: AOC9-S2-10 (Continued) — Lab Sample ID: 320-81134-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Motor Oil Range Organics [C24-C36]	6.2		5.0	3.7	mg/Kg	1		8015B	Total/NA
Arsenic	2.5		2.0	1.3	mg/Kg	1		6010B	Total/NA
Barium	49		0.99	0.12	mg/Kg	1		6010B	Total/NA
Beryllium	0.65		0.20	0.030	mg/Kg	1		6010B	Total/NA
Cadmium	0.059	J	0.20	0.030	mg/Kg	1		6010B	Total/NA
Cobalt	6.1		0.50	0.25	mg/Kg	1		6010B	Total/NA
Chromium	40		0.50	0.14	mg/Kg	1		6010B	Total/NA
Copper	7.1	B	1.5	0.22	mg/Kg	1		6010B	Total/NA
Nickel	37		0.99	0.24	mg/Kg	1		6010B	Total/NA
Lead	2.8		0.99	0.26	mg/Kg	1		6010B	Total/NA
Antimony	15	B	2.0	0.93	mg/Kg	1		6010B	Total/NA
Vanadium	27		0.50	0.19	mg/Kg	1		6010B	Total/NA
Zinc	23		2.0	0.19	mg/Kg	1		6010B	Total/NA
Mercury	0.022	J B	0.086	0.014	mg/Kg	1		7471A	Total/NA

Client Sample ID: AOC6-S9B-4 — Lab Sample ID: 320-81134-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.9		0.99	0.49	mg/Kg	1		8015B	Total/NA
Motor Oil Range Organics [C24-C36]	7.3		4.9	3.7	mg/Kg	1		8015B	Total/NA

Client Sample ID: EB11012021 — Lab Sample ID: 320-81134-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Molybdenum	0.041	J	0.050	0.024	mg/L	1		6010B	Total/NA
Vanadium	0.0070	J	0.010	0.0017	mg/L	1		6010B	Total/NA
Lead	0.0080	J	0.050	0.0080	mg/L	1		6010B	Total/NA

Client Sample ID: TB11012021 — Lab Sample ID: 320-81134-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.39	J	2.0	0.33	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: AOC1-S9A-0.5

Date Collected: 11/01/21 09:25
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-1

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND	F1	17	2.3	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
4,4'-DDE	ND	F1	17	2.1	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
4,4'-DDT	ND	F1	17	2.5	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
Aldrin	ND	F1	17	1.4	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
alpha-BHC	ND	F1	17	1.6	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
cis-Chlordane	ND	F1	17	1.8	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
beta-BHC	ND	F2 F1	17	2.2	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
Chlordane (technical)	ND		200	93	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
delta-BHC	ND		17	3.5	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
Dieldrin	ND	F1	17	2.0	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
Endosulfan I	ND	F1	17	1.8	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
Endosulfan II	ND	F1	17	1.8	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
Endosulfan sulfate	ND	F1	17	3.5	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
Endrin	ND	F1	17	2.0	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
Endrin aldehyde	ND	F1	17	5.6	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
Endrin ketone	ND	F1	17	2.7	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
trans-Chlordane	ND	F2	17	5.9	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
gamma-BHC (Lindane)	ND	F1	17	1.4	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
Heptachlor	ND	F1	17	1.5	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
Heptachlor epoxide	ND	F1	17	1.8	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
Methoxychlor	ND	F1	34	5.5	ug/Kg		11/13/21 08:25	11/23/21 15:45	10
Toxaphene	ND		660	220	ug/Kg		11/13/21 08:25	11/23/21 15:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*251*	*S1+*	*46 - 109*	*11/13/21 08:25*	*11/23/21 15:45*	*10*
DCB Decachlorobiphenyl	*28*	*p S1-*	*46 - 109*	*11/13/21 08:25*	*11/23/21 15:45*	*10*
Tetrachloro-m-xylene	*71*		*47 - 107*	*11/13/21 08:25*	*11/23/21 15:45*	*10*
Tetrachloro-m-xylene	*51*		*47 - 107*	*11/13/21 08:25*	*11/23/21 15:45*	*10*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/13/21 08:43	11/20/21 07:15	1
PCB-1221	ND		33	3.6	ug/Kg		11/13/21 08:43	11/20/21 07:15	1
PCB-1232	ND		33	4.7	ug/Kg		11/13/21 08:43	11/20/21 07:15	1
PCB-1242	ND		33	5.8	ug/Kg		11/13/21 08:43	11/20/21 07:15	1
PCB-1248	ND		33	2.4	ug/Kg		11/13/21 08:43	11/20/21 07:15	1
PCB-1254	ND		33	3.8	ug/Kg		11/13/21 08:43	11/20/21 07:15	1
PCB-1260	ND		33	2.7	ug/Kg		11/13/21 08:43	11/20/21 07:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*52 - 138*	*11/13/21 08:43*	*11/20/21 07:15*	*1*
Tetrachloro-m-xylene	*85*		*56 - 114*	*11/13/21 08:43*	*11/20/21 07:15*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**60**		1.0	0.26	mg/Kg		11/09/21 13:20	11/10/21 10:32	1
Arsenic	**5.1**		2.0	1.3	mg/Kg		11/09/21 13:20	11/10/21 10:32	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC1-S9A-0.5 DUP

Date Collected: 11/01/21 09:25
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-2

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		33	4.5	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
4,4'-DDE	ND		33	4.1	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
4,4'-DDT	ND		33	4.9	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
Aldrin	ND		33	2.7	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
alpha-BHC	ND		33	3.1	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
cis-Chlordane	ND		33	3.5	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
beta-BHC	ND		33	4.3	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
Chlordane (technical)	ND		390	180	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
delta-BHC	ND		33	6.8	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
Dieldrin	ND		33	3.9	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
Endosulfan I	ND		33	3.5	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
Endosulfan II	ND		33	3.5	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
Endosulfan sulfate	ND		33	6.8	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
Endrin	ND		33	3.9	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
Endrin aldehyde	ND		33	11	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
Endrin ketone	ND		33	5.3	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
trans-Chlordane	ND		33	12	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
gamma-BHC (Lindane)	ND		33	2.7	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
Heptachlor	ND		33	2.9	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
Heptachlor epoxide	ND		33	3.5	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
Methoxychlor	ND		66	11	ug/Kg		11/13/21 08:25	11/23/21 16:42	20
Toxaphene	ND		1300	440	ug/Kg		11/13/21 08:25	11/23/21 16:42	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/13/21 08:25*	*11/23/21 16:42*	*20*
DCB Decachlorobiphenyl	*0*	*S1-*	*46 - 109*	*11/13/21 08:25*	*11/23/21 16:42*	*20*
Tetrachloro-m-xylene	*94*		*47 - 107*	*11/13/21 08:25*	*11/23/21 16:42*	*20*
Tetrachloro-m-xylene	*49*		*47 - 107*	*11/13/21 08:25*	*11/23/21 16:42*	*20*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	F2	32	2.5	ug/Kg		11/13/21 08:43	11/20/21 07:35	1
PCB-1221	ND		32	3.5	ug/Kg		11/13/21 08:43	11/20/21 07:35	1
PCB-1232	ND		32	4.7	ug/Kg		11/13/21 08:43	11/20/21 07:35	1
PCB-1242	ND		32	5.7	ug/Kg		11/13/21 08:43	11/20/21 07:35	1
PCB-1248	ND		32	2.4	ug/Kg		11/13/21 08:43	11/20/21 07:35	1
PCB-1254	ND		32	3.7	ug/Kg		11/13/21 08:43	11/20/21 07:35	1
PCB-1260	ND		32	2.6	ug/Kg		11/13/21 08:43	11/20/21 07:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*52 - 138*	*11/13/21 08:43*	*11/20/21 07:35*	*1*
Tetrachloro-m-xylene	*76*		*56 - 114*	*11/13/21 08:43*	*11/20/21 07:35*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**72**		0.66	0.17	mg/Kg		11/09/21 13:20	11/10/21 10:51	1
Arsenic	**4.7**		1.3	0.86	mg/Kg		11/09/21 13:20	11/10/21 10:51	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC1-S9A-2
Date Collected: 11/01/21 09:27
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-3
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
Aldrin	ND		1.6	0.13	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
Chlordane (technical)	ND		19	8.9	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
delta-BHC	ND		1.6	0.33	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
Endosulfan sulfate	ND		1.6	0.33	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
Endrin	ND		1.6	0.19	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
Endrin aldehyde	ND		1.6	0.54	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
trans-Chlordane	ND		1.6	0.57	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
Methoxychlor	ND		3.2	0.53	ug/Kg		11/13/21 08:25	11/23/21 17:01	1
Toxaphene	ND		63	21	ug/Kg		11/13/21 08:25	11/23/21 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*63*		*46 - 109*	*11/13/21 08:25*	*11/23/21 17:01*	*1*
DCB Decachlorobiphenyl	*57*		*46 - 109*	*11/13/21 08:25*	*11/23/21 17:01*	*1*
Tetrachloro-m-xylene	*66*		*47 - 107*	*11/13/21 08:25*	*11/23/21 17:01*	*1*
Tetrachloro-m-xylene	*58*		*47 - 107*	*11/13/21 08:25*	*11/23/21 17:01*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC1-S1-0.5

Date Collected: 11/01/21 12:10
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-4

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.4	0.46	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
4,4'-DDE	ND		3.4	0.42	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
4,4'-DDT	**0.87**	**J**	3.4	0.50	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
Aldrin	ND		3.4	0.28	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
alpha-BHC	ND		3.4	0.32	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
cis-Chlordane	ND		3.4	0.36	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
beta-BHC	ND		3.4	0.44	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
Chlordane (technical)	ND		40	19	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
delta-BHC	ND		3.4	0.70	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
Dieldrin	ND		3.4	0.40	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
Endosulfan I	ND		3.4	0.36	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
Endosulfan II	ND		3.4	0.36	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
Endosulfan sulfate	ND		3.4	0.70	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
Endrin	ND		3.4	0.40	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
Endrin aldehyde	ND		3.4	1.1	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
Endrin ketone	ND		3.4	0.54	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
trans-Chlordane	ND		3.4	1.2	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
gamma-BHC (Lindane)	ND		3.4	0.28	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
Heptachlor	ND		3.4	0.30	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
Heptachlor epoxide	ND		3.4	0.36	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
Methoxychlor	ND		6.8	1.1	ug/Kg		11/13/21 08:25	11/23/21 17:20	2
Toxaphene	ND		130	45	ug/Kg		11/13/21 08:25	11/23/21 17:20	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*46 - 109*	*11/13/21 08:25*	*11/23/21 17:20*	*2*
DCB Decachlorobiphenyl	*48*		*46 - 109*	*11/13/21 08:25*	*11/23/21 17:20*	*2*
Tetrachloro-m-xylene	*51*		*47 - 107*	*11/13/21 08:25*	*11/23/21 17:20*	*2*
Tetrachloro-m-xylene	*47*		*47 - 107*	*11/13/21 08:25*	*11/23/21 17:20*	*2*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.5	ug/Kg		11/13/21 08:43	11/20/21 08:37	1
PCB-1221	ND		33	3.6	ug/Kg		11/13/21 08:43	11/20/21 08:37	1
PCB-1232	ND		33	4.8	ug/Kg		11/13/21 08:43	11/20/21 08:37	1
PCB-1242	ND		33	5.9	ug/Kg		11/13/21 08:43	11/20/21 08:37	1
PCB-1248	ND		33	2.4	ug/Kg		11/13/21 08:43	11/20/21 08:37	1
PCB-1254	ND		33	3.8	ug/Kg		11/13/21 08:43	11/20/21 08:37	1
PCB-1260	**4.9**	**J**	33	2.7	ug/Kg		11/13/21 08:43	11/20/21 08:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*	*S1-*	*52 - 138*	*11/13/21 08:43*	*11/20/21 08:37*	*1*
Tetrachloro-m-xylene	*49*	*S1-*	*56 - 114*	*11/13/21 08:43*	*11/20/21 08:37*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**430**		0.99	0.26	mg/Kg		11/09/21 13:20	11/10/21 14:37	1
Arsenic	**6.7**		2.0	1.3	mg/Kg		11/09/21 13:20	11/10/21 14:37	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC1-S1-0.5 DUP

Date Collected: 11/01/21 12:10
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-5

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.4	0.46	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
4,4'-DDE	ND		3.4	0.42	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
4,4'-DDT	**1.7**	**J P**	3.4	0.50	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
Aldrin	ND		3.4	0.28	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
alpha-BHC	ND		3.4	0.32	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
cis-Chlordane	ND		3.4	0.36	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
beta-BHC	ND		3.4	0.44	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
Chlordane (technical)	ND		40	19	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
delta-BHC	ND		3.4	0.70	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
Dieldrin	ND		3.4	0.40	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
Endosulfan I	ND		3.4	0.36	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
Endosulfan II	ND		3.4	0.36	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
Endosulfan sulfate	ND		3.4	0.70	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
Endrin	ND		3.4	0.40	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
Endrin aldehyde	ND		3.4	1.1	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
Endrin ketone	ND		3.4	0.54	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
trans-Chlordane	ND		3.4	1.2	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
gamma-BHC (Lindane)	ND		3.4	0.28	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
Heptachlor	ND		3.4	0.30	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
Heptachlor epoxide	ND		3.4	0.36	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
Methoxychlor	ND		6.8	1.1	ug/Kg		11/13/21 08:25	11/23/21 17:58	2
Toxaphene	ND		130	45	ug/Kg		11/13/21 08:25	11/23/21 17:58	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*49*		*46 - 109*	*11/13/21 08:25*	*11/23/21 17:58*	*2*
DCB Decachlorobiphenyl	*53*		*46 - 109*	*11/13/21 08:25*	*11/23/21 17:58*	*2*
Tetrachloro-m-xylene	*50*		*47 - 107*	*11/13/21 08:25*	*11/23/21 17:58*	*2*
Tetrachloro-m-xylene	*44*	*S1-*	*47 - 107*	*11/13/21 08:25*	*11/23/21 17:58*	*2*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		66	5.1	ug/Kg		11/13/21 08:43	11/20/21 08:58	2
PCB-1221	ND		66	7.2	ug/Kg		11/13/21 08:43	11/20/21 08:58	2
PCB-1232	ND		66	9.6	ug/Kg		11/13/21 08:43	11/20/21 08:58	2
PCB-1242	ND		66	12	ug/Kg		11/13/21 08:43	11/20/21 08:58	2
PCB-1248	ND		66	4.9	ug/Kg		11/13/21 08:43	11/20/21 08:58	2
PCB-1254	ND		66	7.6	ug/Kg		11/13/21 08:43	11/20/21 08:58	2
PCB-1260	**8.5**	**J P**	66	5.4	ug/Kg		11/13/21 08:43	11/20/21 08:58	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*52*		*52 - 138*	*11/13/21 08:43*	*11/20/21 08:58*	*2*
Tetrachloro-m-xylene	*61*		*56 - 114*	*11/13/21 08:43*	*11/20/21 08:58*	*2*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**480**		0.97	0.25	mg/Kg		11/09/21 13:20	11/10/21 14:40	1
Arsenic	**4.0**		1.9	1.3	mg/Kg		11/09/21 13:20	11/10/21 14:40	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC1-S1-2
Date Collected: 11/01/21 12:12
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-6
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
Aldrin	ND		1.7	0.14	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
Chlordane (technical)	ND		20	9.4	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
Endrin	ND		1.7	0.20	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/13/21 08:25	11/23/21 18:17	1
Toxaphene	ND		67	22	ug/Kg		11/13/21 08:25	11/23/21 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*46 - 109*	*11/13/21 08:25*	*11/23/21 18:17*	*1*
DCB Decachlorobiphenyl	*70*		*46 - 109*	*11/13/21 08:25*	*11/23/21 18:17*	*1*
Tetrachloro-m-xylene	*67*		*47 - 107*	*11/13/21 08:25*	*11/23/21 18:17*	*1*
Tetrachloro-m-xylene	*60*		*47 - 107*	*11/13/21 08:25*	*11/23/21 18:17*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC1-S1-2 DUP
Date Collected: 11/01/21 12:12
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-7
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
Aldrin	ND		1.7	0.14	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
Chlordane (technical)	ND		20	9.3	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
delta-BHC	ND		1.7	0.34	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
Endosulfan sulfate	ND		1.7	0.34	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
Endrin	ND		1.7	0.20	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
Endrin aldehyde	ND		1.7	0.56	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
trans-Chlordane	ND		1.7	0.59	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
Methoxychlor	ND		3.3	0.55	ug/Kg		11/09/21 14:45	11/22/21 17:23	1
Toxaphene	ND		66	22	ug/Kg		11/09/21 14:45	11/22/21 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*39*	*S1-*	*46 - 109*	*11/09/21 14:45*	*11/22/21 17:23*	*1*
DCB Decachlorobiphenyl	*38*	*S1-*	*46 - 109*	*11/09/21 14:45*	*11/22/21 17:23*	*1*
Tetrachloro-m-xylene	*67*		*47 - 107*	*11/09/21 14:45*	*11/22/21 17:23*	*1*
Tetrachloro-m-xylene	*69*		*47 - 107*	*11/09/21 14:45*	*11/22/21 17:23*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC4-S1-5

Date Collected: 11/01/21 11:59
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-8

Matrix: Solid

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND	H	0.50	0.050	mg/Kg		11/12/21 14:03	11/17/21 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 131*	*11/12/21 14:03*	*11/17/21 11:36*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	H	5.0	0.41	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,1,1-Trichloroethane	ND	H	5.0	0.36	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,1,2,2-Tetrachloroethane	ND	H	5.0	0.68	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	H	10	0.83	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,1,2-Trichloroethane	ND	H	5.0	0.44	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,1-Dichloroethane	ND	H	5.0	0.29	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,1-Dichloroethene	ND	H	5.0	0.26	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,1-Dichloropropene	ND	H	5.0	0.37	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,2,3-Trichlorobenzene	ND	H	5.0	0.75	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,2,3-Trichloropropane	ND	H	5.0	0.76	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,2,4-Trichlorobenzene	ND	H	5.0	0.75	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,2,4-Trimethylbenzene	ND	H	5.0	0.51	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,2-Dibromo-3-Chloropropane	ND	H	10	0.88	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Ethylene Dibromide	ND	H	10	0.27	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,2-Dichlorobenzene	ND	H	5.0	0.64	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,2-Dichloroethane	ND	H	5.0	0.73	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,2-Dichloropropane	ND	H	5.0	0.60	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,3,5-Trimethylbenzene	ND	H	5.0	0.35	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,3-Dichlorobenzene	ND	H	5.0	0.30	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,3-Dichloropropane	ND	H	5.0	0.57	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
1,4-Dichlorobenzene	ND	H	5.0	0.78	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
2,2-Dichloropropane	ND	H	5.0	0.38	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
2-Butanone (MEK)	ND	H	10	1.4	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
2-Chlorotoluene	ND	H	5.0	0.62	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
2-Hexanone	ND	H	10	0.74	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
4-Chlorotoluene	ND	H	5.0	0.86	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
4-Methyl-2-pentanone (MIBK)	ND	H	10	0.92	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Acetone	ND	H	20	1.4	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Benzene	ND	H	5.0	0.26	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Bromobenzene	ND	H	5.0	0.52	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Chlorobromomethane	ND	H	5.0	0.94	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Dichlorobromomethane	ND	H	5.0	0.53	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Bromoform	ND	H	5.0	0.40	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Bromomethane	ND	H	5.0	0.86	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
cis-1,2-Dichloroethene	ND	H	5.0	0.89	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
cis-1,3-Dichloropropene	ND	H	5.0	0.64	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Carbon disulfide	ND	H	10	0.49	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Carbon tetrachloride	ND	H	5.0	0.53	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Chlorobenzene	ND	H	5.0	0.29	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Chloroethane	ND	H	5.0	0.45	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Chloroform	ND	H	5.0	0.26	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Chloromethane	ND	H	5.0	0.50	ug/Kg		11/12/21 14:03	11/17/21 11:36	1

Client Sample ID: AOC4-S1-5

Date Collected: 11/01/21 11:59
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-8

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND	H	5.0	0.21	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Dibromomethane	ND	H	5.0	0.58	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Dichlorodifluoromethane	ND	H	5.0	0.89	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Ethylbenzene	ND	H	5.0	0.34	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Hexachlorobutadiene	ND	H	5.0	0.33	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Isopropylbenzene	ND	H	5.0	0.52	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Methylene Chloride	ND	H	10	0.84	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Methyl tert-butyl ether	ND	H	10	0.60	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Naphthalene	ND	H	5.0	0.63	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
n-Butylbenzene	ND	H	5.0	0.66	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
N-Propylbenzene	ND	H	5.0	0.29	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
4-Isopropyltoluene	ND	H	5.0	0.63	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
sec-Butylbenzene	ND	H	5.0	0.75	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Styrene	ND	H	5.0	0.31	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
trans-1,2-Dichloroethene	ND	H	5.0	0.38	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
trans-1,3-Dichloropropene	ND	H	5.0	0.75	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
tert-Butylbenzene	ND	H	5.0	0.54	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Tetrachloroethene	ND	H	5.0	0.61	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Toluene	ND	H	5.0	0.61	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Xylenes, Total	ND	H	5.0	0.81	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Trichloroethene	ND	H	5.0	0.60	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Trichlorofluoromethane	ND	H	5.0	0.34	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Vinyl acetate	ND	H	10	0.69	ug/Kg		11/12/21 14:03	11/17/21 11:36	1
Vinyl chloride	ND	H	5.0	0.36	ug/Kg		11/12/21 14:03	11/17/21 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*32 - 156*	*11/12/21 14:03*	*11/17/21 11:36*	*1*
4-Bromofluorobenzene (Surr)	*105*		*63 - 143*	*11/12/21 14:03*	*11/17/21 11:36*	*1*
Dibromofluoromethane (Surr)	*97*		*55 - 129*	*11/12/21 14:03*	*11/17/21 11:36*	*1*
Toluene-d8 (Surr)	*99*		*63 - 138*	*11/12/21 14:03*	*11/17/21 11:36*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.3**		1.0	0.50	mg/Kg		11/06/21 09:57	11/13/21 11:29	1
Motor Oil Range Organics [C24-C36]	**4.6**	**J**	5.0	3.8	mg/Kg		11/06/21 09:57	11/13/21 11:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*59*		*51 - 111*	*11/06/21 09:57*	*11/13/21 11:29*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.49	0.088	mg/Kg		11/09/21 13:20	11/10/21 14:44	1
Arsenic	**3.7**		2.0	1.3	mg/Kg		11/09/21 13:20	11/10/21 14:44	1
Barium	**60**		0.98	0.12	mg/Kg		11/09/21 13:20	11/10/21 14:44	1
Beryllium	**0.60**		0.20	0.029	mg/Kg		11/09/21 13:20	11/10/21 14:44	1
Cadmium	**0.085**	**J**	0.20	0.029	mg/Kg		11/09/21 13:20	11/10/21 14:44	1
Cobalt	**7.5**		0.49	0.25	mg/Kg		11/09/21 13:20	11/10/21 14:44	1
Chromium	**50**		0.49	0.14	mg/Kg		11/09/21 13:20	11/10/21 14:44	1
Copper	**9.0**	**B**	1.5	0.22	mg/Kg		11/09/21 13:20	11/10/21 14:44	1
Molybdenum	ND		2.0	0.74	mg/Kg		11/09/21 13:20	11/10/21 14:44	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC4-S1-5
Date Collected: 11/01/21 11:59
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	36		0.98	0.24	mg/Kg		11/09/21 13:20	11/10/21 14:44	1
Lead	12		0.98	0.25	mg/Kg		11/09/21 13:20	11/10/21 14:44	1
Selenium	ND		2.0	1.4	mg/Kg		11/09/21 13:20	11/10/21 14:44	1
Antimony	11		2.0	0.92	mg/Kg		11/09/21 13:20	11/10/21 14:44	1
Thallium	ND		2.0	0.82	mg/Kg		11/09/21 13:20	11/10/21 14:44	1
Vanadium	31		0.49	0.19	mg/Kg		11/09/21 13:20	11/10/21 14:44	1
Zinc	28		2.0	0.19	mg/Kg		11/09/21 13:20	11/10/21 14:44	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.050	J B	0.086	0.014	mg/Kg		11/14/21 10:50	11/15/21 17:44	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC4-S1-10

Date Collected: 11/01/21 12:00
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-9

Matrix: Solid

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.49	0.049	mg/Kg		11/03/21 10:58	11/07/21 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 131*	*11/03/21 10:58*	*11/07/21 19:36*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	H	4.8	0.40	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,1,1-Trichloroethane	ND	H	4.8	0.35	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,1,2,2-Tetrachloroethane	ND	H	4.8	0.66	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	H	9.7	0.80	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,1,2-Trichloroethane	ND	H	4.8	0.43	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,1-Dichloroethane	ND	H	4.8	0.28	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,1-Dichloroethene	ND	H	4.8	0.25	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,1-Dichloropropene	ND	H	4.8	0.36	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,2,3-Trichlorobenzene	ND	H	4.8	0.73	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,2,3-Trichloropropane	ND	H	4.8	0.74	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,2,4-Trichlorobenzene	ND	H	4.8	0.73	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,2,4-Trimethylbenzene	ND	H	4.8	0.49	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,2-Dibromo-3-Chloropropane	ND	H	9.7	0.85	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Ethylene Dibromide	ND	H	9.7	0.26	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,2-Dichlorobenzene	ND	H	4.8	0.62	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,2-Dichloroethane	ND	H	4.8	0.71	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,2-Dichloropropane	ND	H	4.8	0.58	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,3,5-Trimethylbenzene	ND	H	4.8	0.34	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,3-Dichlorobenzene	ND	H	4.8	0.29	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,3-Dichloropropane	ND	H	4.8	0.55	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
1,4-Dichlorobenzene	ND	H	4.8	0.76	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
2,2-Dichloropropane	ND	H	4.8	0.37	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
2-Butanone (MEK)	ND	H	9.7	1.4	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
2-Chlorotoluene	ND	H	4.8	0.60	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
2-Hexanone	ND	H	9.7	0.72	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
4-Chlorotoluene	ND	H	4.8	0.83	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
4-Methyl-2-pentanone (MIBK)	ND	H	9.7	0.89	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Acetone	ND	H	19	1.4	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Benzene	ND	H	4.8	0.25	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Bromobenzene	ND	H	4.8	0.50	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Chlorobromomethane	ND	H	4.8	0.91	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Dichlorobromomethane	ND	H	4.8	0.51	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Bromoform	ND	H	4.8	0.39	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Bromomethane	ND	H	4.8	0.83	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
cis-1,2-Dichloroethene	ND	H	4.8	0.86	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
cis-1,3-Dichloropropene	ND	H	4.8	0.62	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Carbon disulfide	ND	H	9.7	0.47	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Carbon tetrachloride	ND	H	4.8	0.51	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Chlorobenzene	ND	H	4.8	0.28	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Chloroethane	ND	H	4.8	0.44	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Chloroform	ND	H	4.8	0.25	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Chloromethane	ND	H	4.8	0.48	ug/Kg		11/12/21 14:05	11/17/21 11:58	1

Client Sample ID: AOC4-S1-10

Date Collected: 11/01/21 12:00
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-9

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND	H	4.8	0.20	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Dibromomethane	ND	H	4.8	0.56	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Dichlorodifluoromethane	ND	H	4.8	0.86	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Ethylbenzene	ND	H	4.8	0.33	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Hexachlorobutadiene	ND	H	4.8	0.32	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Isopropylbenzene	ND	H	4.8	0.50	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Methylene Chloride	ND	H	9.7	0.81	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Methyl tert-butyl ether	ND	H	9.7	0.58	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Naphthalene	ND	H	4.8	0.61	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
n-Butylbenzene	ND	H	4.8	0.64	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
N-Propylbenzene	ND	H	4.8	0.28	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
4-Isopropyltoluene	ND	H	4.8	0.61	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
sec-Butylbenzene	ND	H	4.8	0.73	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Styrene	ND	H	4.8	0.30	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
trans-1,2-Dichloroethene	ND	H	4.8	0.37	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
trans-1,3-Dichloropropene	ND	H	4.8	0.73	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
tert-Butylbenzene	ND	H	4.8	0.52	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Tetrachloroethene	ND	H	4.8	0.59	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Toluene	ND	H	4.8	0.59	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Xylenes, Total	ND	H	4.8	0.78	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Trichloroethene	ND	H	4.8	0.58	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Trichlorofluoromethane	ND	H	4.8	0.33	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Vinyl acetate	ND	H	9.7	0.67	ug/Kg		11/12/21 14:05	11/17/21 11:58	1
Vinyl chloride	ND	H	4.8	0.35	ug/Kg		11/12/21 14:05	11/17/21 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*32 - 156*	*11/12/21 14:05*	*11/17/21 11:58*	*1*
4-Bromofluorobenzene (Surr)	*104*		*63 - 143*	*11/12/21 14:05*	*11/17/21 11:58*	*1*
Dibromofluoromethane (Surr)	*96*		*55 - 129*	*11/12/21 14:05*	*11/17/21 11:58*	*1*
Toluene-d8 (Surr)	*97*		*63 - 138*	*11/12/21 14:05*	*11/17/21 11:58*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.60**	**J**	1.0	0.50	mg/Kg		11/06/21 09:57	11/13/21 11:58	1
Motor Oil Range Organics [C24-C36]	ND		5.0	3.8	mg/Kg		11/06/21 09:57	11/13/21 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*63*		*51 - 111*	*11/06/21 09:57*	*11/13/21 11:58*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.48	0.086	mg/Kg		11/09/21 13:20	11/10/21 14:48	1
Arsenic	**2.2**		1.9	1.2	mg/Kg		11/09/21 13:20	11/10/21 14:48	1
Barium	**49**		0.95	0.11	mg/Kg		11/09/21 13:20	11/10/21 14:48	1
Beryllium	**0.49**		0.19	0.029	mg/Kg		11/09/21 13:20	11/10/21 14:48	1
Cadmium	**0.058**	**J**	0.19	0.029	mg/Kg		11/09/21 13:20	11/10/21 14:48	1
Cobalt	**4.9**		0.48	0.24	mg/Kg		11/09/21 13:20	11/10/21 14:48	1
Chromium	**36**		0.48	0.13	mg/Kg		11/09/21 13:20	11/10/21 14:48	1
Copper	**6.5**	**B**	1.4	0.21	mg/Kg		11/09/21 13:20	11/10/21 14:48	1
Molybdenum	ND		1.9	0.71	mg/Kg		11/09/21 13:20	11/10/21 14:48	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC4-S1-10
Date Collected: 11/01/21 12:00
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	32		0.95	0.23	mg/Kg		11/09/21 13:20	11/10/21 14:48	1
Lead	3.1		0.95	0.25	mg/Kg		11/09/21 13:20	11/10/21 14:48	1
Selenium	ND		1.9	1.3	mg/Kg		11/09/21 13:20	11/10/21 14:48	1
Antimony	11		1.9	0.90	mg/Kg		11/09/21 13:20	11/10/21 14:48	1
Thallium	ND		1.9	0.80	mg/Kg		11/09/21 13:20	11/10/21 14:48	1
Vanadium	21		0.48	0.18	mg/Kg		11/09/21 13:20	11/10/21 14:48	1
Zinc	20		1.9	0.18	mg/Kg		11/09/21 13:20	11/10/21 14:48	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024	J B	0.082	0.013	mg/Kg		11/14/21 10:50	11/15/21 17:45	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC4-S1-15

Date Collected: 11/01/21 12:01
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-10

Matrix: Solid

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.49	0.049	mg/Kg		11/03/21 10:58	11/07/21 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 131*	*11/03/21 10:58*	*11/07/21 19:57*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	*3	4.9	0.40	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,1,1-Trichloroethane	ND	*3	4.9	0.35	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,1,2,2-Tetrachloroethane	ND	*3	4.9	0.67	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*3	9.8	0.81	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,1,2-Trichloroethane	ND	*3	4.9	0.43	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,1-Dichloroethane	ND	*3	4.9	0.28	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,1-Dichloroethene	ND	*3	4.9	0.25	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,1-Dichloropropene	ND	*3	4.9	0.36	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,2,3-Trichlorobenzene	ND	*3	4.9	0.73	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,2,3-Trichloropropane	ND	*3	4.9	0.74	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,2,4-Trichlorobenzene	ND	*3	4.9	0.73	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,2,4-Trimethylbenzene	ND	*3	4.9	0.50	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,2-Dibromo-3-Chloropropane	ND	*3	9.8	0.86	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Ethylene Dibromide	ND	*3	9.8	0.26	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,2-Dichlorobenzene	ND	*3	4.9	0.63	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,2-Dichloroethane	ND	*3	4.9	0.71	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,2-Dichloropropane	ND	*3	4.9	0.59	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,3,5-Trimethylbenzene	ND	*3	4.9	0.34	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,3-Dichlorobenzene	ND	*3	4.9	0.29	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,3-Dichloropropane	ND	*3	4.9	0.56	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
1,4-Dichlorobenzene	ND	*3	4.9	0.76	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
2,2-Dichloropropane	ND	*3	4.9	0.37	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
2-Butanone (MEK)	ND	*3	9.8	1.4	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
2-Chlorotoluene	ND	*3	4.9	0.61	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
2-Hexanone	ND	*3	9.8	0.72	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
4-Chlorotoluene	ND	*3	4.9	0.84	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
4-Methyl-2-pentanone (MIBK)	ND	*3	9.8	0.90	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Acetone	ND	*3	20	1.4	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Benzene	ND	*3	4.9	0.25	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Bromobenzene	ND	*3	4.9	0.51	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Chlorobromomethane	ND	*3	4.9	0.92	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Dichlorobromomethane	ND	*3	4.9	0.52	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Bromoform	ND	*3	4.9	0.39	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Bromomethane	ND	*3	4.9	0.84	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
cis-1,2-Dichloroethene	ND	*3	4.9	0.87	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
cis-1,3-Dichloropropene	ND	*3	4.9	0.63	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Carbon disulfide	ND	*3	9.8	0.48	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Carbon tetrachloride	ND	*3	4.9	0.52	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Chlorobenzene	ND	*3	4.9	0.28	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Chloroethane	ND	*3	4.9	0.44	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Chloroform	ND	*3	4.9	0.25	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Chloromethane	ND	*3	4.9	0.49	ug/Kg		11/03/21 10:58	11/07/21 19:57	1

Client Sample ID: AOC4-S1-15

Date Collected: 11/01/21 12:01
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-10

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND	*3	4.9	0.21	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Dibromomethane	ND	*3	4.9	0.57	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Dichlorodifluoromethane	ND	*3	4.9	0.87	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Ethylbenzene	ND	*3	4.9	0.33	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Hexachlorobutadiene	ND	*3	4.9	0.32	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Isopropylbenzene	ND	*3	4.9	0.51	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Methylene Chloride	ND	*3	9.8	0.82	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Methyl tert-butyl ether	ND	*3	9.8	0.59	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Naphthalene	**2.8**	**J *3 B**	4.9	0.62	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
n-Butylbenzene	ND	*3	4.9	0.65	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
N-Propylbenzene	ND	*3	4.9	0.28	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
4-Isopropyltoluene	ND	*3	4.9	0.62	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
sec-Butylbenzene	ND	*3	4.9	0.73	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Styrene	ND	*3	4.9	0.30	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
trans-1,2-Dichloroethene	ND	*3	4.9	0.37	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
trans-1,3-Dichloropropene	ND	*3	4.9	0.73	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
tert-Butylbenzene	ND	*3	4.9	0.53	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Tetrachloroethene	ND	*3	4.9	0.60	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Toluene	ND	*3	4.9	0.60	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Xylenes, Total	ND	*3	4.9	0.79	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Trichloroethene	ND	*3	4.9	0.59	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Trichlorofluoromethane	ND	*3	4.9	0.33	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Vinyl acetate	ND	*3	9.8	0.68	ug/Kg		11/03/21 10:58	11/07/21 19:57	1
Vinyl chloride	ND	*3	4.9	0.35	ug/Kg		11/03/21 10:58	11/07/21 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*	*3*	*32 - 156*	*11/03/21 10:58*	*11/07/21 19:57*	*1*
4-Bromofluorobenzene (Surr)	*107*	*3*	*63 - 143*	*11/03/21 10:58*	*11/07/21 19:57*	*1*
Dibromofluoromethane (Surr)	*100*	*3*	*55 - 129*	*11/03/21 10:58*	*11/07/21 19:57*	*1*
Toluene-d8 (Surr)	*116*	*3*	*63 - 138*	*11/03/21 10:58*	*11/07/21 19:57*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99	0.49	mg/Kg		11/06/21 09:57	11/13/21 12:27	1
Motor Oil Range Organics [C24-C36]	ND		4.9	3.7	mg/Kg		11/06/21 09:57	11/13/21 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*59*		*51 - 111*	*11/06/21 09:57*	*11/13/21 12:27*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.48	0.087	mg/Kg		11/09/21 13:20	11/10/21 14:52	1
Arsenic	**3.5**		1.9	1.3	mg/Kg		11/09/21 13:20	11/10/21 14:52	1
Barium	**56**		0.96	0.12	mg/Kg		11/09/21 13:20	11/10/21 14:52	1
Beryllium	**0.64**		0.19	0.029	mg/Kg		11/09/21 13:20	11/10/21 14:52	1
Cadmium	**0.089**	**J**	0.19	0.029	mg/Kg		11/09/21 13:20	11/10/21 14:52	1
Cobalt	**6.9**		0.48	0.24	mg/Kg		11/09/21 13:20	11/10/21 14:52	1
Chromium	**51**		0.48	0.13	mg/Kg		11/09/21 13:20	11/10/21 14:52	1
Copper	**10**	**B**	1.4	0.21	mg/Kg		11/09/21 13:20	11/10/21 14:52	1
Molybdenum	ND		1.9	0.72	mg/Kg		11/09/21 13:20	11/10/21 14:52	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC4-S1-15
Date Collected: 11/01/21 12:01
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	35		0.96	0.23	mg/Kg		11/09/21 13:20	11/10/21 14:52	1
Lead	3.6		0.96	0.25	mg/Kg		11/09/21 13:20	11/10/21 14:52	1
Selenium	ND		1.9	1.3	mg/Kg		11/09/21 13:20	11/10/21 14:52	1
Antimony	12		1.9	0.90	mg/Kg		11/09/21 13:20	11/10/21 14:52	1
Thallium	ND		1.9	0.81	mg/Kg		11/09/21 13:20	11/10/21 14:52	1
Vanadium	33		0.48	0.18	mg/Kg		11/09/21 13:20	11/10/21 14:52	1
Zinc	26		1.9	0.18	mg/Kg		11/09/21 13:20	11/10/21 14:52	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J B	0.083	0.014	mg/Kg		11/14/21 10:50	11/15/21 17:47	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC4-S1-5 DUP

Date Collected: 11/01/21 11:59
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-11

Matrix: Solid

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.49	0.049	mg/Kg		11/03/21 10:58	11/12/21 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 131*	*11/03/21 10:58*	*11/12/21 12:05*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.9	0.40	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,1,1-Trichloroethane	ND		4.9	0.35	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.67	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.8	0.81	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,1,2-Trichloroethane	ND		4.9	0.43	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,1-Dichloroethane	ND		4.9	0.28	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,1-Dichloroethene	ND		4.9	0.25	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,1-Dichloropropene	ND		4.9	0.36	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,2,3-Trichlorobenzene	ND		4.9	0.74	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,2,3-Trichloropropane	ND		4.9	0.75	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,2,4-Trichlorobenzene	ND		4.9	0.74	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,2,4-Trimethylbenzene	ND		4.9	0.50	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,2-Dibromo-3-Chloropropane	ND		9.8	0.86	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Ethylene Dibromide	ND		9.8	0.26	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,2-Dichlorobenzene	ND		4.9	0.63	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,2-Dichloroethane	ND		4.9	0.72	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,2-Dichloropropane	ND		4.9	0.59	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,3,5-Trimethylbenzene	ND		4.9	0.34	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,3-Dichlorobenzene	ND		4.9	0.29	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,3-Dichloropropane	ND		4.9	0.56	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
1,4-Dichlorobenzene	ND		4.9	0.76	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
2,2-Dichloropropane	ND		4.9	0.37	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
2-Butanone (MEK)	ND		9.8	1.4	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
2-Chlorotoluene	ND		4.9	0.61	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
2-Hexanone	ND		9.8	0.73	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
4-Chlorotoluene	ND		4.9	0.84	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
4-Methyl-2-pentanone (MIBK)	ND		9.8	0.90	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Acetone	ND		20	1.4	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Benzene	ND		4.9	0.25	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Bromobenzene	ND		4.9	0.51	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Chlorobromomethane	ND		4.9	0.92	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Dichlorobromomethane	ND		4.9	0.52	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Bromoform	ND		4.9	0.39	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Bromomethane	ND		4.9	0.84	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
cis-1,2-Dichloroethene	ND		4.9	0.87	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
cis-1,3-Dichloropropene	ND		4.9	0.63	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Carbon disulfide	ND		9.8	0.48	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Carbon tetrachloride	ND		4.9	0.52	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Chlorobenzene	ND		4.9	0.28	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Chloroethane	ND		4.9	0.44	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Chloroform	ND		4.9	0.25	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Chloromethane	ND		4.9	0.49	ug/Kg		11/03/21 10:58	11/11/21 16:37	1

Client Sample ID: AOC4-S1-5 DUP

Date Collected: 11/01/21 11:59
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-11

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND		4.9	0.21	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Dibromomethane	ND		4.9	0.57	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Dichlorodifluoromethane	ND		4.9	0.87	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Ethylbenzene	ND		4.9	0.33	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Hexachlorobutadiene	ND		4.9	0.32	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Isopropylbenzene	ND		4.9	0.51	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Methylene Chloride	ND		9.8	0.82	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Methyl tert-butyl ether	ND		9.8	0.59	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Naphthalene	ND		4.9	0.62	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
n-Butylbenzene	ND		4.9	0.65	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
N-Propylbenzene	ND		4.9	0.28	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
4-Isopropyltoluene	ND		4.9	0.62	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
sec-Butylbenzene	ND		4.9	0.74	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Styrene	ND		4.9	0.30	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
trans-1,2-Dichloroethene	ND		4.9	0.37	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
trans-1,3-Dichloropropene	ND		4.9	0.74	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
tert-Butylbenzene	ND		4.9	0.53	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Tetrachloroethene	ND		4.9	0.60	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Toluene	ND		4.9	0.60	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Xylenes, Total	ND		4.9	0.79	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Trichloroethene	ND		4.9	0.59	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Trichlorofluoromethane	ND		4.9	0.33	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Vinyl acetate	ND		9.8	0.68	ug/Kg		11/03/21 10:58	11/11/21 16:37	1
Vinyl chloride	ND		4.9	0.35	ug/Kg		11/03/21 10:58	11/11/21 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*32 - 156*	*11/03/21 10:58*	*11/11/21 16:37*	*1*
4-Bromofluorobenzene (Surr)	*105*		*63 - 143*	*11/03/21 10:58*	*11/11/21 16:37*	*1*
Dibromofluoromethane (Surr)	*96*		*55 - 129*	*11/03/21 10:58*	*11/11/21 16:37*	*1*
Toluene-d8 (Surr)	*96*		*63 - 138*	*11/03/21 10:58*	*11/11/21 16:37*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.5**		0.98	0.49	mg/Kg		11/06/21 09:57	11/13/21 12:56	1
Motor Oil Range Organics [C24-C36]	**5.8**		4.9	3.7	mg/Kg		11/06/21 09:57	11/13/21 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*62*		*51 - 111*	*11/06/21 09:57*	*11/13/21 12:56*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.49	0.088	mg/Kg		11/09/21 13:20	11/10/21 14:55	1
Arsenic	**2.8**		2.0	1.3	mg/Kg		11/09/21 13:20	11/10/21 14:55	1
Barium	**56**		0.98	0.12	mg/Kg		11/09/21 13:20	11/10/21 14:55	1
Beryllium	**0.57**		0.20	0.029	mg/Kg		11/09/21 13:20	11/10/21 14:55	1
Cadmium	**0.085**	**J**	0.20	0.029	mg/Kg		11/09/21 13:20	11/10/21 14:55	1
Cobalt	**5.5**		0.49	0.25	mg/Kg		11/09/21 13:20	11/10/21 14:55	1
Chromium	**42**		0.49	0.14	mg/Kg		11/09/21 13:20	11/10/21 14:55	1
Copper	**8.0**	**B**	1.5	0.22	mg/Kg		11/09/21 13:20	11/10/21 14:55	1
Molybdenum	ND		2.0	0.74	mg/Kg		11/09/21 13:20	11/10/21 14:55	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC4-S1-5 DUP
Date Collected: 11/01/21 11:59
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	32		0.98	0.24	mg/Kg		11/09/21 13:20	11/10/21 14:55	1
Lead	32		0.98	0.25	mg/Kg		11/09/21 13:20	11/10/21 14:55	1
Selenium	ND		2.0	1.4	mg/Kg		11/09/21 13:20	11/10/21 14:55	1
Antimony	11		2.0	0.92	mg/Kg		11/09/21 13:20	11/10/21 14:55	1
Thallium	ND		2.0	0.82	mg/Kg		11/09/21 13:20	11/10/21 14:55	1
Vanadium	26		0.49	0.19	mg/Kg		11/09/21 13:20	11/10/21 14:55	1
Zinc	26		2.0	0.19	mg/Kg		11/09/21 13:20	11/10/21 14:55	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.052	J B	0.085	0.014	mg/Kg		11/14/21 10:50	11/15/21 17:53	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC9-SG3-5

Date Collected: 11/01/21 10:37
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-12

Matrix: Solid

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.49	0.049	mg/Kg		11/03/21 10:58	11/12/21 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 131*	*11/03/21 10:58*	*11/12/21 12:27*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.9	0.40	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,1,1-Trichloroethane	ND		4.9	0.35	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.66	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.7	0.81	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,1,2-Trichloroethane	ND		4.9	0.43	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,1-Dichloroethane	ND		4.9	0.28	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,1-Dichloroethene	ND		4.9	0.25	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,1-Dichloropropene	ND		4.9	0.36	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,2,3-Trichlorobenzene	ND		4.9	0.73	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,2,3-Trichloropropane	ND		4.9	0.74	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,2,4-Trichlorobenzene	ND		4.9	0.73	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,2,4-Trimethylbenzene	ND		4.9	0.50	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,2-Dibromo-3-Chloropropane	ND		9.7	0.85	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Ethylene Dibromide	ND		9.7	0.26	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,2-Dichlorobenzene	ND		4.9	0.62	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,2-Dichloroethane	ND		4.9	0.71	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,2-Dichloropropane	ND		4.9	0.58	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,3,5-Trimethylbenzene	ND		4.9	0.34	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,3-Dichlorobenzene	ND		4.9	0.29	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,3-Dichloropropane	ND		4.9	0.55	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
1,4-Dichlorobenzene	ND		4.9	0.76	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
2,2-Dichloropropane	ND		4.9	0.37	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
2-Butanone (MEK)	ND		9.7	1.4	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
2-Chlorotoluene	ND		4.9	0.60	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
2-Hexanone	ND		9.7	0.72	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
4-Chlorotoluene	ND		4.9	0.83	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
4-Methyl-2-pentanone (MIBK)	ND		9.7	0.89	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Acetone	ND		19	1.4	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Benzene	ND		4.9	0.25	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Bromobenzene	ND		4.9	0.50	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Chlorobromomethane	ND		4.9	0.91	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Dichlorobromomethane	ND		4.9	0.51	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Bromoform	ND		4.9	0.39	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Bromomethane	ND		4.9	0.83	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
cis-1,2-Dichloroethene	ND		4.9	0.86	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
cis-1,3-Dichloropropene	ND		4.9	0.62	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Carbon disulfide	ND		9.7	0.48	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Carbon tetrachloride	ND		4.9	0.51	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Chlorobenzene	ND		4.9	0.28	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Chloroethane	ND		4.9	0.44	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Chloroform	ND		4.9	0.25	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Chloromethane	ND		4.9	0.49	ug/Kg		11/03/21 10:58	11/12/21 12:27	1

Client Sample ID: AOC9-SG3-5

Date Collected: 11/01/21 10:37
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-12

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND		4.9	0.20	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Dibromomethane	ND		4.9	0.56	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Dichlorodifluoromethane	ND		4.9	0.86	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Ethylbenzene	ND		4.9	0.33	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Hexachlorobutadiene	ND		4.9	0.32	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Isopropylbenzene	ND		4.9	0.50	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Methylene Chloride	ND		9.7	0.82	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Methyl tert-butyl ether	ND		9.7	0.58	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Naphthalene	ND		4.9	0.61	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
n-Butylbenzene	ND		4.9	0.64	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
N-Propylbenzene	ND		4.9	0.28	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
4-Isopropyltoluene	ND		4.9	0.61	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
sec-Butylbenzene	ND		4.9	0.73	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Styrene	ND		4.9	0.30	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
trans-1,2-Dichloroethene	ND		4.9	0.37	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
trans-1,3-Dichloropropene	ND		4.9	0.73	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
tert-Butylbenzene	ND		4.9	0.52	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Tetrachloroethene	ND		4.9	0.59	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Toluene	ND		4.9	0.59	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Xylenes, Total	ND		4.9	0.79	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Trichloroethene	ND		4.9	0.58	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Trichlorofluoromethane	ND		4.9	0.33	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Vinyl acetate	ND		9.7	0.67	ug/Kg		11/03/21 10:58	11/12/21 12:27	1
Vinyl chloride	ND		4.9	0.35	ug/Kg		11/03/21 10:58	11/12/21 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*32 - 156*	*11/03/21 10:58*	*11/12/21 12:27*	*1*
4-Bromofluorobenzene (Surr)	*105*		*63 - 143*	*11/03/21 10:58*	*11/12/21 12:27*	*1*
Dibromofluoromethane (Surr)	*103*		*55 - 129*	*11/03/21 10:58*	*11/12/21 12:27*	*1*
Toluene-d8 (Surr)	*116*		*63 - 138*	*11/03/21 10:58*	*11/12/21 12:27*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.84**	**J**	1.0	0.50	mg/Kg		11/06/21 09:57	11/13/21 13:25	1
Motor Oil Range Organics [C24-C36]	ND		5.0	3.8	mg/Kg		11/06/21 09:57	11/13/21 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*63*		*51 - 111*	*11/06/21 09:57*	*11/13/21 13:25*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.49	0.087	mg/Kg		11/09/21 13:20	11/10/21 14:59	1
Arsenic	**2.3**		1.9	1.3	mg/Kg		11/09/21 13:20	11/10/21 14:59	1
Barium	**37**		0.97	0.12	mg/Kg		11/09/21 13:20	11/10/21 14:59	1
Beryllium	**0.44**		0.19	0.029	mg/Kg		11/09/21 13:20	11/10/21 14:59	1
Cadmium	**0.059**	**J**	0.19	0.029	mg/Kg		11/09/21 13:20	11/10/21 14:59	1
Cobalt	**3.0**		0.49	0.24	mg/Kg		11/09/21 13:20	11/10/21 14:59	1
Chromium	**32**		0.49	0.14	mg/Kg		11/09/21 13:20	11/10/21 14:59	1
Copper	**5.3**	**B**	1.5	0.21	mg/Kg		11/09/21 13:20	11/10/21 14:59	1
Molybdenum	ND		1.9	0.73	mg/Kg		11/09/21 13:20	11/10/21 14:59	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC9-SG3-5
Date Collected: 11/01/21 10:37
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	17		0.97	0.23	mg/Kg		11/09/21 13:20	11/10/21 14:59	1
Lead	20		0.97	0.25	mg/Kg		11/09/21 13:20	11/10/21 14:59	1
Selenium	ND		1.9	1.4	mg/Kg		11/09/21 13:20	11/10/21 14:59	1
Antimony	9.8		1.9	0.91	mg/Kg		11/09/21 13:20	11/10/21 14:59	1
Thallium	ND		1.9	0.82	mg/Kg		11/09/21 13:20	11/10/21 14:59	1
Vanadium	21		0.49	0.18	mg/Kg		11/09/21 13:20	11/10/21 14:59	1
Zinc	13		1.9	0.18	mg/Kg		11/09/21 13:20	11/10/21 14:59	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.060	J B	0.081	0.013	mg/Kg		11/14/21 10:50	11/15/21 17:55	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC9-SG3-10

Date Collected: 11/01/21 10:47
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-13

Matrix: Solid

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.49	0.049	mg/Kg		11/03/21 10:58	11/15/21 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 131*	*11/03/21 10:58*	*11/15/21 17:00*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.9	0.40	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,1,1-Trichloroethane	ND		4.9	0.35	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.66	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.8	0.81	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,1,2-Trichloroethane	ND		4.9	0.43	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,1-Dichloroethane	ND		4.9	0.28	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,1-Dichloroethene	ND		4.9	0.25	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,1-Dichloropropene	ND		4.9	0.36	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,2,3-Trichlorobenzene	ND		4.9	0.73	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,2,3-Trichloropropane	ND		4.9	0.74	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,2,4-Trichlorobenzene	ND		4.9	0.73	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,2,4-Trimethylbenzene	ND		4.9	0.50	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,2-Dibromo-3-Chloropropane	ND		9.8	0.86	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Ethylene Dibromide	ND		9.8	0.26	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,2-Dichlorobenzene	ND		4.9	0.63	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,2-Dichloroethane	ND		4.9	0.71	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,2-Dichloropropane	ND		4.9	0.59	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,3,5-Trimethylbenzene	ND		4.9	0.34	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,3-Dichlorobenzene	ND		4.9	0.29	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,3-Dichloropropane	ND		4.9	0.56	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
1,4-Dichlorobenzene	ND		4.9	0.76	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
2,2-Dichloropropane	ND		4.9	0.37	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
2-Butanone (MEK)	ND		9.8	1.4	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
2-Chlorotoluene	ND		4.9	0.61	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
2-Hexanone	ND		9.8	0.72	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
4-Chlorotoluene	ND		4.9	0.84	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
4-Methyl-2-pentanone (MIBK)	ND		9.8	0.90	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Acetone	ND		20	1.4	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Benzene	ND		4.9	0.25	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Bromobenzene	ND		4.9	0.51	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Chlorobromomethane	ND		4.9	0.92	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Dichlorobromomethane	ND		4.9	0.52	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Bromoform	ND		4.9	0.39	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Bromomethane	ND		4.9	0.84	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
cis-1,2-Dichloroethene	ND		4.9	0.87	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
cis-1,3-Dichloropropene	ND		4.9	0.63	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Carbon disulfide	ND		9.8	0.48	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Carbon tetrachloride	ND		4.9	0.52	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Chlorobenzene	ND		4.9	0.28	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Chloroethane	ND		4.9	0.44	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Chloroform	ND		4.9	0.25	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Chloromethane	ND		4.9	0.49	ug/Kg		11/03/21 10:58	11/15/21 17:00	1

Client Sample ID: AOC9-SG3-10

Date Collected: 11/01/21 10:47
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-13

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND		4.9	0.21	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Dibromomethane	ND		4.9	0.57	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Dichlorodifluoromethane	ND		4.9	0.87	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Ethylbenzene	ND		4.9	0.33	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Hexachlorobutadiene	ND		4.9	0.32	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Isopropylbenzene	ND		4.9	0.51	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Methylene Chloride	ND		9.8	0.82	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Methyl tert-butyl ether	ND		9.8	0.59	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Naphthalene	ND		4.9	0.62	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
n-Butylbenzene	ND		4.9	0.64	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
N-Propylbenzene	ND	*+	4.9	0.28	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
4-Isopropyltoluene	ND		4.9	0.62	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
sec-Butylbenzene	ND	*+	4.9	0.73	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Styrene	ND		4.9	0.30	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
trans-1,2-Dichloroethene	ND		4.9	0.37	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
trans-1,3-Dichloropropene	ND		4.9	0.73	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
tert-Butylbenzene	ND	*+	4.9	0.53	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Tetrachloroethene	ND		4.9	0.60	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Toluene	ND		4.9	0.60	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Xylenes, Total	ND		4.9	0.79	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Trichloroethene	ND		4.9	0.59	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Trichlorofluoromethane	ND		4.9	0.33	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Vinyl acetate	ND		9.8	0.67	ug/Kg		11/03/21 10:58	11/15/21 17:00	1
Vinyl chloride	ND	*+	4.9	0.35	ug/Kg		11/03/21 10:58	11/15/21 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*32 - 156*	*11/03/21 10:58*	*11/15/21 17:00*	*1*
4-Bromofluorobenzene (Surr)	*105*		*63 - 143*	*11/03/21 10:58*	*11/15/21 17:00*	*1*
Dibromofluoromethane (Surr)	*108*		*55 - 129*	*11/03/21 10:58*	*11/15/21 17:00*	*1*
Toluene-d8 (Surr)	*129*		*63 - 138*	*11/03/21 10:58*	*11/15/21 17:00*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.49**	**J**	0.98	0.49	mg/Kg		11/06/21 09:57	11/13/21 13:54	1
Motor Oil Range Organics [C24-C36]	ND		4.9	3.7	mg/Kg		11/06/21 09:57	11/13/21 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*62*		*51 - 111*	*11/06/21 09:57*	*11/13/21 13:54*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.090	mg/Kg		11/09/21 13:20	11/10/21 15:03	1
Arsenic	**3.1**		2.0	1.3	mg/Kg		11/09/21 13:20	11/10/21 15:03	1
Barium	**52**		1.0	0.12	mg/Kg		11/09/21 13:20	11/10/21 15:03	1
Beryllium	**0.59**		0.20	0.030	mg/Kg		11/09/21 13:20	11/10/21 15:03	1
Cadmium	**0.067**	**J**	0.20	0.030	mg/Kg		11/09/21 13:20	11/10/21 15:03	1
Cobalt	**5.5**		0.50	0.25	mg/Kg		11/09/21 13:20	11/10/21 15:03	1
Chromium	**45**		0.50	0.14	mg/Kg		11/09/21 13:20	11/10/21 15:03	1
Copper	**7.9**	**B**	1.5	0.22	mg/Kg		11/09/21 13:20	11/10/21 15:03	1
Molybdenum	ND		2.0	0.75	mg/Kg		11/09/21 13:20	11/10/21 15:03	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC9-SG3-10
Date Collected: 11/01/21 10:47
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	38		1.0	0.24	mg/Kg		11/09/21 13:20	11/10/21 15:03	1
Lead	2.8		1.0	0.26	mg/Kg		11/09/21 13:20	11/10/21 15:03	1
Selenium	ND		2.0	1.4	mg/Kg		11/09/21 13:20	11/10/21 15:03	1
Antimony	12		2.0	0.94	mg/Kg		11/09/21 13:20	11/10/21 15:03	1
Thallium	ND		2.0	0.84	mg/Kg		11/09/21 13:20	11/10/21 15:03	1
Vanadium	28		0.50	0.19	mg/Kg		11/09/21 13:20	11/10/21 15:03	1
Zinc	21		2.0	0.19	mg/Kg		11/09/21 13:20	11/10/21 15:03	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J B	0.079	0.013	mg/Kg		11/14/21 10:50	11/15/21 17:57	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC9-SG4-5

Date Collected: 11/01/21 10:00
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-14

Matrix: Solid

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.50	0.050	mg/Kg		11/03/21 10:58	11/12/21 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 131*	*11/03/21 10:58*	*11/12/21 13:11*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	0.41	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.67	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.9	0.82	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,1,2-Trichloroethane	ND		5.0	0.44	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,1-Dichloroethane	ND		5.0	0.29	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,1-Dichloroethene	ND		5.0	0.26	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,1-Dichloropropene	ND		5.0	0.37	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,2,3-Trichlorobenzene	ND		5.0	0.74	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,2,3-Trichloropropane	ND		5.0	0.75	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,2,4-Trichlorobenzene	ND		5.0	0.74	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,2,4-Trimethylbenzene	ND		5.0	0.51	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,2-Dibromo-3-Chloropropane	ND		9.9	0.87	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Ethylene Dibromide	ND		9.9	0.27	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,2-Dichlorobenzene	ND		5.0	0.63	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,2-Dichloroethane	ND		5.0	0.72	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,2-Dichloropropane	ND		5.0	0.60	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,3,5-Trimethylbenzene	ND		5.0	0.35	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,3-Dichloropropane	ND		5.0	0.57	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
1,4-Dichlorobenzene	ND		5.0	0.77	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
2,2-Dichloropropane	ND		5.0	0.38	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
2-Butanone (MEK)	ND		9.9	1.4	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
2-Chlorotoluene	ND		5.0	0.62	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
2-Hexanone	ND		9.9	0.73	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
4-Chlorotoluene	ND		5.0	0.85	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
4-Methyl-2-pentanone (MIBK)	ND		9.9	0.91	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Acetone	**2.4**	**J**	20	1.4	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Benzene	ND		5.0	0.26	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Bromobenzene	ND		5.0	0.52	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Chlorobromomethane	ND		5.0	0.93	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Dichlorobromomethane	ND		5.0	0.53	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Bromoform	ND		5.0	0.40	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Bromomethane	ND		5.0	0.85	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
cis-1,2-Dichloroethene	ND		5.0	0.88	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
cis-1,3-Dichloropropene	ND		5.0	0.63	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Carbon disulfide	ND		9.9	0.49	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Carbon tetrachloride	ND		5.0	0.53	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Chlorobenzene	ND		5.0	0.29	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Chloroethane	ND		5.0	0.45	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Chloroform	ND		5.0	0.26	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Chloromethane	ND		5.0	0.50	ug/Kg		11/03/21 10:58	11/12/21 13:11	1

Client Sample ID: AOC9-SG4-5

Date Collected: 11/01/21 10:00
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-14

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND		5.0	0.21	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Dibromomethane	ND		5.0	0.58	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Dichlorodifluoromethane	ND		5.0	0.88	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Ethylbenzene	ND		5.0	0.34	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Hexachlorobutadiene	ND		5.0	0.33	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Isopropylbenzene	ND		5.0	0.52	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Methylene Chloride	ND		9.9	0.83	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Methyl tert-butyl ether	ND		9.9	0.60	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Naphthalene	ND		5.0	0.63	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
n-Butylbenzene	ND		5.0	0.65	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
N-Propylbenzene	ND		5.0	0.29	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
4-Isopropyltoluene	ND		5.0	0.63	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
sec-Butylbenzene	ND		5.0	0.74	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Styrene	ND		5.0	0.31	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
trans-1,2-Dichloroethene	ND		5.0	0.38	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
trans-1,3-Dichloropropene	ND		5.0	0.74	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
tert-Butylbenzene	ND		5.0	0.54	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Tetrachloroethene	ND		5.0	0.61	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Toluene	ND		5.0	0.61	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Xylenes, Total	ND		5.0	0.80	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Trichloroethene	ND		5.0	0.60	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Trichlorofluoromethane	ND		5.0	0.34	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Vinyl acetate	ND		9.9	0.68	ug/Kg		11/03/21 10:58	11/12/21 13:11	1
Vinyl chloride	ND		5.0	0.36	ug/Kg		11/03/21 10:58	11/12/21 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*32 - 156*	*11/03/21 10:58*	*11/12/21 13:11*	*1*
4-Bromofluorobenzene (Surr)	*104*		*63 - 143*	*11/03/21 10:58*	*11/12/21 13:11*	*1*
Dibromofluoromethane (Surr)	*102*		*55 - 129*	*11/03/21 10:58*	*11/12/21 13:11*	*1*
Toluene-d8 (Surr)	*115*		*63 - 138*	*11/03/21 10:58*	*11/12/21 13:11*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.98	0.49	mg/Kg		11/06/21 09:57	11/13/21 14:22	1
Motor Oil Range Organics [C24-C36]	ND		4.9	3.7	mg/Kg		11/06/21 09:57	11/13/21 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*62*		*51 - 111*	*11/06/21 09:57*	*11/13/21 14:22*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.49	0.087	mg/Kg		11/09/21 13:20	11/10/21 15:07	1
Arsenic	**2.8**		1.9	1.3	mg/Kg		11/09/21 13:20	11/10/21 15:07	1
Barium	**40**		0.97	0.12	mg/Kg		11/09/21 13:20	11/10/21 15:07	1
Beryllium	**0.52**		0.19	0.029	mg/Kg		11/09/21 13:20	11/10/21 15:07	1
Cadmium	**0.069**	**J**	0.19	0.029	mg/Kg		11/09/21 13:20	11/10/21 15:07	1
Cobalt	**5.6**		0.49	0.24	mg/Kg		11/09/21 13:20	11/10/21 15:07	1
Chromium	**30**		0.49	0.14	mg/Kg		11/09/21 13:20	11/10/21 15:07	1
Copper	**5.5**	**B**	1.5	0.21	mg/Kg		11/09/21 13:20	11/10/21 15:07	1
Molybdenum	ND		1.9	0.73	mg/Kg		11/09/21 13:20	11/10/21 15:07	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC9-SG4-5
Date Collected: 11/01/21 10:00
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	26		0.97	0.23	mg/Kg		11/09/21 13:20	11/10/21 15:07	1
Lead	3.3		0.97	0.25	mg/Kg		11/09/21 13:20	11/10/21 15:07	1
Selenium	ND		1.9	1.4	mg/Kg		11/09/21 13:20	11/10/21 15:07	1
Antimony	9.6		1.9	0.91	mg/Kg		11/09/21 13:20	11/10/21 15:07	1
Thallium	ND		1.9	0.82	mg/Kg		11/09/21 13:20	11/10/21 15:07	1
Vanadium	26		0.49	0.18	mg/Kg		11/09/21 13:20	11/10/21 15:07	1
Zinc	17		1.9	0.18	mg/Kg		11/09/21 13:20	11/10/21 15:07	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035	J B	0.086	0.014	mg/Kg		11/14/21 10:50	11/15/21 17:59	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC9-SG4-10

Date Collected: 11/01/21 10:05
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-15

Matrix: Solid

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.47	0.047	mg/Kg		11/03/21 10:58	11/12/21 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 131*	*11/03/21 10:58*	*11/12/21 13:33*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.7	0.38	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,1,1-Trichloroethane	ND		4.7	0.34	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.64	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.4	0.78	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,1,2-Trichloroethane	ND		4.7	0.41	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,1-Dichloroethane	ND		4.7	0.27	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,1-Dichloroethene	ND		4.7	0.24	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,1-Dichloropropene	ND		4.7	0.35	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,2,3-Trichlorobenzene	ND		4.7	0.70	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,2,3-Trichloropropane	ND		4.7	0.71	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,2,4-Trichlorobenzene	ND		4.7	0.70	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,2,4-Trimethylbenzene	ND		4.7	0.48	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,2-Dibromo-3-Chloropropane	ND		9.4	0.83	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Ethylene Dibromide	ND		9.4	0.25	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,2-Dichlorobenzene	ND		4.7	0.60	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,2-Dichloroethane	ND		4.7	0.68	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,2-Dichloropropane	ND		4.7	0.56	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,3,5-Trimethylbenzene	ND		4.7	0.33	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,3-Dichlorobenzene	ND		4.7	0.28	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,3-Dichloropropane	ND		4.7	0.53	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
1,4-Dichlorobenzene	ND		4.7	0.73	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
2,2-Dichloropropane	ND		4.7	0.36	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
2-Butanone (MEK)	ND		9.4	1.3	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
2-Chlorotoluene	ND		4.7	0.58	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
2-Hexanone	ND		9.4	0.69	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
4-Chlorotoluene	ND		4.7	0.81	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
4-Methyl-2-pentanone (MIBK)	ND		9.4	0.86	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Acetone	**5.9**	**J**	19	1.3	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Benzene	ND		4.7	0.24	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Bromobenzene	ND		4.7	0.49	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Chlorobromomethane	ND		4.7	0.88	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Dichlorobromomethane	ND		4.7	0.50	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Bromoform	ND		4.7	0.38	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Bromomethane	ND		4.7	0.81	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
cis-1,2-Dichloroethene	ND		4.7	0.83	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
cis-1,3-Dichloropropene	ND		4.7	0.60	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Carbon disulfide	ND		9.4	0.46	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Carbon tetrachloride	ND		4.7	0.50	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Chlorobenzene	ND		4.7	0.27	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Chloroethane	ND		4.7	0.42	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Chloroform	ND		4.7	0.24	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Chloromethane	ND		4.7	0.47	ug/Kg		11/03/21 10:58	11/12/21 13:33	1

Client Sample ID: AOC9-SG4-10

Date Collected: 11/01/21 10:05
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-15

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND		4.7	0.20	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Dibromomethane	ND		4.7	0.54	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Dichlorodifluoromethane	ND		4.7	0.83	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Ethylbenzene	ND		4.7	0.32	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Hexachlorobutadiene	ND		4.7	0.31	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Isopropylbenzene	ND		4.7	0.49	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Methylene Chloride	ND		9.4	0.79	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Methyl tert-butyl ether	ND		9.4	0.56	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Naphthalene	ND		4.7	0.59	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
n-Butylbenzene	ND		4.7	0.62	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
N-Propylbenzene	ND		4.7	0.27	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
4-Isopropyltoluene	ND		4.7	0.59	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
sec-Butylbenzene	ND		4.7	0.70	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Styrene	ND		4.7	0.29	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
trans-1,2-Dichloroethene	ND		4.7	0.36	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
trans-1,3-Dichloropropene	ND		4.7	0.70	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
tert-Butylbenzene	ND		4.7	0.51	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Tetrachloroethene	ND		4.7	0.57	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Toluene	ND		4.7	0.57	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Xylenes, Total	ND		4.7	0.76	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Trichloroethene	ND		4.7	0.56	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Trichlorofluoromethane	ND		4.7	0.32	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Vinyl acetate	ND		9.4	0.65	ug/Kg		11/03/21 10:58	11/12/21 13:33	1
Vinyl chloride	ND		4.7	0.34	ug/Kg		11/03/21 10:58	11/12/21 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*32 - 156*	*11/03/21 10:58*	*11/12/21 13:33*	*1*
4-Bromofluorobenzene (Surr)	*109*		*63 - 143*	*11/03/21 10:58*	*11/12/21 13:33*	*1*
Dibromofluoromethane (Surr)	*106*		*55 - 129*	*11/03/21 10:58*	*11/12/21 13:33*	*1*
Toluene-d8 (Surr)	*116*		*63 - 138*	*11/03/21 10:58*	*11/12/21 13:33*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.62**	**J**	0.98	0.49	mg/Kg		11/06/21 09:57	11/13/21 14:51	1
Motor Oil Range Organics [C24-C36]	ND		4.9	3.7	mg/Kg		11/06/21 09:57	11/13/21 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*63*		*51 - 111*	*11/06/21 09:57*	*11/13/21 14:51*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.49	0.088	mg/Kg		11/09/21 13:20	11/10/21 15:18	1
Arsenic	**2.7**		2.0	1.3	mg/Kg		11/09/21 13:20	11/10/21 15:18	1
Barium	**46**		0.98	0.12	mg/Kg		11/09/21 13:20	11/10/21 15:18	1
Beryllium	**0.54**		0.20	0.029	mg/Kg		11/09/21 13:20	11/10/21 15:18	1
Cadmium	**0.063**	**J**	0.20	0.029	mg/Kg		11/09/21 13:20	11/10/21 15:18	1
Cobalt	**4.7**		0.49	0.25	mg/Kg		11/09/21 13:20	11/10/21 15:18	1
Chromium	**39**		0.49	0.14	mg/Kg		11/09/21 13:20	11/10/21 15:18	1
Copper	**7.5**	**B**	1.5	0.22	mg/Kg		11/09/21 13:20	11/10/21 15:18	1
Molybdenum	ND		2.0	0.74	mg/Kg		11/09/21 13:20	11/10/21 15:18	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC9-SG4-10
Date Collected: 11/01/21 10:05
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	35		0.98	0.24	mg/Kg		11/09/21 13:20	11/10/21 15:18	1
Lead	2.6		0.98	0.25	mg/Kg		11/09/21 13:20	11/10/21 15:18	1
Selenium	ND		2.0	1.4	mg/Kg		11/09/21 13:20	11/10/21 15:18	1
Antimony	12		2.0	0.92	mg/Kg		11/09/21 13:20	11/10/21 15:18	1
Thallium	ND		2.0	0.82	mg/Kg		11/09/21 13:20	11/10/21 15:18	1
Vanadium	25		0.49	0.19	mg/Kg		11/09/21 13:20	11/10/21 15:18	1
Zinc	20		2.0	0.19	mg/Kg		11/09/21 13:20	11/10/21 15:18	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032	J B	0.085	0.014	mg/Kg		11/14/21 10:50	11/15/21 18:00	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC1-S2-0.5

Date Collected: 11/01/21 12:53
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-16

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.3	1.1	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
4,4'-DDE	**3.5**	**J**	8.3	1.0	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
4,4'-DDT	**10**		8.3	1.2	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
Aldrin	ND		8.3	0.68	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
alpha-BHC	ND		8.3	0.78	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
cis-Chlordane	ND		8.3	0.88	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
beta-BHC	ND		8.3	1.1	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
Chlordane (technical)	ND		98	46	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
delta-BHC	ND		8.3	1.7	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
Dieldrin	ND		8.3	0.98	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
Endosulfan I	ND		8.3	0.88	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
Endosulfan II	ND		8.3	0.88	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
Endosulfan sulfate	ND		8.3	1.7	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
Endrin	ND		8.3	0.98	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
Endrin aldehyde	ND		8.3	2.8	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
Endrin ketone	ND		8.3	1.3	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
trans-Chlordane	ND		8.3	2.9	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
gamma-BHC (Lindane)	ND		8.3	0.68	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
Heptachlor	ND		8.3	0.73	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
Heptachlor epoxide	ND		8.3	0.88	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
Methoxychlor	ND		17	2.7	ug/Kg		11/13/21 08:25	11/23/21 18:35	5
Toxaphene	ND		330	110	ug/Kg		11/13/21 08:25	11/23/21 18:35	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*103*		*46 - 109*	*11/13/21 08:25*	*11/23/21 18:35*	*5*
DCB Decachlorobiphenyl	*52*		*46 - 109*	*11/13/21 08:25*	*11/23/21 18:35*	*5*
Tetrachloro-m-xylene	*65*		*47 - 107*	*11/13/21 08:25*	*11/23/21 18:35*	*5*
Tetrachloro-m-xylene	*52*		*47 - 107*	*11/13/21 08:25*	*11/23/21 18:35*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		64	5.0	ug/Kg		11/13/21 08:43	11/20/21 09:18	2
PCB-1221	ND		64	7.1	ug/Kg		11/13/21 08:43	11/20/21 09:18	2
PCB-1232	ND		64	9.3	ug/Kg		11/13/21 08:43	11/20/21 09:18	2
PCB-1242	ND		64	12	ug/Kg		11/13/21 08:43	11/20/21 09:18	2
PCB-1248	ND		64	4.8	ug/Kg		11/13/21 08:43	11/20/21 09:18	2
PCB-1254	ND		64	7.4	ug/Kg		11/13/21 08:43	11/20/21 09:18	2
PCB-1260	**26**	**J P**	64	5.3	ug/Kg		11/13/21 08:43	11/20/21 09:18	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*52 - 138*	*11/13/21 08:43*	*11/20/21 09:18*	*2*
Tetrachloro-m-xylene	*71*		*56 - 114*	*11/13/21 08:43*	*11/20/21 09:18*	*2*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**450**		0.97	0.25	mg/Kg		11/09/21 13:20	11/10/21 15:22	1
Arsenic	**9.0**		1.9	1.3	mg/Kg		11/09/21 13:20	11/10/21 15:22	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC1-S2-2
Date Collected: 11/01/21 12:57
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-17
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.22	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
4,4'-DDE	ND		1.6	0.20	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
4,4'-DDT	ND		1.6	0.24	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
Aldrin	ND		1.6	0.13	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
alpha-BHC	ND		1.6	0.15	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
cis-Chlordane	ND		1.6	0.17	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
beta-BHC	ND		1.6	0.21	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
Chlordane (technical)	ND		19	8.9	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
delta-BHC	ND		1.6	0.33	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
Dieldrin	ND		1.6	0.19	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
Endosulfan I	ND		1.6	0.17	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
Endosulfan II	ND		1.6	0.17	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
Endosulfan sulfate	ND		1.6	0.33	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
Endrin	ND		1.6	0.19	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
Endrin aldehyde	ND		1.6	0.54	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
Endrin ketone	ND		1.6	0.26	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
trans-Chlordane	ND		1.6	0.57	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
gamma-BHC (Lindane)	ND		1.6	0.13	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
Heptachlor	ND		1.6	0.14	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
Heptachlor epoxide	ND		1.6	0.17	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
Methoxychlor	ND		3.2	0.53	ug/Kg		11/13/21 08:25	11/23/21 18:54	1
Toxaphene	ND		64	21	ug/Kg		11/13/21 08:25	11/23/21 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*46 - 109*	*11/13/21 08:25*	*11/23/21 18:54*	*1*
DCB Decachlorobiphenyl	*75*		*46 - 109*	*11/13/21 08:25*	*11/23/21 18:54*	*1*
Tetrachloro-m-xylene	*69*		*47 - 107*	*11/13/21 08:25*	*11/23/21 18:54*	*1*
Tetrachloro-m-xylene	*61*		*47 - 107*	*11/13/21 08:25*	*11/23/21 18:54*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC9-S2-5

Date Collected: 11/01/21 13:00
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-18

Matrix: Solid

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.49	0.049	mg/Kg		11/03/21 10:58	11/12/21 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 131*	*11/03/21 10:58*	*11/12/21 13:55*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.9	0.40	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,1,1-Trichloroethane	ND		4.9	0.35	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.67	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.8	0.81	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,1,2-Trichloroethane	ND		4.9	0.43	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,1-Dichloroethane	ND		4.9	0.28	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,1-Dichloroethene	ND		4.9	0.25	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,1-Dichloropropene	ND		4.9	0.36	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,2,3-Trichlorobenzene	ND		4.9	0.73	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,2,3-Trichloropropane	ND		4.9	0.74	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,2,4-Trichlorobenzene	ND		4.9	0.73	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,2,4-Trimethylbenzene	ND		4.9	0.50	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,2-Dibromo-3-Chloropropane	ND		9.8	0.86	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Ethylene Dibromide	ND		9.8	0.26	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,2-Dichlorobenzene	ND		4.9	0.63	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,2-Dichloroethane	ND		4.9	0.71	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,2-Dichloropropane	ND		4.9	0.59	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,3,5-Trimethylbenzene	ND		4.9	0.34	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,3-Dichlorobenzene	ND		4.9	0.29	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,3-Dichloropropane	ND		4.9	0.56	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
1,4-Dichlorobenzene	ND		4.9	0.76	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
2,2-Dichloropropane	ND		4.9	0.37	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
2-Butanone (MEK)	ND		9.8	1.4	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
2-Chlorotoluene	ND		4.9	0.61	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
2-Hexanone	ND		9.8	0.72	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
4-Chlorotoluene	ND		4.9	0.84	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
4-Methyl-2-pentanone (MIBK)	ND		9.8	0.90	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Acetone	**4.0**	**J**	20	1.4	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Benzene	ND		4.9	0.25	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Bromobenzene	ND		4.9	0.51	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Chlorobromomethane	ND		4.9	0.92	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Dichlorobromomethane	ND		4.9	0.52	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Bromoform	ND		4.9	0.39	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Bromomethane	ND		4.9	0.84	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
cis-1,2-Dichloroethene	ND		4.9	0.87	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
cis-1,3-Dichloropropene	ND		4.9	0.63	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Carbon disulfide	ND		9.8	0.48	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Carbon tetrachloride	ND		4.9	0.52	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Chlorobenzene	ND		4.9	0.28	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Chloroethane	ND		4.9	0.44	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Chloroform	ND		4.9	0.25	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Chloromethane	ND		4.9	0.49	ug/Kg		11/03/21 10:58	11/12/21 13:55	1

Client Sample ID: AOC9-S2-5

Date Collected: 11/01/21 13:00
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-18

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND		4.9	0.21	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Dibromomethane	ND		4.9	0.57	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Dichlorodifluoromethane	ND		4.9	0.87	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Ethylbenzene	ND		4.9	0.33	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Hexachlorobutadiene	ND		4.9	0.32	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Isopropylbenzene	ND		4.9	0.51	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Methylene Chloride	ND		9.8	0.82	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Methyl tert-butyl ether	ND		9.8	0.59	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Naphthalene	ND		4.9	0.62	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
n-Butylbenzene	ND		4.9	0.65	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
N-Propylbenzene	ND		4.9	0.28	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
4-Isopropyltoluene	ND		4.9	0.62	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
sec-Butylbenzene	ND		4.9	0.73	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Styrene	ND		4.9	0.30	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
trans-1,2-Dichloroethene	ND		4.9	0.37	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
trans-1,3-Dichloropropene	ND		4.9	0.73	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
tert-Butylbenzene	ND		4.9	0.53	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Tetrachloroethene	ND		4.9	0.60	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Toluene	ND		4.9	0.60	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Xylenes, Total	ND		4.9	0.79	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Trichloroethene	ND		4.9	0.59	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Trichlorofluoromethane	ND		4.9	0.33	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Vinyl acetate	ND		9.8	0.68	ug/Kg		11/03/21 10:58	11/12/21 13:55	1
Vinyl chloride	ND		4.9	0.35	ug/Kg		11/03/21 10:58	11/12/21 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*32 - 156*	*11/03/21 10:58*	*11/12/21 13:55*	*1*
4-Bromofluorobenzene (Surr)	*107*		*63 - 143*	*11/03/21 10:58*	*11/12/21 13:55*	*1*
Dibromofluoromethane (Surr)	*104*		*55 - 129*	*11/03/21 10:58*	*11/12/21 13:55*	*1*
Toluene-d8 (Surr)	*115*		*63 - 138*	*11/03/21 10:58*	*11/12/21 13:55*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.53**	**J**	0.99	0.50	mg/Kg		11/06/21 09:57	11/13/21 15:20	1
Motor Oil Range Organics [C24-C36]	ND		5.0	3.7	mg/Kg		11/06/21 09:57	11/13/21 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*59*		*51 - 111*	*11/06/21 09:57*	*11/13/21 15:20*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.49	0.087	mg/Kg		11/09/21 13:20	11/10/21 15:26	1
Arsenic	**1.6**	**J**	1.9	1.3	mg/Kg		11/09/21 13:20	11/10/21 15:26	1
Barium	**31**		0.97	0.12	mg/Kg		11/09/21 13:20	11/10/21 15:26	1
Beryllium	**0.35**		0.19	0.029	mg/Kg		11/09/21 13:20	11/10/21 15:26	1
Cadmium	**0.041**	**J**	0.19	0.029	mg/Kg		11/09/21 13:20	11/10/21 15:26	1
Cobalt	**2.9**		0.49	0.24	mg/Kg		11/09/21 13:20	11/10/21 15:26	1
Chromium	**20**		0.49	0.14	mg/Kg		11/09/21 13:20	11/10/21 15:26	1
Copper	**4.4**	**B**	1.5	0.21	mg/Kg		11/09/21 13:20	11/10/21 15:26	1
Molybdenum	ND		1.9	0.73	mg/Kg		11/09/21 13:20	11/10/21 15:26	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC9-S2-5
Date Collected: 11/01/21 13:00
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	14		0.97	0.23	mg/Kg		11/09/21 13:20	11/10/21 15:26	1
Lead	2.6		0.97	0.25	mg/Kg		11/09/21 13:20	11/10/21 15:26	1
Selenium	ND		1.9	1.4	mg/Kg		11/09/21 13:20	11/10/21 15:26	1
Antimony	7.5		1.9	0.91	mg/Kg		11/09/21 13:20	11/10/21 15:26	1
Thallium	ND		1.9	0.82	mg/Kg		11/09/21 13:20	11/10/21 15:26	1
Vanadium	15		0.49	0.18	mg/Kg		11/09/21 13:20	11/10/21 15:26	1
Zinc	11		1.9	0.18	mg/Kg		11/09/21 13:20	11/10/21 15:26	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032	J B	0.082	0.013	mg/Kg		11/14/21 10:50	11/15/21 18:02	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC9-S2-10

Date Collected: 11/01/21 13:02
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-19

Matrix: Solid

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.47	0.047	mg/Kg		11/03/21 11:01	11/12/21 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 131*	*11/03/21 11:01*	*11/12/21 14:18*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.7	0.39	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,1,1-Trichloroethane	ND		4.7	0.34	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.64	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.5	0.78	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,1,2-Trichloroethane	ND		4.7	0.42	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,1-Dichloroethane	ND		4.7	0.27	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,1-Dichloroethene	ND		4.7	0.25	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,1-Dichloropropene	ND		4.7	0.35	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,2,3-Trichlorobenzene	ND		4.7	0.71	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,2,3-Trichloropropane	ND		4.7	0.72	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,2,4-Trichlorobenzene	ND		4.7	0.71	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,2,4-Trimethylbenzene	ND		4.7	0.48	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,2-Dibromo-3-Chloropropane	ND		9.5	0.83	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Ethylene Dibromide	ND		9.5	0.26	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,2-Dichlorobenzene	ND		4.7	0.60	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,2-Dichloroethane	ND		4.7	0.69	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,2-Dichloropropane	ND		4.7	0.57	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,3,5-Trimethylbenzene	ND		4.7	0.33	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,3-Dichlorobenzene	ND		4.7	0.28	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,3-Dichloropropane	ND		4.7	0.54	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
1,4-Dichlorobenzene	ND		4.7	0.74	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
2,2-Dichloropropane	ND		4.7	0.36	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
2-Butanone (MEK)	ND		9.5	1.3	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
2-Chlorotoluene	ND		4.7	0.59	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
2-Hexanone	ND		9.5	0.70	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
4-Chlorotoluene	ND		4.7	0.81	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
4-Methyl-2-pentanone (MIBK)	ND		9.5	0.87	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Acetone	**1.4**	**J**	19	1.3	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Benzene	ND		4.7	0.25	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Bromobenzene	ND		4.7	0.49	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Chlorobromomethane	ND		4.7	0.89	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Dichlorobromomethane	ND		4.7	0.50	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Bromoform	ND		4.7	0.38	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Bromomethane	ND		4.7	0.81	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
cis-1,2-Dichloroethene	ND		4.7	0.84	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
cis-1,3-Dichloropropene	ND		4.7	0.60	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Carbon disulfide	ND		9.5	0.46	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Carbon tetrachloride	ND		4.7	0.50	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Chlorobenzene	ND		4.7	0.27	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Chloroethane	ND		4.7	0.43	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Chloroform	ND		4.7	0.25	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Chloromethane	ND		4.7	0.47	ug/Kg		11/03/21 11:01	11/12/21 14:18	1

Client Sample ID: AOC9-S2-10

Date Collected: 11/01/21 13:02
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-19

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND		4.7	0.20	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Dibromomethane	ND		4.7	0.55	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Dichlorodifluoromethane	ND		4.7	0.84	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Ethylbenzene	ND		4.7	0.32	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Hexachlorobutadiene	ND		4.7	0.31	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Isopropylbenzene	ND		4.7	0.49	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Methylene Chloride	ND		9.5	0.79	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Methyl tert-butyl ether	ND		9.5	0.57	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Naphthalene	ND		4.7	0.60	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
n-Butylbenzene	ND		4.7	0.62	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
N-Propylbenzene	ND		4.7	0.27	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
4-Isopropyltoluene	ND		4.7	0.60	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
sec-Butylbenzene	ND		4.7	0.71	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Styrene	ND		4.7	0.29	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
trans-1,2-Dichloroethene	ND		4.7	0.36	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
trans-1,3-Dichloropropene	ND		4.7	0.71	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
tert-Butylbenzene	ND		4.7	0.51	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Tetrachloroethene	ND		4.7	0.58	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Toluene	ND		4.7	0.58	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Xylenes, Total	ND		4.7	0.77	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Trichloroethene	ND		4.7	0.57	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Trichlorofluoromethane	ND		4.7	0.32	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Vinyl acetate	ND		9.5	0.65	ug/Kg		11/03/21 11:01	11/12/21 14:18	1
Vinyl chloride	ND		4.7	0.34	ug/Kg		11/03/21 11:01	11/12/21 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*32 - 156*	*11/03/21 11:01*	*11/12/21 14:18*	*1*
4-Bromofluorobenzene (Surr)	*104*		*63 - 143*	*11/03/21 11:01*	*11/12/21 14:18*	*1*
Dibromofluoromethane (Surr)	*103*		*55 - 129*	*11/03/21 11:01*	*11/12/21 14:18*	*1*
Toluene-d8 (Surr)	*114*		*63 - 138*	*11/03/21 11:01*	*11/12/21 14:18*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.8**		0.99	0.50	mg/Kg		11/06/21 09:57	11/13/21 15:48	1
Motor Oil Range Organics [C24-C36]	**6.2**		5.0	3.7	mg/Kg		11/06/21 09:57	11/13/21 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*72*		*51 - 111*	*11/06/21 09:57*	*11/13/21 15:48*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.089	mg/Kg		11/04/21 13:39	11/09/21 15:39	1
Arsenic	**2.5**		2.0	1.3	mg/Kg		11/04/21 13:39	11/05/21 13:43	1
Barium	**49**		0.99	0.12	mg/Kg		11/04/21 13:39	11/05/21 13:43	1
Beryllium	**0.65**		0.20	0.030	mg/Kg		11/04/21 13:39	11/10/21 16:35	1
Cadmium	**0.059**	**J**	0.20	0.030	mg/Kg		11/04/21 13:39	11/05/21 13:43	1
Cobalt	**6.1**		0.50	0.25	mg/Kg		11/04/21 13:39	11/05/21 13:43	1
Chromium	**40**		0.50	0.14	mg/Kg		11/04/21 13:39	11/05/21 13:43	1
Copper	**7.1**	**B**	1.5	0.22	mg/Kg		11/04/21 13:39	11/05/21 13:43	1
Molybdenum	ND		2.0	0.74	mg/Kg		11/04/21 13:39	11/05/21 13:43	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC9-S2-10
Date Collected: 11/01/21 13:02
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	37		0.99	0.24	mg/Kg		11/04/21 13:39	11/05/21 13:43	1
Lead	2.8		0.99	0.26	mg/Kg		11/04/21 13:39	11/05/21 13:43	1
Selenium	ND		2.0	1.4	mg/Kg		11/04/21 13:39	11/05/21 13:43	1
Antimony	15	B	2.0	0.93	mg/Kg		11/04/21 13:39	11/05/21 13:43	1
Thallium	ND		2.0	0.83	mg/Kg		11/04/21 13:39	11/09/21 15:39	1
Vanadium	27		0.50	0.19	mg/Kg		11/04/21 13:39	11/05/21 13:43	1
Zinc	23		2.0	0.19	mg/Kg		11/04/21 13:39	11/05/21 13:43	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022	J B	0.086	0.014	mg/Kg		11/14/21 10:50	11/15/21 18:04	1

Client Sample ID: AOC6-S9B-4

Date Collected: 11/01/21 11:28
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-20

Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.9		0.99	0.49	mg/Kg		11/06/21 09:57	11/13/21 16:17	1
Motor Oil Range Organics [C24-C36]	7.3		4.9	3.7	mg/Kg		11/06/21 09:57	11/13/21 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*45*	*S1-*	*51 - 111*	*11/06/21 09:57*	*11/13/21 16:17*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		31	2.4	ug/Kg		11/10/21 10:54	11/16/21 18:50	1
PCB-1221	ND		31	3.4	ug/Kg		11/10/21 10:54	11/16/21 18:50	1
PCB-1232	ND		31	4.5	ug/Kg		11/10/21 10:54	11/16/21 18:50	1
PCB-1242	ND		31	5.6	ug/Kg		11/10/21 10:54	11/16/21 18:50	1
PCB-1248	ND		31	2.3	ug/Kg		11/10/21 10:54	11/16/21 18:50	1
PCB-1254	ND		31	3.6	ug/Kg		11/10/21 10:54	11/16/21 18:50	1
PCB-1260	ND		31	2.5	ug/Kg		11/10/21 10:54	11/16/21 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*37*	*S1-*	*52 - 138*	*11/10/21 10:54*	*11/16/21 18:50*	*1*
Tetrachloro-m-xylene	*36*	*S1-*	*56 - 114*	*11/10/21 10:54*	*11/16/21 18:50*	*1*

Client Sample ID: EB11012021

Date Collected: 11/01/21 13:50
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-21

Matrix: Water

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		48	15	ug/L		11/05/21 12:43	11/09/21 13:54	1
Motor Oil Range Organics [C28-C40]	ND		480	160	ug/L		11/05/21 12:43	11/09/21 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*69*		*56 - 145*	*11/05/21 12:43*	*11/09/21 13:54*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48	0.072	ug/L		11/05/21 09:42	11/17/21 21:27	1
PCB-1221	ND		0.48	0.25	ug/L		11/05/21 09:42	11/17/21 21:27	1
PCB-1232	ND		0.48	0.077	ug/L		11/05/21 09:42	11/17/21 21:27	1
PCB-1242	ND		0.48	0.12	ug/L		11/05/21 09:42	11/17/21 21:27	1
PCB-1248	ND		0.48	0.12	ug/L		11/05/21 09:42	11/17/21 21:27	1
PCB-1254	ND		0.48	0.091	ug/L		11/05/21 09:42	11/17/21 21:27	1
PCB-1260	ND		0.48	0.11	ug/L		11/05/21 09:42	11/17/21 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*29 - 128*	*11/05/21 09:42*	*11/17/21 21:27*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.010	0.0058	mg/L		11/14/21 11:09	11/15/21 14:40	1
Arsenic	ND		0.10	0.022	mg/L		11/14/21 11:09	11/15/21 14:40	1
Barium	ND		0.010	0.0016	mg/L		11/14/21 11:09	11/15/21 14:40	1
Beryllium	ND		0.010	0.0026	mg/L		11/14/21 11:09	11/15/21 14:40	1
Cadmium	ND		0.010	0.0012	mg/L		11/14/21 11:09	11/15/21 14:40	1
Cobalt	ND		0.050	0.0023	mg/L		11/14/21 11:09	11/15/21 14:40	1
Chromium	ND		0.050	0.0086	mg/L		11/14/21 11:09	11/15/21 14:40	1
Copper	ND		0.050	0.0085	mg/L		11/14/21 11:09	11/15/21 14:40	1
Molybdenum	**0.041**	**J**	0.050	0.024	mg/L		11/14/21 11:09	11/15/21 14:40	1
Nickel	ND		0.050	0.0045	mg/L		11/14/21 11:09	11/15/21 14:40	1
Antimony	ND		0.10	0.021	mg/L		11/14/21 11:09	11/15/21 14:40	1
Selenium	ND		0.10	0.034	mg/L		11/14/21 11:09	11/15/21 14:40	1
Thallium	ND		0.050	0.019	mg/L		11/14/21 11:09	11/15/21 14:40	1
Vanadium	**0.0070**	**J**	0.010	0.0017	mg/L		11/14/21 11:09	11/15/21 14:40	1
Zinc	ND		0.25	0.014	mg/L		11/14/21 11:09	11/15/21 14:40	1
Lead	**0.0080**	**J**	0.050	0.0080	mg/L		11/14/21 11:09	11/15/21 14:40	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00050	0.00014	mg/L		11/15/21 05:30	11/15/21 16:47	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: TB11012021
Date Collected: 11/01/21 08:00
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-22
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.8	ug/L			11/10/21 13:06	1
Benzene	ND		0.50	0.080	ug/L			11/10/21 13:06	1
Bromobenzene	ND		1.0	0.091	ug/L			11/10/21 13:06	1
Bromochloromethane	ND		1.0	0.18	ug/L			11/10/21 13:06	1
Bromodichloromethane	ND		0.50	0.14	ug/L			11/10/21 13:06	1
Bromoform	ND		1.0	0.19	ug/L			11/10/21 13:06	1
Bromomethane	ND		1.0	0.21	ug/L			11/10/21 13:06	1
2-Butanone (MEK)	**0.39**	**J**	2.0	0.33	ug/L			11/10/21 13:06	1
n-Butylbenzene	ND		1.0	0.18	ug/L			11/10/21 13:06	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			11/10/21 13:06	1
tert-Butylbenzene	ND		1.0	0.13	ug/L			11/10/21 13:06	1
Carbon disulfide	ND		2.0	0.36	ug/L			11/10/21 13:06	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			11/10/21 13:06	1
Chlorobenzene	ND		0.50	0.070	ug/L			11/10/21 13:06	1
Chloroethane	ND		1.0	0.24	ug/L			11/10/21 13:06	1
Chloroform	ND		1.0	0.12	ug/L			11/10/21 13:06	1
Chloromethane	ND		1.0	0.26	ug/L			11/10/21 13:06	1
2-Chlorotoluene	ND		0.50	0.11	ug/L			11/10/21 13:06	1
4-Chlorotoluene	ND		0.50	0.10	ug/L			11/10/21 13:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.20	ug/L			11/10/21 13:06	1
1,2-Dibromoethane (EDB)	ND		0.50	0.12	ug/L			11/10/21 13:06	1
Dibromochloromethane	ND		0.50	0.16	ug/L			11/10/21 13:06	1
Dibromomethane	ND		0.50	0.17	ug/L			11/10/21 13:06	1
1,2-Dichlorobenzene	ND		0.50	0.097	ug/L			11/10/21 13:06	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			11/10/21 13:06	1
1,4-Dichlorobenzene	ND		0.50	0.083	ug/L			11/10/21 13:06	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			11/10/21 13:06	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			11/10/21 13:06	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			11/10/21 13:06	1
cis-1,2-Dichloroethene	ND		0.50	0.18	ug/L			11/10/21 13:06	1
trans-1,2-Dichloroethene	ND		0.50	0.11	ug/L			11/10/21 13:06	1
1,1-Dichloroethene	ND		0.50	0.13	ug/L			11/10/21 13:06	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			11/10/21 13:06	1
1,3-Dichloropropane	ND		1.0	0.10	ug/L			11/10/21 13:06	1
2,2-Dichloropropane	ND		1.0	0.46	ug/L			11/10/21 13:06	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			11/10/21 13:06	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			11/10/21 13:06	1
1,1-Dichloropropene	ND		0.50	0.12	ug/L			11/10/21 13:06	1
Ethylbenzene	ND		0.50	0.084	ug/L			11/10/21 13:06	1
Hexachlorobutadiene	ND		1.0	0.23	ug/L			11/10/21 13:06	1
2-Hexanone	ND		2.0	0.17	ug/L			11/10/21 13:06	1
Isopropylbenzene	ND		0.50	0.11	ug/L			11/10/21 13:06	1
p-Isopropyltoluene	ND		1.0	0.15	ug/L			11/10/21 13:06	1
4-Methyl-2-pentanone (MIBK)	ND		2.0	0.11	ug/L			11/10/21 13:06	1
Methyl tert-butyl ether	ND		0.50	0.12	ug/L			11/10/21 13:06	1
Methylene Chloride	ND		1.0	0.16	ug/L			11/10/21 13:06	1
Naphthalene	ND		1.0	0.48	ug/L			11/10/21 13:06	1
N-Propylbenzene	ND		1.0	0.11	ug/L			11/10/21 13:06	1
Styrene	ND		0.50	0.13	ug/L			11/10/21 13:06	1

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: TB11012021
Date Collected: 11/01/21 08:00
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-22
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.10	ug/L			11/10/21 13:06	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			11/10/21 13:06	1
Tetrachloroethene	ND		0.50	0.10	ug/L			11/10/21 13:06	1
Toluene	ND		0.50	0.095	ug/L			11/10/21 13:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.40	ug/L			11/10/21 13:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			11/10/21 13:06	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			11/10/21 13:06	1
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			11/10/21 13:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			11/10/21 13:06	1
Trichloroethene	ND		0.50	0.10	ug/L			11/10/21 13:06	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			11/10/21 13:06	1
1,2,3-Trichloropropane	ND		1.0	0.13	ug/L			11/10/21 13:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.32	ug/L			11/10/21 13:06	1
1,3,5-Trimethylbenzene	ND		0.50	0.16	ug/L			11/10/21 13:06	1
Vinyl acetate	ND		2.0	0.19	ug/L			11/10/21 13:06	1
Vinyl chloride	ND		0.50	0.18	ug/L			11/10/21 13:06	1
m-Xylene & p-Xylene	ND		0.50	0.27	ug/L			11/10/21 13:06	1
o-Xylene	ND		0.50	0.14	ug/L			11/10/21 13:06	1
Xylenes, Total	ND		0.50	0.27	ug/L			11/10/21 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*74 - 120*		*11/10/21 13:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*72 - 123*		*11/10/21 13:06*	*1*
Toluene-d8 (Surr)	*103*		*78 - 120*		*11/10/21 13:06*	*1*
Dibromofluoromethane (Surr)	*114*		*80 - 123*		*11/10/21 13:06*	*1*

Surrogate Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (32-156)	BFB (63-143)	DBFM (55-129)	TOL (63-138)
320-81134-8	AOC4-S1-5	98	105	97	99
320-81134-9	AOC4-S1-10	93	104	96	97
320-81134-10	AOC4-S1-15	101 *3	107 *3	100 *3	116 *3
320-81134-11	AOC4-S1-5 DUP	94	105	96	96
320-81134-12	AOC9-SG3-5	104	105	103	116
320-81134-13	AOC9-SG3-10	105	105	108	129
320-81134-14	AOC9-SG4-5	98	104	102	115
320-81134-15	AOC9-SG4-10	102	109	106	116
320-81134-18	AOC9-S2-5	101	107	104	115
320-81134-19	AOC9-S2-10	103	104	103	114
LCS 320-540740/7	Lab Control Sample	104	108	106	112
LCS 320-541763/7	Lab Control Sample	94	105	96	99
LCS 320-542091/7	Lab Control Sample	105	112	106	121
LCS 320-542727/7	Lab Control Sample	109	112	109	119
LCS 320-543468/7	Lab Control Sample	94	104	95	97
LCSD 320-540740/8	Lab Control Sample Dup	100	113	104	116
LCSD 320-541763/8	Lab Control Sample Dup	94	107	97	100
LCSD 320-542091/8	Lab Control Sample Dup	104	111	105	121
LCSD 320-542727/8	Lab Control Sample Dup	102	111	103	117
LCSD 320-543468/8	Lab Control Sample Dup	96	105	97	99
MB 320-540740/10	Method Blank	103	109	106	112
MB 320-541763/10	Method Blank	94	104	93	97
MB 320-542091/10	Method Blank	105	109	106	115
MB 320-542727/11	Method Blank	104	110	105	117
MB 320-543468/10	Method Blank	96	103	96	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	BFB (74-120)	DCA (72-123)	TOL (78-120)	DBFM (80-123)
320-81134-22	TB11012021	106	107	103	114
LCS 320-541535/4	Lab Control Sample	111	104	106	118
LCSD 320-541535/5	Lab Control Sample Dup	110	101	103	112
MB 320-541535/8	Method Blank	106	105	104	112

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Surrogate Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB (70-131)
320-81134-8	AOC4-S1-5	98
320-81134-9	AOC4-S1-10	108
320-81134-10	AOC4-S1-15	107
320-81134-11	AOC4-S1-5 DUP	107
320-81134-12	AOC9-SG3-5	105
320-81134-13	AOC9-SG3-10	105
320-81134-14	AOC9-SG4-5	104
320-81134-15	AOC9-SG4-10	109
320-81134-18	AOC9-S2-5	107
320-81134-19	AOC9-S2-10	104
LCS 320-540739/5	Lab Control Sample	110
LCS 320-542094/4	Lab Control Sample	108
LCS 320-542726/4	Lab Control Sample	108
LCS 320-543469/4	Lab Control Sample	98
LCSD 320-540739/6	Lab Control Sample Dup	112
LCSD 320-542094/5	Lab Control Sample Dup	111
LCSD 320-542726/5	Lab Control Sample Dup	111
LCSD 320-543469/5	Lab Control Sample Dup	98
MB 320-540739/10	Method Blank	109
MB 320-542094/10	Method Blank	109
MB 320-542726/11	Method Blank	110
MB 320-543469/10	Method Blank	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTPH1 (51-111)
320-81134-8	AOC4-S1-5	59
320-81134-9	AOC4-S1-10	63
320-81134-10	AOC4-S1-15	59
320-81134-11	AOC4-S1-5 DUP	62
320-81134-12	AOC9-SG3-5	63
320-81134-13	AOC9-SG3-10	62
320-81134-14	AOC9-SG4-5	62
320-81134-15	AOC9-SG4-10	63
320-81134-18	AOC9-S2-5	59
320-81134-19	AOC9-S2-10	72
320-81134-20	AOC6-S9B-4	45 S1-
LCS 320-540584/2-A	Lab Control Sample	70
MB 320-540584/1-A	Method Blank	64

Surrogate Legend

OTPH = o-Terphenyl (Surr)

Surrogate Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTPH1 (56-145)
320-81134-21	EB11012021	69
LCS 320-540321/2-A	Lab Control Sample	78
LCSD 320-540321/3-A	Lab Control Sample Dup	78
MB 320-540321/1-A	Method Blank	72

Surrogate Legend

OTPH = o-Terphenyl (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (46-109)	DCBP2 (46-109)	TCX1 (47-107)	TCX2 (47-107)
320-81134-1	AOC1-S9A-0.5	251 S1+	28 p S1-	71	51
320-81134-1 MS	AOC1-S9A-0.5		10 p S1-		46 S1-
320-81134-1 MSD	AOC1-S9A-0.5		30 p S1-		36 p S1-
320-81134-2	AOC1-S9A-0.5 DUP	0 S1-	0 S1-	94	49
320-81134-3	AOC1-S9A-2	63	57	66	58
320-81134-4	AOC1-S1-0.5	46	48	51	47
320-81134-5	AOC1-S1-0.5 DUP	49	53	50	44 S1-
320-81134-6	AOC1-S1-2	68	70	67	60
320-81134-7	AOC1-S1-2 DUP	39 S1-	38 S1-	67	69
320-81134-16	AOC1-S2-0.5	103	52	65	52
320-81134-17	AOC1-S2-2	75	75	69	61
LCS 320-541359/2-A	Lab Control Sample	52		77	
LCS 320-542445/2-A	Lab Control Sample		82		74
LCS 320-542445/3-A	Lab Control Sample		81		68
MB 320-541359/1-A	Method Blank	64	90	76	72
MB 320-542445/1-A	Method Blank	81	76	78	71

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP1 (52-138)	TCX1 (56-114)
320-81134-1	AOC1-S9A-0.5	80	85
320-81134-2	AOC1-S9A-0.5 DUP	77	76
320-81134-2 MS	AOC1-S9A-0.5 DUP	103	82
320-81134-2 MSD	AOC1-S9A-0.5 DUP	88	66
320-81134-4	AOC1-S1-0.5	46 S1-	49 S1-
320-81134-5	AOC1-S1-0.5 DUP	52	61
320-81134-16	AOC1-S2-0.5	66	71
LCS 320-542456/2-A	Lab Control Sample	106	91
MB 320-542456/1-A	Method Blank	85	71

Surrogate Legend

Surrogate Summary

Client: Ninyo & Moore
Job ID: 320-81134-1
Project/Site: Cole School PEA

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2	TCX2
Lab Sample ID	Client Sample ID	(52-138)	(56-114)
320-81134-20	AOC6-S9B-4	37 S1-	36 S1-
LCS 320-541564/2-A	Lab Control Sample	79	80
MB 320-541564/1-A	Method Blank	66	65

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		DCBP1
Lab Sample ID	Client Sample ID	(29-128)
320-81134-21	EB11012021	70
LCS 320-540241/2-A	Lab Control Sample	70
LCSD 320-540241/3-A	Lab Control Sample Dup	72
MB 320-540241/1-A	Method Blank	62

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 320-540740/10
Matrix: Solid
Analysis Batch: 540740

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10	0.88	ug/Kg			11/07/21 13:00	1
Ethylene Dibromide	ND		10	0.27	ug/Kg			11/07/21 13:00	1
1,2-Dichlorobenzene	ND		5.0	0.64	ug/Kg			11/07/21 13:00	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/Kg			11/07/21 13:00	1
2-Butanone (MEK)	ND		10	1.4	ug/Kg			11/07/21 13:00	1
1,4-Dichlorobenzene	ND		5.0	0.78	ug/Kg			11/07/21 13:00	1
2-Chlorotoluene	ND		5.0	0.62	ug/Kg			11/07/21 13:00	1
1,1-Dichloroethane	ND		5.0	0.29	ug/Kg			11/07/21 13:00	1
4-Chlorotoluene	ND		5.0	0.86	ug/Kg			11/07/21 13:00	1
1,2-Dichloroethane	ND		5.0	0.73	ug/Kg			11/07/21 13:00	1
Acetone	ND		20	1.4	ug/Kg			11/07/21 13:00	1
Benzene	ND		5.0	0.26	ug/Kg			11/07/21 13:00	1
1,1-Dichloroethene	ND		5.0	0.26	ug/Kg			11/07/21 13:00	1
Bromobenzene	ND		5.0	0.52	ug/Kg			11/07/21 13:00	1
1,2-Dichloropropane	ND		5.0	0.60	ug/Kg			11/07/21 13:00	1
Chlorobromomethane	ND		5.0	0.94	ug/Kg			11/07/21 13:00	1
1,3-Dichloropropane	ND		5.0	0.57	ug/Kg			11/07/21 13:00	1
Dichlorobromomethane	ND		5.0	0.53	ug/Kg			11/07/21 13:00	1
2,2-Dichloropropane	ND		5.0	0.38	ug/Kg			11/07/21 13:00	1
Bromoform	ND		5.0	0.40	ug/Kg			11/07/21 13:00	1
Bromomethane	ND		5.0	0.86	ug/Kg			11/07/21 13:00	1
cis-1,2-Dichloroethene	ND		5.0	0.89	ug/Kg			11/07/21 13:00	1
1,1-Dichloropropene	ND		5.0	0.37	ug/Kg			11/07/21 13:00	1
cis-1,3-Dichloropropene	ND		5.0	0.64	ug/Kg			11/07/21 13:00	1
Carbon disulfide	ND		10	0.49	ug/Kg			11/07/21 13:00	1
Carbon tetrachloride	ND		5.0	0.53	ug/Kg			11/07/21 13:00	1
2-Hexanone	ND		10	0.74	ug/Kg			11/07/21 13:00	1
Chlorobenzene	ND		5.0	0.29	ug/Kg			11/07/21 13:00	1
Chloroethane	ND		5.0	0.45	ug/Kg			11/07/21 13:00	1
Chloroform	ND		5.0	0.26	ug/Kg			11/07/21 13:00	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.92	ug/Kg			11/07/21 13:00	1
Chloromethane	ND		5.0	0.50	ug/Kg			11/07/21 13:00	1
Chlorodibromomethane	ND		5.0	0.21	ug/Kg			11/07/21 13:00	1
Dibromomethane	ND		5.0	0.58	ug/Kg			11/07/21 13:00	1
Dichlorodifluoromethane	ND		5.0	0.89	ug/Kg			11/07/21 13:00	1
Ethylbenzene	ND		5.0	0.34	ug/Kg			11/07/21 13:00	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.41	ug/Kg			11/07/21 13:00	1
Hexachlorobutadiene	ND		5.0	0.33	ug/Kg			11/07/21 13:00	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.68	ug/Kg			11/07/21 13:00	1
Isopropylbenzene	ND		5.0	0.52	ug/Kg			11/07/21 13:00	1
Methylene Chloride	ND		10	0.84	ug/Kg			11/07/21 13:00	1
Methyl tert-butyl ether	ND		10	0.60	ug/Kg			11/07/21 13:00	1
1,2,3-Trichlorobenzene	ND		5.0	0.75	ug/Kg			11/07/21 13:00	1
Naphthalene	3.01	J	5.0	0.63	ug/Kg			11/07/21 13:00	1
1,2,4-Trichlorobenzene	ND		5.0	0.75	ug/Kg			11/07/21 13:00	1
n-Butylbenzene	ND		5.0	0.66	ug/Kg			11/07/21 13:00	1
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			11/07/21 13:00	1
N-Propylbenzene	ND		5.0	0.29	ug/Kg			11/07/21 13:00	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-540740/10
Matrix: Solid
Analysis Batch: 540740

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.44	ug/Kg			11/07/21 13:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	0.83	ug/Kg			11/07/21 13:00	1
4-Isopropyltoluene	ND		5.0	0.63	ug/Kg			11/07/21 13:00	1
sec-Butylbenzene	ND		5.0	0.75	ug/Kg			11/07/21 13:00	1
1,2,3-Trichloropropane	ND		5.0	0.76	ug/Kg			11/07/21 13:00	1
Styrene	ND		5.0	0.31	ug/Kg			11/07/21 13:00	1
1,2,4-Trimethylbenzene	ND		5.0	0.51	ug/Kg			11/07/21 13:00	1
trans-1,2-Dichloroethene	ND		5.0	0.38	ug/Kg			11/07/21 13:00	1
1,3,5-Trimethylbenzene	ND		5.0	0.35	ug/Kg			11/07/21 13:00	1
trans-1,3-Dichloropropene	ND		5.0	0.75	ug/Kg			11/07/21 13:00	1
tert-Butylbenzene	ND		5.0	0.54	ug/Kg			11/07/21 13:00	1
Tetrachloroethene	ND		5.0	0.61	ug/Kg			11/07/21 13:00	1
m-Xylene & p-Xylene	ND		5.0	0.81	ug/Kg			11/07/21 13:00	1
Toluene	ND		5.0	0.61	ug/Kg			11/07/21 13:00	1
o-Xylene	ND		5.0	0.33	ug/Kg			11/07/21 13:00	1
Xylenes, Total	ND		5.0	0.81	ug/Kg			11/07/21 13:00	1
Trichloroethene	ND		5.0	0.60	ug/Kg			11/07/21 13:00	1
Trichlorofluoromethane	ND		5.0	0.34	ug/Kg			11/07/21 13:00	1
Vinyl acetate	ND		10	0.69	ug/Kg			11/07/21 13:00	1
Vinyl chloride	ND		5.0	0.36	ug/Kg			11/07/21 13:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*63 - 143*		*11/07/21 13:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*32 - 156*		*11/07/21 13:00*	*1*
Toluene-d8 (Surr)	*112*		*63 - 138*		*11/07/21 13:00*	*1*
Dibromofluoromethane (Surr)	*106*		*55 - 129*		*11/07/21 13:00*	*1*

Lab Sample ID: LCS 320-540740/7
Matrix: Solid
Analysis Batch: 540740

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	50.0	51.8		ug/Kg		104	75 - 137
Ethylene Dibromide	50.0	50.6		ug/Kg		101	80 - 124
1,2-Dichlorobenzene	50.0	49.4		ug/Kg		99	68 - 121
1,3-Dichlorobenzene	50.0	48.5		ug/Kg		97	64 - 126
2-Butanone (MEK)	125	101		ug/Kg		81	71 - 142
1,4-Dichlorobenzene	50.0	47.4		ug/Kg		95	65 - 124
2-Chlorotoluene	50.0	48.8		ug/Kg		98	64 - 127
1,1-Dichloroethane	50.0	46.4		ug/Kg		93	76 - 134
4-Chlorotoluene	50.0	48.7		ug/Kg		97	67 - 128
1,2-Dichloroethane	50.0	49.6		ug/Kg		99	66 - 150
Acetone	125	102		ug/Kg		82	64 - 128
Benzene	50.0	47.0		ug/Kg		94	78 - 128
1,1-Dichloroethene	50.0	42.6		ug/Kg		85	66 - 136
Bromobenzene	50.0	49.1		ug/Kg		98	67 - 132
1,2-Dichloropropane	50.0	48.5		ug/Kg		97	80 - 129
Chlorobromomethane	50.0	47.0		ug/Kg		94	80 - 127

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-540740/7
Matrix: Solid
Analysis Batch: 540740

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichloropropane	50.0	50.8		ug/Kg		102	80 - 123
Dichlorobromomethane	50.0	48.2		ug/Kg		96	80 - 137
2,2-Dichloropropane	50.0	48.4		ug/Kg		97	69 - 153
Bromoform	50.0	49.3		ug/Kg		99	80 - 136
Bromomethane	50.0	51.1		ug/Kg		102	48 - 164
cis-1,2-Dichloroethene	50.0	46.5		ug/Kg		93	74 - 131
1,1-Dichloropropene	50.0	47.2		ug/Kg		94	76 - 132
cis-1,3-Dichloropropene	50.0	50.3		ug/Kg		101	80 - 134
Carbon disulfide	50.0	41.5		ug/Kg		83	52 - 145
Carbon tetrachloride	50.0	45.3		ug/Kg		91	62 - 154
2-Hexanone	125	104		ug/Kg		83	78 - 143
Chlorobenzene	50.0	47.9		ug/Kg		96	74 - 125
Chloroethane	50.0	46.4		ug/Kg		93	54 - 148
Chloroform	50.0	47.2		ug/Kg		94	78 - 135
4-Methyl-2-pentanone (MIBK)	125	105		ug/Kg		84	79 - 150
Chloromethane	50.0	50.0		ug/Kg		100	60 - 141
Chlorodibromomethane	50.0	48.2		ug/Kg		96	80 - 133
Dibromomethane	50.0	49.1		ug/Kg		98	80 - 129
Dichlorodifluoromethane	50.0	59.9		ug/Kg		120	60 - 130
Ethylbenzene	50.0	47.9		ug/Kg		96	72 - 125
1,1,1,2-Tetrachloroethane	50.0	50.4		ug/Kg		101	77 - 134
Hexachlorobutadiene	50.0	48.2		ug/Kg		96	52 - 140
1,1,2,2-Tetrachloroethane	50.0	53.7		ug/Kg		107	71 - 134
Isopropylbenzene	50.0	47.9		ug/Kg		96	69 - 137
Methylene Chloride	50.0	46.5		ug/Kg		93	77 - 125
Methyl tert-butyl ether	50.0	65.3		ug/Kg		131	66 - 146
1,2,3-Trichlorobenzene	50.0	56.2		ug/Kg		112	54 - 140
Naphthalene	50.0	59.5		ug/Kg		119	53 - 140
1,2,4-Trichlorobenzene	50.0	53.1		ug/Kg		106	48 - 145
n-Butylbenzene	50.0	48.6		ug/Kg		97	68 - 136
1,1,1-Trichloroethane	50.0	45.9		ug/Kg		92	67 - 150
N-Propylbenzene	50.0	48.5		ug/Kg		97	63 - 128
1,1,2-Trichloroethane	50.0	48.9		ug/Kg		98	80 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	42.3		ug/Kg		85	62 - 138
4-Isopropyltoluene	50.0	48.5		ug/Kg		97	64 - 137
sec-Butylbenzene	50.0	48.2		ug/Kg		96	68 - 131
1,2,3-Trichloropropane	50.0	50.9		ug/Kg		102	71 - 132
Styrene	50.0	48.6		ug/Kg		97	79 - 128
1,2,4-Trimethylbenzene	50.0	49.8		ug/Kg		100	64 - 137
trans-1,2-Dichloroethene	50.0	44.0		ug/Kg		88	67 - 135
1,3,5-Trimethylbenzene	50.0	49.6		ug/Kg		99	66 - 135
trans-1,3-Dichloropropene	50.0	51.1		ug/Kg		102	80 - 148
tert-Butylbenzene	50.0	49.0		ug/Kg		98	67 - 131
Tetrachloroethene	50.0	45.5		ug/Kg		91	65 - 135
m-Xylene & p-Xylene	50.0	47.8		ug/Kg		96	73 - 128
Toluene	50.0	47.6		ug/Kg		95	80 - 124
o-Xylene	50.0	48.3		ug/Kg		97	76 - 127
Xylenes, Total	100	96.1		ug/Kg		96	75 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-540740/7
Matrix: Solid
Analysis Batch: 540740

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Trichloroethene			50.0	46.6		ug/Kg		93	80 - 126		
Trichlorofluoromethane			50.0	48.3		ug/Kg		97	43 - 158		
Vinyl acetate			50.0	53.2		ug/Kg		106	39 - 160		
Vinyl chloride			50.0	54.2		ug/Kg		108	67 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*63 - 143*
1,2-Dichloroethane-d4 (Surr)	*104*		*32 - 156*
Toluene-d8 (Surr)	*112*		*63 - 138*
Dibromofluoromethane (Surr)	*106*		*55 - 129*

Lab Sample ID: LCSD 320-540740/8
Matrix: Solid
Analysis Batch: 540740

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			50.0	50.6		ug/Kg		101	75 - 137	2	48
Ethylene Dibromide			50.0	50.5		ug/Kg		101	80 - 124	0	39
1,2-Dichlorobenzene			50.0	48.3		ug/Kg		97	68 - 121	2	28
1,3-Dichlorobenzene			50.0	48.9		ug/Kg		98	64 - 126	1	41
2-Butanone (MEK)			125	104		ug/Kg		83	71 - 142	3	44
1,4-Dichlorobenzene			50.0	48.4		ug/Kg		97	65 - 124	2	38
2-Chlorotoluene			50.0	49.7		ug/Kg		99	64 - 127	2	41
1,1-Dichloroethane			50.0	44.6		ug/Kg		89	76 - 134	4	24
4-Chlorotoluene			50.0	49.6		ug/Kg		99	67 - 128	2	40
1,2-Dichloroethane			50.0	48.0		ug/Kg		96	66 - 150	3	36
Acetone			125	103		ug/Kg		83	64 - 128	1	36
Benzene			50.0	45.4		ug/Kg		91	78 - 128	3	37
1,1-Dichloroethene			50.0	40.9		ug/Kg		82	66 - 136	4	42
Bromobenzene			50.0	49.9		ug/Kg		100	67 - 132	1	40
1,2-Dichloropropane			50.0	47.2		ug/Kg		94	80 - 129	3	38
Chlorobromomethane			50.0	45.2		ug/Kg		90	80 - 127	4	36
1,3-Dichloropropane			50.0	51.8		ug/Kg		104	80 - 123	2	39
Dichlorobromomethane			50.0	48.0		ug/Kg		96	80 - 137	0	37
2,2-Dichloropropane			50.0	45.2		ug/Kg		90	69 - 153	7	47
Bromoform			50.0	49.5		ug/Kg		99	80 - 136	0	45
Bromomethane			50.0	49.7		ug/Kg		99	48 - 164	3	38
cis-1,2-Dichloroethene			50.0	44.8		ug/Kg		90	74 - 131	4	37
1,1-Dichloropropene			50.0	45.5		ug/Kg		91	76 - 132	4	38
cis-1,3-Dichloropropene			50.0	50.3		ug/Kg		101	80 - 134	0	39
Carbon disulfide			50.0	39.5		ug/Kg		79	52 - 145	5	46
Carbon tetrachloride			50.0	44.8		ug/Kg		90	62 - 154	1	43
2-Hexanone			125	117		ug/Kg		94	78 - 143	12	73
Chlorobenzene			50.0	47.9		ug/Kg		96	74 - 125	0	38
Chloroethane			50.0	43.3		ug/Kg		87	54 - 148	7	34
Chloroform			50.0	45.4		ug/Kg		91	78 - 135	4	23
4-Methyl-2-pentanone (MIBK)			125	111		ug/Kg		89	79 - 150	6	48
Chloromethane			50.0	48.3		ug/Kg		97	60 - 141	3	36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 320-540740/8
Matrix: Solid
Analysis Batch: 540740

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorodibromomethane			50.0	48.7		ug/Kg		97	80 - 133	1	24
Dibromomethane			50.0	47.1		ug/Kg		94	80 - 129	4	37
Dichlorodifluoromethane			50.0	58.0		ug/Kg		116	60 - 130	3	46
Ethylbenzene			50.0	47.8		ug/Kg		96	72 - 125	0	41
1,1,1,2-Tetrachloroethane			50.0	49.1		ug/Kg		98	77 - 134	3	25
Hexachlorobutadiene			50.0	46.9		ug/Kg		94	52 - 140	3	38
1,1,2,2-Tetrachloroethane			50.0	51.3		ug/Kg		103	71 - 134	5	31
Isopropylbenzene			50.0	47.7		ug/Kg		95	69 - 137	1	41
Methylene Chloride			50.0	43.8		ug/Kg		88	77 - 125	6	25
Methyl tert-butyl ether			50.0	59.9		ug/Kg		120	66 - 146	9	45
1,2,3-Trichlorobenzene			50.0	51.5		ug/Kg		103	54 - 140	9	42
Naphthalene			50.0	56.5		ug/Kg		113	53 - 140	5	46
1,2,4-Trichlorobenzene			50.0	50.4		ug/Kg		101	48 - 145	5	39
n-Butylbenzene			50.0	47.8		ug/Kg		96	68 - 136	2	37
1,1,1-Trichloroethane			50.0	43.7		ug/Kg		87	67 - 150	5	43
N-Propylbenzene			50.0	48.7		ug/Kg		97	63 - 128	0	42
1,1,2-Trichloroethane			50.0	49.7		ug/Kg		99	80 - 128	2	41
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	41.6		ug/Kg		83	62 - 138	2	22
4-Isopropyltoluene			50.0	48.2		ug/Kg		96	64 - 137	1	40
sec-Butylbenzene			50.0	48.6		ug/Kg		97	68 - 131	1	40
1,2,3-Trichloropropane			50.0	51.8		ug/Kg		104	71 - 132	2	41
Styrene			50.0	49.2		ug/Kg		98	79 - 128	1	40
1,2,4-Trimethylbenzene			50.0	49.6		ug/Kg		99	64 - 137	0	41
trans-1,2-Dichloroethene			50.0	42.1		ug/Kg		84	67 - 135	4	37
1,3,5-Trimethylbenzene			50.0	49.7		ug/Kg		99	66 - 135	0	42
trans-1,3-Dichloropropene			50.0	51.9		ug/Kg		104	80 - 148	2	42
tert-Butylbenzene			50.0	49.3		ug/Kg		99	67 - 131	1	42
Tetrachloroethene			50.0	45.7		ug/Kg		91	65 - 135	0	39
m-Xylene & p-Xylene			50.0	47.9		ug/Kg		96	73 - 128	0	40
Toluene			50.0	47.5		ug/Kg		95	80 - 124	0	39
o-Xylene			50.0	47.4		ug/Kg		95	76 - 127	2	40
Xylenes, Total			100	95.3		ug/Kg		95	75 - 122	1	15
Trichloroethene			50.0	44.9		ug/Kg		90	80 - 126	4	40
Trichlorofluoromethane			50.0	46.0		ug/Kg		92	43 - 158	5	32
Vinyl acetate			50.0	50.3		ug/Kg		101	39 - 160	6	50
Vinyl chloride			50.0	52.1		ug/Kg		104	67 - 127	4	37

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*63 - 143*
1,2-Dichloroethane-d4 (Surr)	*100*		*32 - 156*
Toluene-d8 (Surr)	*116*		*63 - 138*
Dibromofluoromethane (Surr)	*104*		*55 - 129*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-541535/8
Matrix: Water
Analysis Batch: 541535

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		1.0	0.20	ug/L			11/10/21 12:21	1
1,2-Dibromoethane (EDB)	ND		0.50	0.12	ug/L			11/10/21 12:21	1
1,2-Dichlorobenzene	ND		0.50	0.097	ug/L			11/10/21 12:21	1
1,3-Dichlorobenzene	ND		0.50	0.086	ug/L			11/10/21 12:21	1
2-Butanone (MEK)	ND		2.0	0.33	ug/L			11/10/21 12:21	1
1,4-Dichlorobenzene	ND		0.50	0.083	ug/L			11/10/21 12:21	1
2-Chlorotoluene	ND		0.50	0.11	ug/L			11/10/21 12:21	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			11/10/21 12:21	1
4-Chlorotoluene	ND		0.50	0.10	ug/L			11/10/21 12:21	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			11/10/21 12:21	1
Acetone	ND		10	3.8	ug/L			11/10/21 12:21	1
Benzene	ND		0.50	0.080	ug/L			11/10/21 12:21	1
1,1-Dichloroethene	ND		0.50	0.13	ug/L			11/10/21 12:21	1
Bromobenzene	ND		1.0	0.091	ug/L			11/10/21 12:21	1
1,2-Dichloropropane	ND		0.50	0.15	ug/L			11/10/21 12:21	1
Bromochloromethane	ND		1.0	0.18	ug/L			11/10/21 12:21	1
1,3-Dichloropropane	ND		1.0	0.10	ug/L			11/10/21 12:21	1
Bromodichloromethane	ND		0.50	0.14	ug/L			11/10/21 12:21	1
2,2-Dichloropropane	ND		1.0	0.46	ug/L			11/10/21 12:21	1
Bromoform	ND		1.0	0.19	ug/L			11/10/21 12:21	1
Bromomethane	ND		1.0	0.21	ug/L			11/10/21 12:21	1
cis-1,2-Dichloroethene	ND		0.50	0.18	ug/L			11/10/21 12:21	1
1,1-Dichloropropene	ND		0.50	0.12	ug/L			11/10/21 12:21	1
cis-1,3-Dichloropropene	ND		0.50	0.15	ug/L			11/10/21 12:21	1
Carbon disulfide	ND		2.0	0.36	ug/L			11/10/21 12:21	1
Carbon tetrachloride	ND		0.50	0.12	ug/L			11/10/21 12:21	1
2-Hexanone	ND		2.0	0.17	ug/L			11/10/21 12:21	1
Chlorobenzene	ND		0.50	0.070	ug/L			11/10/21 12:21	1
Chloroethane	ND		1.0	0.24	ug/L			11/10/21 12:21	1
Chloroform	ND		1.0	0.12	ug/L			11/10/21 12:21	1
4-Methyl-2-pentanone (MIBK)	ND		2.0	0.11	ug/L			11/10/21 12:21	1
Chloromethane	ND		1.0	0.26	ug/L			11/10/21 12:21	1
Dibromochloromethane	ND		0.50	0.16	ug/L			11/10/21 12:21	1
Dibromomethane	ND		0.50	0.17	ug/L			11/10/21 12:21	1
Dichlorodifluoromethane	ND		1.0	0.32	ug/L			11/10/21 12:21	1
Ethylbenzene	ND		0.50	0.084	ug/L			11/10/21 12:21	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.10	ug/L			11/10/21 12:21	1
Hexachlorobutadiene	ND		1.0	0.23	ug/L			11/10/21 12:21	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ug/L			11/10/21 12:21	1
Isopropylbenzene	ND		0.50	0.11	ug/L			11/10/21 12:21	1
Methylene Chloride	ND		1.0	0.16	ug/L			11/10/21 12:21	1
Methyl tert-butyl ether	ND		0.50	0.12	ug/L			11/10/21 12:21	1
1,2,3-Trichlorobenzene	ND		1.0	0.40	ug/L			11/10/21 12:21	1
Naphthalene	ND		1.0	0.48	ug/L			11/10/21 12:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L			11/10/21 12:21	1
n-Butylbenzene	ND		1.0	0.18	ug/L			11/10/21 12:21	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			11/10/21 12:21	1
N-Propylbenzene	ND		1.0	0.11	ug/L			11/10/21 12:21	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-541535/8
Matrix: Water
Analysis Batch: 541535

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		0.50	0.12	ug/L			11/10/21 12:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			11/10/21 12:21	1
p-Isopropyltoluene	ND		1.0	0.15	ug/L			11/10/21 12:21	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			11/10/21 12:21	1
1,2,3-Trichloropropane	ND		1.0	0.13	ug/L			11/10/21 12:21	1
Styrene	ND		0.50	0.13	ug/L			11/10/21 12:21	1
1,2,4-Trimethylbenzene	ND		1.0	0.32	ug/L			11/10/21 12:21	1
trans-1,2-Dichloroethene	ND		0.50	0.11	ug/L			11/10/21 12:21	1
1,3,5-Trimethylbenzene	ND		0.50	0.16	ug/L			11/10/21 12:21	1
trans-1,3-Dichloropropene	ND		0.50	0.16	ug/L			11/10/21 12:21	1
tert-Butylbenzene	ND		1.0	0.13	ug/L			11/10/21 12:21	1
Tetrachloroethene	ND		0.50	0.10	ug/L			11/10/21 12:21	1
m-Xylene & p-Xylene	ND		0.50	0.27	ug/L			11/10/21 12:21	1
Toluene	ND		0.50	0.095	ug/L			11/10/21 12:21	1
o-Xylene	ND		0.50	0.14	ug/L			11/10/21 12:21	1
Xylenes, Total	ND		0.50	0.27	ug/L			11/10/21 12:21	1
Trichloroethene	ND		0.50	0.10	ug/L			11/10/21 12:21	1
Trichlorofluoromethane	ND		1.0	0.13	ug/L			11/10/21 12:21	1
Vinyl acetate	ND		2.0	0.19	ug/L			11/10/21 12:21	1
Vinyl chloride	ND		0.50	0.18	ug/L			11/10/21 12:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*74 - 120*		*11/10/21 12:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 123*		*11/10/21 12:21*	*1*
Toluene-d8 (Surr)	*104*		*78 - 120*		*11/10/21 12:21*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 123*		*11/10/21 12:21*	*1*

Lab Sample ID: LCS 320-541535/4
Matrix: Water
Analysis Batch: 541535

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	20.0	19.3		ug/L		96	66 - 121
1,2-Dibromoethane (EDB)	20.0	19.8		ug/L		99	78 - 120
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	77 - 120
1,3-Dichlorobenzene	20.0	19.5		ug/L		98	78 - 120
2-Butanone (MEK)	50.0	46.3		ug/L		93	66 - 129
1,4-Dichlorobenzene	20.0	19.5		ug/L		97	74 - 120
2-Chlorotoluene	20.0	20.1		ug/L		100	79 - 120
1,1-Dichloroethane	20.0	20.5		ug/L		103	79 - 120
4-Chlorotoluene	20.0	20.1		ug/L		101	80 - 121
1,2-Dichloroethane	20.0	19.8		ug/L		99	77 - 128
Acetone	50.0	50.1		ug/L		100	55 - 145
Benzene	20.0	20.4		ug/L		102	79 - 120
1,1-Dichloroethene	20.0	21.4		ug/L		107	74 - 120
Bromobenzene	20.0	19.6		ug/L		98	80 - 120
1,2-Dichloropropane	20.0	20.8		ug/L		104	75 - 125
Bromochloromethane	20.0	19.4		ug/L		97	80 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-541535/4
Matrix: Water
Analysis Batch: 541535

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichloropropane	20.0	19.4		ug/L		97	79 - 120
Bromodichloromethane	20.0	19.9		ug/L		100	80 - 124
2,2-Dichloropropane	20.0	16.3		ug/L		82	75 - 127
Bromoform	20.0	19.0		ug/L		95	80 - 120
Bromomethane	20.0	19.1		ug/L		96	65 - 132
cis-1,2-Dichloroethene	20.0	20.4		ug/L		102	78 - 120
1,1-Dichloropropene	20.0	21.4		ug/L		107	77 - 120
cis-1,3-Dichloropropene	20.0	20.8		ug/L		104	80 - 131
Carbon disulfide	20.0	20.6		ug/L		103	65 - 121
Carbon tetrachloride	20.0	20.8		ug/L		104	78 - 124
2-Hexanone	50.0	50.2		ug/L		100	54 - 128
Chlorobenzene	20.0	20.0		ug/L		100	78 - 120
Chloroethane	20.0	20.2		ug/L		101	65 - 123
Chloroform	20.0	20.3		ug/L		102	80 - 120
4-Methyl-2-pentanone (MIBK)	50.0	47.5		ug/L		95	64 - 128
Chloromethane	20.0	18.1		ug/L		90	62 - 129
Dibromochloromethane	20.0	19.5		ug/L		98	80 - 122
Dibromomethane	20.0	19.9		ug/L		99	80 - 121
Dichlorodifluoromethane	20.0	16.1		ug/L		81	39 - 161
Ethylbenzene	20.0	20.5		ug/L		103	80 - 120
1,1,1,2-Tetrachloroethane	20.0	19.8		ug/L		99	79 - 120
Hexachlorobutadiene	20.0	20.5		ug/L		102	69 - 120
1,1,2,2-Tetrachloroethane	20.0	20.3		ug/L		101	74 - 137
Isopropylbenzene	20.0	21.2		ug/L		106	80 - 121
Methylene Chloride	20.0	20.4		ug/L		102	77 - 120
Methyl tert-butyl ether	20.0	20.6		ug/L		103	71 - 125
1,2,3-Trichlorobenzene	20.0	17.5		ug/L		88	47 - 162
Naphthalene	20.0	19.2		ug/L		96	56 - 143
1,2,4-Trichlorobenzene	20.0	18.1		ug/L		91	61 - 130
n-Butylbenzene	20.0	20.6		ug/L		103	72 - 120
1,1,1-Trichloroethane	20.0	20.7		ug/L		103	79 - 121
N-Propylbenzene	20.0	20.8		ug/L		104	76 - 120
1,1,2-Trichloroethane	20.0	21.2		ug/L		106	79 - 127
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.9		ug/L		99	64 - 125
p-Isopropyltoluene	20.0	20.6		ug/L		103	76 - 120
sec-Butylbenzene	20.0	20.5		ug/L		102	77 - 120
1,2,3-Trichloropropane	20.0	20.2		ug/L		101	73 - 120
Styrene	20.0	21.9		ug/L		110	80 - 120
1,2,4-Trimethylbenzene	20.0	20.2		ug/L		101	76 - 120
trans-1,2-Dichloroethene	20.0	21.4		ug/L		107	76 - 120
1,3,5-Trimethylbenzene	20.0	20.1		ug/L		101	79 - 120
trans-1,3-Dichloropropene	20.0	20.5		ug/L		103	75 - 133
tert-Butylbenzene	20.0	20.1		ug/L		100	78 - 120
Tetrachloroethene	20.0	20.0		ug/L		100	74 - 120
m-Xylene & p-Xylene	20.0	21.0		ug/L		105	80 - 121
Toluene	20.0	21.1		ug/L		105	79 - 126
o-Xylene	20.0	20.9		ug/L		104	80 - 124
Xylenes, Total	40.0	41.9		ug/L		105	80 - 123

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-541535/4
Matrix: Water
Analysis Batch: 541535

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Trichloroethene			20.0	20.5		ug/L		102	74 - 120		
Trichlorofluoromethane			20.0	20.3		ug/L		102	60 - 135		
Vinyl acetate			20.0	24.1		ug/L		121	64 - 136		
Vinyl chloride			20.0	18.8		ug/L		94	68 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*74 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*72 - 123*
Toluene-d8 (Surr)	*106*		*78 - 120*
Dibromofluoromethane (Surr)	*118*		*80 - 123*

Lab Sample ID: LCSD 320-541535/5
Matrix: Water
Analysis Batch: 541535

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			20.0	18.4		ug/L		92	66 - 121	5	33
1,2-Dibromoethane (EDB)			20.0	20.0		ug/L		100	78 - 120	1	15
1,2-Dichlorobenzene			20.0	19.0		ug/L		95	77 - 120	2	19
1,3-Dichlorobenzene			20.0	19.1		ug/L		95	78 - 120	2	17
2-Butanone (MEK)			50.0	46.9		ug/L		94	66 - 129	1	34
1,4-Dichlorobenzene			20.0	19.1		ug/L		95	74 - 120	2	15
2-Chlorotoluene			20.0	19.5		ug/L		98	79 - 120	3	19
1,1-Dichloroethane			20.0	19.4		ug/L		97	79 - 120	6	21
4-Chlorotoluene			20.0	20.1		ug/L		101	80 - 121	0	19
1,2-Dichloroethane			20.0	19.2		ug/L		96	77 - 128	3	25
Acetone			50.0	53.7		ug/L		107	55 - 145	7	49
Benzene			20.0	19.7		ug/L		98	79 - 120	4	21
1,1-Dichloroethene			20.0	20.1		ug/L		100	74 - 120	7	22
Bromobenzene			20.0	19.4		ug/L		97	80 - 120	1	17
1,2-Dichloropropane			20.0	20.5		ug/L		103	75 - 125	1	27
Bromochloromethane			20.0	19.1		ug/L		95	80 - 120	2	19
1,3-Dichloropropane			20.0	19.8		ug/L		99	79 - 120	2	15
Bromodichloromethane			20.0	19.4		ug/L		97	80 - 124	3	20
2,2-Dichloropropane			20.0	14.9		ug/L		75	75 - 127	9	25
Bromoform			20.0	18.4		ug/L		92	80 - 120	3	16
Bromomethane			20.0	15.8		ug/L		79	65 - 132	19	40
cis-1,2-Dichloroethene			20.0	19.6		ug/L		98	78 - 120	4	18
1,1-Dichloropropene			20.0	20.5		ug/L		102	77 - 120	4	20
cis-1,3-Dichloropropene			20.0	19.9		ug/L		100	80 - 131	4	24
Carbon disulfide			20.0	18.8		ug/L		94	65 - 121	9	26
Carbon tetrachloride			20.0	19.4		ug/L		97	78 - 124	7	25
2-Hexanone			50.0	50.8		ug/L		102	54 - 128	1	31
Chlorobenzene			20.0	19.9		ug/L		99	78 - 120	1	15
Chloroethane			20.0	15.9		ug/L		79	65 - 123	24	40
Chloroform			20.0	19.4		ug/L		97	80 - 120	4	22
4-Methyl-2-pentanone (MIBK)			50.0	47.2		ug/L		94	64 - 128	1	33
Chloromethane			20.0	17.4		ug/L		87	62 - 129	4	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 320-541535/5
Matrix: Water
Analysis Batch: 541535

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibromochloromethane			20.0	19.5		ug/L		97	80 - 122	0	17
Dibromomethane			20.0	19.5		ug/L		97	80 - 121	2	17
Dichlorodifluoromethane			20.0	15.2		ug/L		76	39 - 161	6	51
Ethylbenzene			20.0	20.3		ug/L		101	80 - 120	1	15
1,1,1,2-Tetrachloroethane			20.0	19.7		ug/L		99	79 - 120	1	23
Hexachlorobutadiene			20.0	19.4		ug/L		97	69 - 120	6	30
1,1,2,2-Tetrachloroethane			20.0	18.8		ug/L		94	74 - 137	7	27
Isopropylbenzene			20.0	20.5		ug/L		102	80 - 121	4	17
Methylene Chloride			20.0	19.6		ug/L		98	77 - 120	4	20
Methyl tert-butyl ether			20.0	19.8		ug/L		99	71 - 125	4	24
1,2,3-Trichlorobenzene			20.0	17.6		ug/L		88	47 - 162	1	45
Naphthalene			20.0	19.9		ug/L		99	56 - 143	3	48
1,2,4-Trichlorobenzene			20.0	18.0		ug/L		90	61 - 130	0	40
n-Butylbenzene			20.0	19.9		ug/L		100	72 - 120	3	25
1,1,1-Trichloroethane			20.0	19.3		ug/L		97	79 - 121	7	25
N-Propylbenzene			20.0	20.4		ug/L		102	76 - 120	2	26
1,1,2-Trichloroethane			20.0	20.7		ug/L		103	79 - 127	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	18.5		ug/L		93	64 - 125	7	40
p-Isopropyltoluene			20.0	19.6		ug/L		98	76 - 120	5	18
sec-Butylbenzene			20.0	19.5		ug/L		97	77 - 120	5	19
1,2,3-Trichloropropane			20.0	19.7		ug/L		99	73 - 120	2	22
Styrene			20.0	21.9		ug/L		110	80 - 120	0	15
1,2,4-Trimethylbenzene			20.0	19.6		ug/L		98	76 - 120	3	17
trans-1,2-Dichloroethene			20.0	20.2		ug/L		101	76 - 120	6	20
1,3,5-Trimethylbenzene			20.0	19.5		ug/L		97	79 - 120	3	20
trans-1,3-Dichloropropene			20.0	20.1		ug/L		101	75 - 133	2	29
tert-Butylbenzene			20.0	19.3		ug/L		96	78 - 120	4	19
Tetrachloroethene			20.0	19.4		ug/L		97	74 - 120	3	18
m-Xylene & p-Xylene			20.0	20.5		ug/L		102	80 - 121	2	15
Toluene			20.0	20.2		ug/L		101	79 - 126	4	20
o-Xylene			20.0	20.7		ug/L		104	80 - 124	1	18
Xylenes, Total			40.0	41.2		ug/L		103	80 - 123	2	16
Trichloroethene			20.0	20.4		ug/L		102	74 - 120	0	20
Trichlorofluoromethane			20.0	18.8		ug/L		94	60 - 135	8	41
Vinyl acetate			20.0	21.5		ug/L		108	64 - 136	11	30
Vinyl chloride			20.0	17.7		ug/L		89	68 - 121	6	33

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*74 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 123*
Toluene-d8 (Surr)	*103*		*78 - 120*
Dibromofluoromethane (Surr)	*112*		*80 - 123*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-541763/10
Matrix: Solid
Analysis Batch: 541763

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10	0.88	ug/Kg			11/11/21 10:25	1
Ethylene Dibromide	ND		10	0.27	ug/Kg			11/11/21 10:25	1
1,2-Dichlorobenzene	ND		5.0	0.64	ug/Kg			11/11/21 10:25	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/Kg			11/11/21 10:25	1
2-Butanone (MEK)	ND		10	1.4	ug/Kg			11/11/21 10:25	1
1,4-Dichlorobenzene	ND		5.0	0.78	ug/Kg			11/11/21 10:25	1
2-Chlorotoluene	ND		5.0	0.62	ug/Kg			11/11/21 10:25	1
1,1-Dichloroethane	ND		5.0	0.29	ug/Kg			11/11/21 10:25	1
4-Chlorotoluene	ND		5.0	0.86	ug/Kg			11/11/21 10:25	1
1,2-Dichloroethane	ND		5.0	0.73	ug/Kg			11/11/21 10:25	1
Acetone	ND		20	1.4	ug/Kg			11/11/21 10:25	1
Benzene	ND		5.0	0.26	ug/Kg			11/11/21 10:25	1
1,1-Dichloroethene	ND		5.0	0.26	ug/Kg			11/11/21 10:25	1
Bromobenzene	ND		5.0	0.52	ug/Kg			11/11/21 10:25	1
1,2-Dichloropropane	ND		5.0	0.60	ug/Kg			11/11/21 10:25	1
Chlorobromomethane	ND		5.0	0.94	ug/Kg			11/11/21 10:25	1
1,3-Dichloropropane	ND		5.0	0.57	ug/Kg			11/11/21 10:25	1
Dichlorobromomethane	ND		5.0	0.53	ug/Kg			11/11/21 10:25	1
2,2-Dichloropropane	ND		5.0	0.38	ug/Kg			11/11/21 10:25	1
Bromoform	ND		5.0	0.40	ug/Kg			11/11/21 10:25	1
Bromomethane	ND		5.0	0.86	ug/Kg			11/11/21 10:25	1
cis-1,2-Dichloroethene	ND		5.0	0.89	ug/Kg			11/11/21 10:25	1
1,1-Dichloropropene	ND		5.0	0.37	ug/Kg			11/11/21 10:25	1
cis-1,3-Dichloropropene	ND		5.0	0.64	ug/Kg			11/11/21 10:25	1
Carbon disulfide	ND		10	0.49	ug/Kg			11/11/21 10:25	1
Carbon tetrachloride	ND		5.0	0.53	ug/Kg			11/11/21 10:25	1
2-Hexanone	ND		10	0.74	ug/Kg			11/11/21 10:25	1
Chlorobenzene	ND		5.0	0.29	ug/Kg			11/11/21 10:25	1
Chloroethane	ND		5.0	0.45	ug/Kg			11/11/21 10:25	1
Chloroform	ND		5.0	0.26	ug/Kg			11/11/21 10:25	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.92	ug/Kg			11/11/21 10:25	1
Chloromethane	ND		5.0	0.50	ug/Kg			11/11/21 10:25	1
Chlorodibromomethane	ND		5.0	0.21	ug/Kg			11/11/21 10:25	1
Dibromomethane	ND		5.0	0.58	ug/Kg			11/11/21 10:25	1
Dichlorodifluoromethane	ND		5.0	0.89	ug/Kg			11/11/21 10:25	1
Ethylbenzene	ND		5.0	0.34	ug/Kg			11/11/21 10:25	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.41	ug/Kg			11/11/21 10:25	1
Hexachlorobutadiene	ND		5.0	0.33	ug/Kg			11/11/21 10:25	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.68	ug/Kg			11/11/21 10:25	1
Isopropylbenzene	ND		5.0	0.52	ug/Kg			11/11/21 10:25	1
Methylene Chloride	ND		10	0.84	ug/Kg			11/11/21 10:25	1
Methyl tert-butyl ether	ND		10	0.60	ug/Kg			11/11/21 10:25	1
1,2,3-Trichlorobenzene	ND		5.0	0.75	ug/Kg			11/11/21 10:25	1
Naphthalene	0.738	J	5.0	0.63	ug/Kg			11/11/21 10:25	1
1,2,4-Trichlorobenzene	ND		5.0	0.75	ug/Kg			11/11/21 10:25	1
n-Butylbenzene	ND		5.0	0.66	ug/Kg			11/11/21 10:25	1
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			11/11/21 10:25	1
N-Propylbenzene	ND		5.0	0.29	ug/Kg			11/11/21 10:25	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-541763/10
Matrix: Solid
Analysis Batch: 541763

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.44	ug/Kg			11/11/21 10:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	0.83	ug/Kg			11/11/21 10:25	1
4-Isopropyltoluene	ND		5.0	0.63	ug/Kg			11/11/21 10:25	1
sec-Butylbenzene	ND		5.0	0.75	ug/Kg			11/11/21 10:25	1
1,2,3-Trichloropropane	ND		5.0	0.76	ug/Kg			11/11/21 10:25	1
Styrene	ND		5.0	0.31	ug/Kg			11/11/21 10:25	1
1,2,4-Trimethylbenzene	ND		5.0	0.51	ug/Kg			11/11/21 10:25	1
trans-1,2-Dichloroethene	ND		5.0	0.38	ug/Kg			11/11/21 10:25	1
1,3,5-Trimethylbenzene	ND		5.0	0.35	ug/Kg			11/11/21 10:25	1
trans-1,3-Dichloropropene	ND		5.0	0.75	ug/Kg			11/11/21 10:25	1
tert-Butylbenzene	ND		5.0	0.54	ug/Kg			11/11/21 10:25	1
Tetrachloroethene	ND		5.0	0.61	ug/Kg			11/11/21 10:25	1
m-Xylene & p-Xylene	ND		5.0	0.81	ug/Kg			11/11/21 10:25	1
Toluene	ND		5.0	0.61	ug/Kg			11/11/21 10:25	1
o-Xylene	ND		5.0	0.33	ug/Kg			11/11/21 10:25	1
Xylenes, Total	ND		5.0	0.81	ug/Kg			11/11/21 10:25	1
Trichloroethene	ND		5.0	0.60	ug/Kg			11/11/21 10:25	1
Trichlorofluoromethane	ND		5.0	0.34	ug/Kg			11/11/21 10:25	1
Vinyl acetate	ND		10	0.69	ug/Kg			11/11/21 10:25	1
Vinyl chloride	ND		5.0	0.36	ug/Kg			11/11/21 10:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*63 - 143*		*11/11/21 10:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*32 - 156*		*11/11/21 10:25*	*1*
Toluene-d8 (Surr)	*97*		*63 - 138*		*11/11/21 10:25*	*1*
Dibromofluoromethane (Surr)	*93*		*55 - 129*		*11/11/21 10:25*	*1*

Lab Sample ID: LCS 320-541763/7
Matrix: Solid
Analysis Batch: 541763

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	50.0	50.6		ug/Kg		101	75 - 137
Ethylene Dibromide	50.0	50.5		ug/Kg		101	80 - 124
1,2-Dichlorobenzene	50.0	50.9		ug/Kg		102	68 - 121
1,3-Dichlorobenzene	50.0	50.9		ug/Kg		102	64 - 126
2-Butanone (MEK)	125	131		ug/Kg		105	71 - 142
1,4-Dichlorobenzene	50.0	50.6		ug/Kg		101	65 - 124
2-Chlorotoluene	50.0	51.2		ug/Kg		102	64 - 127
1,1-Dichloroethane	50.0	48.0		ug/Kg		96	76 - 134
4-Chlorotoluene	50.0	51.4		ug/Kg		103	67 - 128
1,2-Dichloroethane	50.0	49.2		ug/Kg		98	66 - 150
Acetone	125	118		ug/Kg		95	64 - 128
Benzene	50.0	48.3		ug/Kg		97	78 - 128
1,1-Dichloroethene	50.0	49.2		ug/Kg		98	66 - 136
Bromobenzene	50.0	50.9		ug/Kg		102	67 - 132
1,2-Dichloropropane	50.0	47.6		ug/Kg		95	80 - 129
Chlorobromomethane	50.0	47.3		ug/Kg		95	80 - 127

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-541763/7
Matrix: Solid
Analysis Batch: 541763

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichloropropane	50.0	50.7		ug/Kg		101	80 - 123
Dichlorobromomethane	50.0	49.5		ug/Kg		99	80 - 137
2,2-Dichloropropane	50.0	49.4		ug/Kg		99	69 - 153
Bromoform	50.0	52.3		ug/Kg		105	80 - 136
Bromomethane	50.0	48.1		ug/Kg		96	48 - 164
cis-1,2-Dichloroethene	50.0	47.4		ug/Kg		95	74 - 131
1,1-Dichloropropene	50.0	50.8		ug/Kg		102	76 - 132
cis-1,3-Dichloropropene	50.0	50.8		ug/Kg		102	80 - 134
Carbon disulfide	50.0	48.6		ug/Kg		97	52 - 145
Carbon tetrachloride	50.0	51.8		ug/Kg		104	62 - 154
2-Hexanone	125	126		ug/Kg		101	78 - 143
Chlorobenzene	50.0	50.1		ug/Kg		100	74 - 125
Chloroethane	50.0	47.9		ug/Kg		96	54 - 148
Chloroform	50.0	48.7		ug/Kg		97	78 - 135
4-Methyl-2-pentanone (MIBK)	125	126		ug/Kg		101	79 - 150
Chloromethane	50.0	44.6		ug/Kg		89	60 - 141
Chlorodibromomethane	50.0	51.5		ug/Kg		103	80 - 133
Dibromomethane	50.0	48.0		ug/Kg		96	80 - 129
Dichlorodifluoromethane	50.0	50.8		ug/Kg		102	60 - 130
Ethylbenzene	50.0	50.3		ug/Kg		101	72 - 125
1,1,1,2-Tetrachloroethane	50.0	50.1		ug/Kg		100	77 - 134
Hexachlorobutadiene	50.0	55.8		ug/Kg		112	52 - 140
1,1,2,2-Tetrachloroethane	50.0	51.8		ug/Kg		104	71 - 134
Isopropylbenzene	50.0	51.4		ug/Kg		103	69 - 137
Methylene Chloride	50.0	50.7		ug/Kg		101	77 - 125
Methyl tert-butyl ether	50.0	49.2		ug/Kg		98	66 - 146
1,2,3-Trichlorobenzene	50.0	51.7		ug/Kg		103	54 - 140
Naphthalene	50.0	50.5		ug/Kg		101	53 - 140
1,2,4-Trichlorobenzene	50.0	52.3		ug/Kg		105	48 - 145
n-Butylbenzene	50.0	53.4		ug/Kg		107	68 - 136
1,1,1-Trichloroethane	50.0	51.0		ug/Kg		102	67 - 150
N-Propylbenzene	50.0	52.5		ug/Kg		105	63 - 128
1,1,2-Trichloroethane	50.0	48.3		ug/Kg		97	80 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.4		ug/Kg		103	62 - 138
4-Isopropyltoluene	50.0	53.4		ug/Kg		107	64 - 137
sec-Butylbenzene	50.0	53.9		ug/Kg		108	68 - 131
1,2,3-Trichloropropane	50.0	50.4		ug/Kg		101	71 - 132
Styrene	50.0	50.3		ug/Kg		101	79 - 128
1,2,4-Trimethylbenzene	50.0	51.8		ug/Kg		104	64 - 137
trans-1,2-Dichloroethene	50.0	48.7		ug/Kg		97	67 - 135
1,3,5-Trimethylbenzene	50.0	52.6		ug/Kg		105	66 - 135
trans-1,3-Dichloropropene	50.0	50.1		ug/Kg		100	80 - 148
tert-Butylbenzene	50.0	54.0		ug/Kg		108	67 - 131
Tetrachloroethene	50.0	52.0		ug/Kg		104	65 - 135
m-Xylene & p-Xylene	50.0	49.6		ug/Kg		99	73 - 128
Toluene	50.0	49.4		ug/Kg		99	80 - 124
o-Xylene	50.0	49.8		ug/Kg		100	76 - 127
Xylenes, Total	100	99.4		ug/Kg		99	75 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-541763/7
Matrix: Solid
Analysis Batch: 541763

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Trichloroethene			50.0	49.5		ug/Kg		99	80 - 126		
Trichlorofluoromethane			50.0	50.1		ug/Kg		100	43 - 158		
Vinyl acetate			50.0	48.7		ug/Kg		97	39 - 160		
Vinyl chloride			50.0	48.6		ug/Kg		97	67 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*63 - 143*
1,2-Dichloroethane-d4 (Surr)	*94*		*32 - 156*
Toluene-d8 (Surr)	*99*		*63 - 138*
Dibromofluoromethane (Surr)	*96*		*55 - 129*

Lab Sample ID: LCSD 320-541763/8
Matrix: Solid
Analysis Batch: 541763

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			50.0	48.7		ug/Kg		97	75 - 137	4	48
Ethylene Dibromide			50.0	51.6		ug/Kg		103	80 - 124	2	39
1,2-Dichlorobenzene			50.0	49.4		ug/Kg		99	68 - 121	3	28
1,3-Dichlorobenzene			50.0	49.1		ug/Kg		98	64 - 126	4	41
2-Butanone (MEK)			125	124		ug/Kg		99	71 - 142	6	44
1,4-Dichlorobenzene			50.0	49.3		ug/Kg		99	65 - 124	3	38
2-Chlorotoluene			50.0	49.9		ug/Kg		100	64 - 127	2	41
1,1-Dichloroethane			50.0	47.2		ug/Kg		94	76 - 134	2	24
4-Chlorotoluene			50.0	49.5		ug/Kg		99	67 - 128	4	40
1,2-Dichloroethane			50.0	49.2		ug/Kg		98	66 - 150	0	36
Acetone			125	122		ug/Kg		98	64 - 128	3	36
Benzene			50.0	47.6		ug/Kg		95	78 - 128	1	37
1,1-Dichloroethene			50.0	46.4		ug/Kg		93	66 - 136	6	42
Bromobenzene			50.0	49.9		ug/Kg		100	67 - 132	2	40
1,2-Dichloropropane			50.0	47.2		ug/Kg		94	80 - 129	1	38
Chlorobromomethane			50.0	48.8		ug/Kg		98	80 - 127	3	36
1,3-Dichloropropane			50.0	50.3		ug/Kg		101	80 - 123	1	39
Dichlorobromomethane			50.0	49.2		ug/Kg		98	80 - 137	1	37
2,2-Dichloropropane			50.0	49.4		ug/Kg		99	69 - 153	0	47
Bromoform			50.0	52.6		ug/Kg		105	80 - 136	0	45
Bromomethane			50.0	47.8		ug/Kg		96	48 - 164	1	38
cis-1,2-Dichloroethene			50.0	47.0		ug/Kg		94	74 - 131	1	37
1,1-Dichloropropene			50.0	48.1		ug/Kg		96	76 - 132	5	38
cis-1,3-Dichloropropene			50.0	50.0		ug/Kg		100	80 - 134	2	39
Carbon disulfide			50.0	46.6		ug/Kg		93	52 - 145	4	46
Carbon tetrachloride			50.0	49.9		ug/Kg		100	62 - 154	4	43
2-Hexanone			125	127		ug/Kg		101	78 - 143	0	73
Chlorobenzene			50.0	49.1		ug/Kg		98	74 - 125	2	38
Chloroethane			50.0	46.9		ug/Kg		94	54 - 148	2	34
Chloroform			50.0	47.9		ug/Kg		96	78 - 135	2	23
4-Methyl-2-pentanone (MIBK)			125	126		ug/Kg		101	79 - 150	0	48
Chloromethane			50.0	41.9		ug/Kg		84	60 - 141	6	36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 320-541763/8
Matrix: Solid
Analysis Batch: 541763

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorodibromomethane			50.0	52.4		ug/Kg		105	80 - 133	2	24
Dibromomethane			50.0	47.8		ug/Kg		96	80 - 129	0	37
Dichlorodifluoromethane			50.0	49.6		ug/Kg		99	60 - 130	2	46
Ethylbenzene			50.0	49.1		ug/Kg		98	72 - 125	2	41
1,1,1,2-Tetrachloroethane			50.0	50.5		ug/Kg		101	77 - 134	1	25
Hexachlorobutadiene			50.0	50.3		ug/Kg		101	52 - 140	10	38
1,1,2,2-Tetrachloroethane			50.0	51.5		ug/Kg		103	71 - 134	1	31
Isopropylbenzene			50.0	49.8		ug/Kg		100	69 - 137	3	41
Methylene Chloride			50.0	50.5		ug/Kg		101	77 - 125	0	25
Methyl tert-butyl ether			50.0	48.0		ug/Kg		96	66 - 146	2	45
1,2,3-Trichlorobenzene			50.0	49.7		ug/Kg		99	54 - 140	4	42
Naphthalene			50.0	48.7		ug/Kg		97	53 - 140	4	46
1,2,4-Trichlorobenzene			50.0	50.3		ug/Kg		101	48 - 145	4	39
n-Butylbenzene			50.0	49.9		ug/Kg		100	68 - 136	7	37
1,1,1-Trichloroethane			50.0	49.4		ug/Kg		99	67 - 150	3	43
N-Propylbenzene			50.0	49.6		ug/Kg		99	63 - 128	6	42
1,1,2-Trichloroethane			50.0	48.8		ug/Kg		98	80 - 128	1	41
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	47.8		ug/Kg		96	62 - 138	7	22
4-Isopropyltoluene			50.0	50.4		ug/Kg		101	64 - 137	6	40
sec-Butylbenzene			50.0	50.7		ug/Kg		101	68 - 131	6	40
1,2,3-Trichloropropane			50.0	49.3		ug/Kg		99	71 - 132	2	41
Styrene			50.0	50.2		ug/Kg		100	79 - 128	0	40
1,2,4-Trimethylbenzene			50.0	49.9		ug/Kg		100	64 - 137	4	41
trans-1,2-Dichloroethene			50.0	47.6		ug/Kg		95	67 - 135	2	37
1,3,5-Trimethylbenzene			50.0	50.2		ug/Kg		100	66 - 135	5	42
trans-1,3-Dichloropropene			50.0	49.9		ug/Kg		100	80 - 148	0	42
tert-Butylbenzene			50.0	50.9		ug/Kg		102	67 - 131	6	42
Tetrachloroethene			50.0	49.8		ug/Kg		100	65 - 135	4	39
m-Xylene & p-Xylene			50.0	48.7		ug/Kg		97	73 - 128	2	40
Toluene			50.0	48.1		ug/Kg		96	80 - 124	3	39
o-Xylene			50.0	49.1		ug/Kg		98	76 - 127	1	40
Xylenes, Total			100	97.8		ug/Kg		98	75 - 122	2	15
Trichloroethene			50.0	46.8		ug/Kg		94	80 - 126	6	40
Trichlorofluoromethane			50.0	47.5		ug/Kg		95	43 - 158	5	32
Vinyl acetate			50.0	48.7		ug/Kg		97	39 - 160	0	50
Vinyl chloride			50.0	46.8		ug/Kg		94	67 - 127	4	37

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*63 - 143*
1,2-Dichloroethane-d4 (Surr)	*94*		*32 - 156*
Toluene-d8 (Surr)	*100*		*63 - 138*
Dibromofluoromethane (Surr)	*97*		*55 - 129*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-542091/10
Matrix: Solid
Analysis Batch: 542091

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10	0.88	ug/Kg			11/12/21 09:09	1
Ethylene Dibromide	ND		10	0.27	ug/Kg			11/12/21 09:09	1
1,2-Dichlorobenzene	ND		5.0	0.64	ug/Kg			11/12/21 09:09	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/Kg			11/12/21 09:09	1
2-Butanone (MEK)	ND		10	1.4	ug/Kg			11/12/21 09:09	1
1,4-Dichlorobenzene	ND		5.0	0.78	ug/Kg			11/12/21 09:09	1
2-Chlorotoluene	ND		5.0	0.62	ug/Kg			11/12/21 09:09	1
1,1-Dichloroethane	ND		5.0	0.29	ug/Kg			11/12/21 09:09	1
4-Chlorotoluene	ND		5.0	0.86	ug/Kg			11/12/21 09:09	1
1,2-Dichloroethane	ND		5.0	0.73	ug/Kg			11/12/21 09:09	1
Acetone	ND		20	1.4	ug/Kg			11/12/21 09:09	1
Benzene	ND		5.0	0.26	ug/Kg			11/12/21 09:09	1
1,1-Dichloroethene	ND		5.0	0.26	ug/Kg			11/12/21 09:09	1
Bromobenzene	ND		5.0	0.52	ug/Kg			11/12/21 09:09	1
1,2-Dichloropropane	ND		5.0	0.60	ug/Kg			11/12/21 09:09	1
Chlorobromomethane	ND		5.0	0.94	ug/Kg			11/12/21 09:09	1
1,3-Dichloropropane	ND		5.0	0.57	ug/Kg			11/12/21 09:09	1
Dichlorobromomethane	ND		5.0	0.53	ug/Kg			11/12/21 09:09	1
2,2-Dichloropropane	ND		5.0	0.38	ug/Kg			11/12/21 09:09	1
Bromoform	ND		5.0	0.40	ug/Kg			11/12/21 09:09	1
Bromomethane	ND		5.0	0.86	ug/Kg			11/12/21 09:09	1
cis-1,2-Dichloroethene	ND		5.0	0.89	ug/Kg			11/12/21 09:09	1
1,1-Dichloropropene	ND		5.0	0.37	ug/Kg			11/12/21 09:09	1
cis-1,3-Dichloropropene	ND		5.0	0.64	ug/Kg			11/12/21 09:09	1
Carbon disulfide	ND		10	0.49	ug/Kg			11/12/21 09:09	1
Carbon tetrachloride	ND		5.0	0.53	ug/Kg			11/12/21 09:09	1
2-Hexanone	ND		10	0.74	ug/Kg			11/12/21 09:09	1
Chlorobenzene	ND		5.0	0.29	ug/Kg			11/12/21 09:09	1
Chloroethane	ND		5.0	0.45	ug/Kg			11/12/21 09:09	1
Chloroform	ND		5.0	0.26	ug/Kg			11/12/21 09:09	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.92	ug/Kg			11/12/21 09:09	1
Chloromethane	ND		5.0	0.50	ug/Kg			11/12/21 09:09	1
Chlorodibromomethane	ND		5.0	0.21	ug/Kg			11/12/21 09:09	1
Dibromomethane	ND		5.0	0.58	ug/Kg			11/12/21 09:09	1
Dichlorodifluoromethane	ND		5.0	0.89	ug/Kg			11/12/21 09:09	1
Ethylbenzene	ND		5.0	0.34	ug/Kg			11/12/21 09:09	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.41	ug/Kg			11/12/21 09:09	1
Hexachlorobutadiene	ND		5.0	0.33	ug/Kg			11/12/21 09:09	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.68	ug/Kg			11/12/21 09:09	1
Isopropylbenzene	ND		5.0	0.52	ug/Kg			11/12/21 09:09	1
Methylene Chloride	ND		10	0.84	ug/Kg			11/12/21 09:09	1
Methyl tert-butyl ether	ND		10	0.60	ug/Kg			11/12/21 09:09	1
1,2,3-Trichlorobenzene	ND		5.0	0.75	ug/Kg			11/12/21 09:09	1
Naphthalene	1.21	J	5.0	0.63	ug/Kg			11/12/21 09:09	1
1,2,4-Trichlorobenzene	ND		5.0	0.75	ug/Kg			11/12/21 09:09	1
n-Butylbenzene	ND		5.0	0.66	ug/Kg			11/12/21 09:09	1
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			11/12/21 09:09	1
N-Propylbenzene	ND		5.0	0.29	ug/Kg			11/12/21 09:09	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-542091/10
Matrix: Solid
Analysis Batch: 542091

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.44	ug/Kg			11/12/21 09:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	0.83	ug/Kg			11/12/21 09:09	1
4-Isopropyltoluene	ND		5.0	0.63	ug/Kg			11/12/21 09:09	1
sec-Butylbenzene	ND		5.0	0.75	ug/Kg			11/12/21 09:09	1
1,2,3-Trichloropropane	ND		5.0	0.76	ug/Kg			11/12/21 09:09	1
Styrene	ND		5.0	0.31	ug/Kg			11/12/21 09:09	1
1,2,4-Trimethylbenzene	ND		5.0	0.51	ug/Kg			11/12/21 09:09	1
trans-1,2-Dichloroethene	ND		5.0	0.38	ug/Kg			11/12/21 09:09	1
1,3,5-Trimethylbenzene	ND		5.0	0.35	ug/Kg			11/12/21 09:09	1
trans-1,3-Dichloropropene	ND		5.0	0.75	ug/Kg			11/12/21 09:09	1
tert-Butylbenzene	ND		5.0	0.54	ug/Kg			11/12/21 09:09	1
Tetrachloroethene	ND		5.0	0.61	ug/Kg			11/12/21 09:09	1
m-Xylene & p-Xylene	ND		5.0	0.81	ug/Kg			11/12/21 09:09	1
Toluene	ND		5.0	0.61	ug/Kg			11/12/21 09:09	1
o-Xylene	ND		5.0	0.33	ug/Kg			11/12/21 09:09	1
Xylenes, Total	ND		5.0	0.81	ug/Kg			11/12/21 09:09	1
Trichloroethene	ND		5.0	0.60	ug/Kg			11/12/21 09:09	1
Trichlorofluoromethane	ND		5.0	0.34	ug/Kg			11/12/21 09:09	1
Vinyl acetate	ND		10	0.69	ug/Kg			11/12/21 09:09	1
Vinyl chloride	ND		5.0	0.36	ug/Kg			11/12/21 09:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*63 - 143*		*11/12/21 09:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*32 - 156*		*11/12/21 09:09*	*1*
Toluene-d8 (Surr)	*115*		*63 - 138*		*11/12/21 09:09*	*1*
Dibromofluoromethane (Surr)	*106*		*55 - 129*		*11/12/21 09:09*	*1*

Lab Sample ID: LCS 320-542091/7
Matrix: Solid
Analysis Batch: 542091

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	50.0	47.9		ug/Kg		96	75 - 137
Ethylene Dibromide	50.0	50.5		ug/Kg		101	80 - 124
1,2-Dichlorobenzene	50.0	46.4		ug/Kg		93	68 - 121
1,3-Dichlorobenzene	50.0	48.2		ug/Kg		96	64 - 126
2-Butanone (MEK)	125	98.7		ug/Kg		79	71 - 142
1,4-Dichlorobenzene	50.0	47.9		ug/Kg		96	65 - 124
2-Chlorotoluene	50.0	48.9		ug/Kg		98	64 - 127
1,1-Dichloroethane	50.0	46.5		ug/Kg		93	76 - 134
4-Chlorotoluene	50.0	50.2		ug/Kg		100	67 - 128
1,2-Dichloroethane	50.0	47.7		ug/Kg		95	66 - 150
Acetone	125	95.9		ug/Kg		77	64 - 128
Benzene	50.0	46.3		ug/Kg		93	78 - 128
1,1-Dichloroethene	50.0	41.8		ug/Kg		84	66 - 136
Bromobenzene	50.0	49.7		ug/Kg		99	67 - 132
1,2-Dichloropropane	50.0	48.2		ug/Kg		96	80 - 129
Chlorobromomethane	50.0	42.6		ug/Kg		85	80 - 127

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-542091/7
Matrix: Solid
Analysis Batch: 542091

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichloropropane	50.0	50.5		ug/Kg		101	80 - 123
Dichlorobromomethane	50.0	48.6		ug/Kg		97	80 - 137
2,2-Dichloropropane	50.0	48.0		ug/Kg		96	69 - 153
Bromoform	50.0	48.4		ug/Kg		97	80 - 136
Bromomethane	50.0	46.0		ug/Kg		92	48 - 164
cis-1,2-Dichloroethene	50.0	43.7		ug/Kg		87	74 - 131
1,1-Dichloropropene	50.0	49.1		ug/Kg		98	76 - 132
cis-1,3-Dichloropropene	50.0	52.4		ug/Kg		105	80 - 134
Carbon disulfide	50.0	38.2		ug/Kg		76	52 - 145
Carbon tetrachloride	50.0	48.1		ug/Kg		96	62 - 154
2-Hexanone	125	117		ug/Kg		93	78 - 143
Chlorobenzene	50.0	47.9		ug/Kg		96	74 - 125
Chloroethane	50.0	44.3		ug/Kg		89	54 - 148
Chloroform	50.0	44.9		ug/Kg		90	78 - 135
4-Methyl-2-pentanone (MIBK)	125	103		ug/Kg		83	79 - 150
Chloromethane	50.0	47.3		ug/Kg		95	60 - 141
Chlorodibromomethane	50.0	48.7		ug/Kg		97	80 - 133
Dibromomethane	50.0	47.9		ug/Kg		96	80 - 129
Dichlorodifluoromethane	50.0	48.9		ug/Kg		98	60 - 130
Ethylbenzene	50.0	48.6		ug/Kg		97	72 - 125
1,1,1,2-Tetrachloroethane	50.0	46.2		ug/Kg		92	77 - 134
Hexachlorobutadiene	50.0	48.8		ug/Kg		98	52 - 140
1,1,2,2-Tetrachloroethane	50.0	50.1		ug/Kg		100	71 - 134
Isopropylbenzene	50.0	48.2		ug/Kg		96	69 - 137
Methylene Chloride	50.0	41.3		ug/Kg		83	77 - 125
Methyl tert-butyl ether	50.0	57.8		ug/Kg		116	66 - 146
1,2,3-Trichlorobenzene	50.0	51.0		ug/Kg		102	54 - 140
Naphthalene	50.0	50.8		ug/Kg		102	53 - 140
1,2,4-Trichlorobenzene	50.0	49.5		ug/Kg		99	48 - 145
n-Butylbenzene	50.0	50.5		ug/Kg		101	68 - 136
1,1,1-Trichloroethane	50.0	47.5		ug/Kg		95	67 - 150
N-Propylbenzene	50.0	51.0		ug/Kg		102	63 - 128
1,1,2-Trichloroethane	50.0	48.3		ug/Kg		97	80 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.5		ug/Kg		93	62 - 138
4-Isopropyltoluene	50.0	50.0		ug/Kg		100	64 - 137
sec-Butylbenzene	50.0	50.5		ug/Kg		101	68 - 131
1,2,3-Trichloropropane	50.0	48.9		ug/Kg		98	71 - 132
Styrene	50.0	49.1		ug/Kg		98	79 - 128
1,2,4-Trimethylbenzene	50.0	49.1		ug/Kg		98	64 - 137
trans-1,2-Dichloroethene	50.0	42.2		ug/Kg		84	67 - 135
1,3,5-Trimethylbenzene	50.0	49.7		ug/Kg		99	66 - 135
trans-1,3-Dichloropropene	50.0	55.0		ug/Kg		110	80 - 148
tert-Butylbenzene	50.0	50.6		ug/Kg		101	67 - 131
Tetrachloroethene	50.0	47.8		ug/Kg		96	65 - 135
m-Xylene & p-Xylene	50.0	48.7		ug/Kg		97	73 - 128
Toluene	50.0	47.9		ug/Kg		96	80 - 124
o-Xylene	50.0	46.8		ug/Kg		94	76 - 127
Xylenes, Total	100	95.5		ug/Kg		96	75 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-542091/7
Matrix: Solid
Analysis Batch: 542091

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Trichloroethene			50.0	48.4		ug/Kg		97	80 - 126		
Trichlorofluoromethane			50.0	49.1		ug/Kg		98	43 - 158		
Vinyl acetate			50.0	52.9		ug/Kg		106	39 - 160		
Vinyl chloride			50.0	50.7		ug/Kg		101	67 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*63 - 143*
1,2-Dichloroethane-d4 (Surr)	*105*		*32 - 156*
Toluene-d8 (Surr)	*121*		*63 - 138*
Dibromofluoromethane (Surr)	*106*		*55 - 129*

Lab Sample ID: LCSD 320-542091/8
Matrix: Solid
Analysis Batch: 542091

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			50.0	55.0		ug/Kg		110	75 - 137	14	48
Ethylene Dibromide			50.0	51.8		ug/Kg		104	80 - 124	2	39
1,2-Dichlorobenzene			50.0	47.7		ug/Kg		95	68 - 121	3	28
1,3-Dichlorobenzene			50.0	48.4		ug/Kg		97	64 - 126	0	41
2-Butanone (MEK)			125	99.4		ug/Kg		80	71 - 142	1	44
1,4-Dichlorobenzene			50.0	49.8		ug/Kg		100	65 - 124	4	38
2-Chlorotoluene			50.0	49.0		ug/Kg		98	64 - 127	0	41
1,1-Dichloroethane			50.0	45.5		ug/Kg		91	76 - 134	2	24
4-Chlorotoluene			50.0	51.0		ug/Kg		102	67 - 128	2	40
1,2-Dichloroethane			50.0	49.7		ug/Kg		99	66 - 150	4	36
Acetone			125	100		ug/Kg		80	64 - 128	4	36
Benzene			50.0	46.5		ug/Kg		93	78 - 128	0	37
1,1-Dichloroethene			50.0	41.0		ug/Kg		82	66 - 136	2	42
Bromobenzene			50.0	49.2		ug/Kg		98	67 - 132	1	40
1,2-Dichloropropane			50.0	49.3		ug/Kg		99	80 - 129	2	38
Chlorobromomethane			50.0	45.1		ug/Kg		90	80 - 127	6	36
1,3-Dichloropropane			50.0	52.5		ug/Kg		105	80 - 123	4	39
Dichlorobromomethane			50.0	48.8		ug/Kg		98	80 - 137	0	37
2,2-Dichloropropane			50.0	48.1		ug/Kg		96	69 - 153	0	47
Bromoform			50.0	52.1		ug/Kg		104	80 - 136	7	45
Bromomethane			50.0	47.0		ug/Kg		94	48 - 164	2	38
cis-1,2-Dichloroethene			50.0	44.0		ug/Kg		88	74 - 131	1	37
1,1-Dichloropropene			50.0	48.0		ug/Kg		96	76 - 132	2	38
cis-1,3-Dichloropropene			50.0	52.7		ug/Kg		105	80 - 134	1	39
Carbon disulfide			50.0	38.5		ug/Kg		77	52 - 145	1	46
Carbon tetrachloride			50.0	47.6		ug/Kg		95	62 - 154	1	43
2-Hexanone			125	118		ug/Kg		94	78 - 143	1	73
Chlorobenzene			50.0	48.4		ug/Kg		97	74 - 125	1	38
Chloroethane			50.0	44.1		ug/Kg		88	54 - 148	0	34
Chloroform			50.0	45.2		ug/Kg		90	78 - 135	1	23
4-Methyl-2-pentanone (MIBK)			125	104		ug/Kg		83	79 - 150	1	48
Chloromethane			50.0	46.8		ug/Kg		94	60 - 141	1	36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 320-542091/8
Matrix: Solid
Analysis Batch: 542091

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorodibromomethane			50.0	49.8		ug/Kg		100	80 - 133	2	24
Dibromomethane			50.0	48.5		ug/Kg		97	80 - 129	1	37
Dichlorodifluoromethane			50.0	47.0		ug/Kg		94	60 - 130	4	46
Ethylbenzene			50.0	48.7		ug/Kg		97	72 - 125	0	41
1,1,1,2-Tetrachloroethane			50.0	47.8		ug/Kg		96	77 - 134	3	25
Hexachlorobutadiene			50.0	49.3		ug/Kg		99	52 - 140	1	38
1,1,2,2-Tetrachloroethane			50.0	54.3		ug/Kg		109	71 - 134	8	31
Isopropylbenzene			50.0	48.5		ug/Kg		97	69 - 137	0	41
Methylene Chloride			50.0	43.3		ug/Kg		87	77 - 125	5	25
Methyl tert-butyl ether			50.0	61.1		ug/Kg		122	66 - 146	6	45
1,2,3-Trichlorobenzene			50.0	53.4		ug/Kg		107	54 - 140	5	42
Naphthalene			50.0	55.3		ug/Kg		111	53 - 140	8	46
1,2,4-Trichlorobenzene			50.0	51.7		ug/Kg		103	48 - 145	4	39
n-Butylbenzene			50.0	50.6		ug/Kg		101	68 - 136	0	37
1,1,1-Trichloroethane			50.0	46.4		ug/Kg		93	67 - 150	2	43
N-Propylbenzene			50.0	50.4		ug/Kg		101	63 - 128	1	42
1,1,2-Trichloroethane			50.0	50.5		ug/Kg		101	80 - 128	4	41
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	43.5		ug/Kg		87	62 - 138	7	22
4-Isopropyltoluene			50.0	49.8		ug/Kg		100	64 - 137	0	40
sec-Butylbenzene			50.0	50.1		ug/Kg		100	68 - 131	1	40
1,2,3-Trichloropropane			50.0	53.6		ug/Kg		107	71 - 132	9	41
Styrene			50.0	49.3		ug/Kg		99	79 - 128	0	40
1,2,4-Trimethylbenzene			50.0	49.9		ug/Kg		100	64 - 137	1	41
trans-1,2-Dichloroethene			50.0	42.4		ug/Kg		85	67 - 135	1	37
1,3,5-Trimethylbenzene			50.0	50.7		ug/Kg		101	66 - 135	2	42
trans-1,3-Dichloropropene			50.0	56.9		ug/Kg		114	80 - 148	3	42
tert-Butylbenzene			50.0	50.7		ug/Kg		101	67 - 131	0	42
Tetrachloroethene			50.0	48.4		ug/Kg		97	65 - 135	1	39
m-Xylene & p-Xylene			50.0	48.7		ug/Kg		97	73 - 128	0	40
Toluene			50.0	48.0		ug/Kg		96	80 - 124	0	39
o-Xylene			50.0	47.3		ug/Kg		95	76 - 127	1	40
Xylenes, Total			100	96.0		ug/Kg		96	75 - 122	1	15
Trichloroethene			50.0	48.0		ug/Kg		96	80 - 126	1	40
Trichlorofluoromethane			50.0	48.0		ug/Kg		96	43 - 158	2	32
Vinyl acetate			50.0	55.4		ug/Kg		111	39 - 160	5	50
Vinyl chloride			50.0	49.7		ug/Kg		99	67 - 127	2	37

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*63 - 143*
1,2-Dichloroethane-d4 (Surr)	*104*		*32 - 156*
Toluene-d8 (Surr)	*121*		*63 - 138*
Dibromofluoromethane (Surr)	*105*		*55 - 129*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-542727/11
Matrix: Solid
Analysis Batch: 542727

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10	0.88	ug/Kg			11/15/21 10:22	1
Ethylene Dibromide	ND		10	0.27	ug/Kg			11/15/21 10:22	1
1,2-Dichlorobenzene	ND		5.0	0.64	ug/Kg			11/15/21 10:22	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/Kg			11/15/21 10:22	1
2-Butanone (MEK)	ND		10	1.4	ug/Kg			11/15/21 10:22	1
1,4-Dichlorobenzene	ND		5.0	0.78	ug/Kg			11/15/21 10:22	1
2-Chlorotoluene	ND		5.0	0.62	ug/Kg			11/15/21 10:22	1
1,1-Dichloroethane	ND		5.0	0.29	ug/Kg			11/15/21 10:22	1
4-Chlorotoluene	ND		5.0	0.86	ug/Kg			11/15/21 10:22	1
1,2-Dichloroethane	ND		5.0	0.73	ug/Kg			11/15/21 10:22	1
Acetone	ND		20	1.4	ug/Kg			11/15/21 10:22	1
Benzene	ND		5.0	0.26	ug/Kg			11/15/21 10:22	1
1,1-Dichloroethene	ND		5.0	0.26	ug/Kg			11/15/21 10:22	1
Bromobenzene	ND		5.0	0.52	ug/Kg			11/15/21 10:22	1
1,2-Dichloropropane	ND		5.0	0.60	ug/Kg			11/15/21 10:22	1
Chlorobromomethane	ND		5.0	0.94	ug/Kg			11/15/21 10:22	1
1,3-Dichloropropane	ND		5.0	0.57	ug/Kg			11/15/21 10:22	1
Dichlorobromomethane	ND		5.0	0.53	ug/Kg			11/15/21 10:22	1
2,2-Dichloropropane	ND		5.0	0.38	ug/Kg			11/15/21 10:22	1
Bromoform	ND		5.0	0.40	ug/Kg			11/15/21 10:22	1
Bromomethane	ND		5.0	0.86	ug/Kg			11/15/21 10:22	1
cis-1,2-Dichloroethene	ND		5.0	0.89	ug/Kg			11/15/21 10:22	1
1,1-Dichloropropene	ND		5.0	0.37	ug/Kg			11/15/21 10:22	1
cis-1,3-Dichloropropene	ND		5.0	0.64	ug/Kg			11/15/21 10:22	1
Carbon disulfide	ND		10	0.49	ug/Kg			11/15/21 10:22	1
Carbon tetrachloride	ND		5.0	0.53	ug/Kg			11/15/21 10:22	1
2-Hexanone	ND		10	0.74	ug/Kg			11/15/21 10:22	1
Chlorobenzene	ND		5.0	0.29	ug/Kg			11/15/21 10:22	1
Chloroethane	ND		5.0	0.45	ug/Kg			11/15/21 10:22	1
Chloroform	ND		5.0	0.26	ug/Kg			11/15/21 10:22	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.92	ug/Kg			11/15/21 10:22	1
Chloromethane	ND		5.0	0.50	ug/Kg			11/15/21 10:22	1
Chlorodibromomethane	ND		5.0	0.21	ug/Kg			11/15/21 10:22	1
Dibromomethane	ND		5.0	0.58	ug/Kg			11/15/21 10:22	1
Dichlorodifluoromethane	ND		5.0	0.89	ug/Kg			11/15/21 10:22	1
Ethylbenzene	ND		5.0	0.34	ug/Kg			11/15/21 10:22	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.41	ug/Kg			11/15/21 10:22	1
Hexachlorobutadiene	ND		5.0	0.33	ug/Kg			11/15/21 10:22	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.68	ug/Kg			11/15/21 10:22	1
Isopropylbenzene	ND		5.0	0.52	ug/Kg			11/15/21 10:22	1
Methylene Chloride	ND		10	0.84	ug/Kg			11/15/21 10:22	1
Methyl tert-butyl ether	ND		10	0.60	ug/Kg			11/15/21 10:22	1
1,2,3-Trichlorobenzene	ND		5.0	0.75	ug/Kg			11/15/21 10:22	1
Naphthalene	0.733	J	5.0	0.63	ug/Kg			11/15/21 10:22	1
1,2,4-Trichlorobenzene	ND		5.0	0.75	ug/Kg			11/15/21 10:22	1
n-Butylbenzene	ND		5.0	0.66	ug/Kg			11/15/21 10:22	1
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			11/15/21 10:22	1
N-Propylbenzene	ND		5.0	0.29	ug/Kg			11/15/21 10:22	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-542727/11
Matrix: Solid
Analysis Batch: 542727

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.44	ug/Kg			11/15/21 10:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	0.83	ug/Kg			11/15/21 10:22	1
4-Isopropyltoluene	ND		5.0	0.63	ug/Kg			11/15/21 10:22	1
sec-Butylbenzene	ND		5.0	0.75	ug/Kg			11/15/21 10:22	1
1,2,3-Trichloropropane	ND		5.0	0.76	ug/Kg			11/15/21 10:22	1
Styrene	ND		5.0	0.31	ug/Kg			11/15/21 10:22	1
1,2,4-Trimethylbenzene	ND		5.0	0.51	ug/Kg			11/15/21 10:22	1
trans-1,2-Dichloroethene	ND		5.0	0.38	ug/Kg			11/15/21 10:22	1
1,3,5-Trimethylbenzene	ND		5.0	0.35	ug/Kg			11/15/21 10:22	1
trans-1,3-Dichloropropene	ND		5.0	0.75	ug/Kg			11/15/21 10:22	1
tert-Butylbenzene	ND		5.0	0.54	ug/Kg			11/15/21 10:22	1
Tetrachloroethene	ND		5.0	0.61	ug/Kg			11/15/21 10:22	1
m-Xylene & p-Xylene	ND		5.0	0.81	ug/Kg			11/15/21 10:22	1
Toluene	ND		5.0	0.61	ug/Kg			11/15/21 10:22	1
o-Xylene	ND		5.0	0.33	ug/Kg			11/15/21 10:22	1
Xylenes, Total	ND		5.0	0.81	ug/Kg			11/15/21 10:22	1
Trichloroethene	ND		5.0	0.60	ug/Kg			11/15/21 10:22	1
Trichlorofluoromethane	ND		5.0	0.34	ug/Kg			11/15/21 10:22	1
Vinyl acetate	ND		10	0.69	ug/Kg			11/15/21 10:22	1
Vinyl chloride	ND		5.0	0.36	ug/Kg			11/15/21 10:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*63 - 143*		*11/15/21 10:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*32 - 156*		*11/15/21 10:22*	*1*
Toluene-d8 (Surr)	*117*		*63 - 138*		*11/15/21 10:22*	*1*
Dibromofluoromethane (Surr)	*105*		*55 - 129*		*11/15/21 10:22*	*1*

Lab Sample ID: LCS 320-542727/7
Matrix: Solid
Analysis Batch: 542727

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	50.0	63.2		ug/Kg		126	75 - 137
Ethylene Dibromide	50.0	57.0		ug/Kg		114	80 - 124
1,2-Dichlorobenzene	50.0	55.2		ug/Kg		110	68 - 121
1,3-Dichlorobenzene	50.0	57.2		ug/Kg		114	64 - 126
2-Butanone (MEK)	125	103		ug/Kg		83	71 - 142
1,4-Dichlorobenzene	50.0	56.7		ug/Kg		113	65 - 124
2-Chlorotoluene	50.0	60.1		ug/Kg		120	64 - 127
1,1-Dichloroethane	50.0	55.1		ug/Kg		110	76 - 134
4-Chlorotoluene	50.0	60.3		ug/Kg		121	67 - 128
1,2-Dichloroethane	50.0	53.9		ug/Kg		108	66 - 150
Acetone	125	108		ug/Kg		86	64 - 128
Benzene	50.0	56.3		ug/Kg		113	78 - 128
1,1-Dichloroethene	50.0	55.1		ug/Kg		110	66 - 136
Bromobenzene	50.0	58.1		ug/Kg		116	67 - 132
1,2-Dichloropropane	50.0	53.5		ug/Kg		107	80 - 129
Chlorobromomethane	50.0	49.1		ug/Kg		98	80 - 127

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-542727/7
Matrix: Solid
Analysis Batch: 542727

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichloropropane	50.0	56.9		ug/Kg		114	80 - 123
Dichlorobromomethane	50.0	53.0		ug/Kg		106	80 - 137
2,2-Dichloropropane	50.0	63.9		ug/Kg		128	69 - 153
Bromoform	50.0	58.1		ug/Kg		116	80 - 136
Bromomethane	50.0	55.4		ug/Kg		111	48 - 164
cis-1,2-Dichloroethene	50.0	50.8		ug/Kg		102	74 - 131
1,1-Dichloropropene	50.0	62.3		ug/Kg		125	76 - 132
cis-1,3-Dichloropropene	50.0	56.7		ug/Kg		113	80 - 134
Carbon disulfide	50.0	52.2		ug/Kg		104	52 - 145
Carbon tetrachloride	50.0	63.0		ug/Kg		126	62 - 154
2-Hexanone	125	111		ug/Kg		89	78 - 143
Chlorobenzene	50.0	56.0		ug/Kg		112	74 - 125
Chloroethane	50.0	55.4		ug/Kg		111	54 - 148
Chloroform	50.0	53.0		ug/Kg		106	78 - 135
4-Methyl-2-pentanone (MIBK)	125	101		ug/Kg		81	79 - 150
Chloromethane	50.0	57.3		ug/Kg		115	60 - 141
Chlorodibromomethane	50.0	55.4		ug/Kg		111	80 - 133
Dibromomethane	50.0	51.7		ug/Kg		103	80 - 129
Dichlorodifluoromethane	50.0	61.0		ug/Kg		122	60 - 130
Ethylbenzene	50.0	59.9		ug/Kg		120	72 - 125
1,1,1,2-Tetrachloroethane	50.0	55.8		ug/Kg		112	77 - 134
Hexachlorobutadiene	50.0	67.3		ug/Kg		135	52 - 140
1,1,2,2-Tetrachloroethane	50.0	60.7		ug/Kg		121	71 - 134
Isopropylbenzene	50.0	61.7		ug/Kg		123	69 - 137
Methylene Chloride	50.0	48.4		ug/Kg		97	77 - 125
Methyl tert-butyl ether	50.0	66.5		ug/Kg		133	66 - 146
1,2,3-Trichlorobenzene	50.0	62.7		ug/Kg		125	54 - 140
Naphthalene	50.0	65.7		ug/Kg		131	53 - 140
1,2,4-Trichlorobenzene	50.0	61.8		ug/Kg		124	48 - 145
n-Butylbenzene	50.0	66.3		ug/Kg		133	68 - 136
1,1,1-Trichloroethane	50.0	59.4		ug/Kg		119	67 - 150
N-Propylbenzene	50.0	64.9	*+	ug/Kg		130	63 - 128
1,1,2-Trichloroethane	50.0	54.0		ug/Kg		108	80 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	60.9		ug/Kg		122	62 - 138
4-Isopropyltoluene	50.0	64.6		ug/Kg		129	64 - 137
sec-Butylbenzene	50.0	65.6		ug/Kg		131	68 - 131
1,2,3-Trichloropropane	50.0	60.5		ug/Kg		121	71 - 132
Styrene	50.0	56.9		ug/Kg		114	79 - 128
1,2,4-Trimethylbenzene	50.0	61.6		ug/Kg		123	64 - 137
trans-1,2-Dichloroethene	50.0	52.8		ug/Kg		106	67 - 135
1,3,5-Trimethylbenzene	50.0	63.4		ug/Kg		127	66 - 135
trans-1,3-Dichloropropene	50.0	58.6		ug/Kg		117	80 - 148
tert-Butylbenzene	50.0	66.1	*+	ug/Kg		132	67 - 131
Tetrachloroethene	50.0	60.4		ug/Kg		121	65 - 135
m-Xylene & p-Xylene	50.0	60.4		ug/Kg		121	73 - 128
Toluene	50.0	59.3		ug/Kg		119	80 - 124
o-Xylene	50.0	56.7		ug/Kg		113	76 - 127
Xylenes, Total	100	117		ug/Kg		117	75 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-542727/7
Matrix: Solid
Analysis Batch: 542727

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Trichloroethene			50.0	58.2		ug/Kg		116	80 - 126		
Trichlorofluoromethane			50.0	62.3		ug/Kg		125	43 - 158		
Vinyl acetate			50.0	58.7		ug/Kg		117	39 - 160		
Vinyl chloride			50.0	64.7	*+	ug/Kg		129	67 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*63 - 143*
1,2-Dichloroethane-d4 (Surr)	*109*		*32 - 156*
Toluene-d8 (Surr)	*119*		*63 - 138*
Dibromofluoromethane (Surr)	*109*		*55 - 129*

Lab Sample ID: LCSD 320-542727/8
Matrix: Solid
Analysis Batch: 542727

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			50.0	59.7		ug/Kg		119	75 - 137	6	48
Ethylene Dibromide			50.0	54.3		ug/Kg		109	80 - 124	5	39
1,2-Dichlorobenzene			50.0	55.8		ug/Kg		112	68 - 121	1	28
1,3-Dichlorobenzene			50.0	58.3		ug/Kg		117	64 - 126	2	41
2-Butanone (MEK)			125	99.7		ug/Kg		80	71 - 142	3	44
1,4-Dichlorobenzene			50.0	57.1		ug/Kg		114	65 - 124	1	38
2-Chlorotoluene			50.0	62.3		ug/Kg		125	64 - 127	4	41
1,1-Dichloroethane			50.0	54.1		ug/Kg		108	76 - 134	2	24
4-Chlorotoluene			50.0	61.4		ug/Kg		123	67 - 128	2	40
1,2-Dichloroethane			50.0	51.5		ug/Kg		103	66 - 150	5	36
Acetone			125	105		ug/Kg		84	64 - 128	3	36
Benzene			50.0	53.6		ug/Kg		107	78 - 128	5	37
1,1-Dichloroethene			50.0	52.6		ug/Kg		105	66 - 136	5	42
Bromobenzene			50.0	58.3		ug/Kg		117	67 - 132	0	40
1,2-Dichloropropane			50.0	52.3		ug/Kg		105	80 - 129	2	38
Chlorobromomethane			50.0	47.7		ug/Kg		95	80 - 127	3	36
1,3-Dichloropropane			50.0	54.9		ug/Kg		110	80 - 123	4	39
Dichlorobromomethane			50.0	51.6		ug/Kg		103	80 - 137	3	37
2,2-Dichloropropane			50.0	61.9		ug/Kg		124	69 - 153	3	47
Bromoform			50.0	56.8		ug/Kg		114	80 - 136	2	45
Bromomethane			50.0	53.6		ug/Kg		107	48 - 164	3	38
cis-1,2-Dichloroethene			50.0	49.8		ug/Kg		100	74 - 131	2	37
1,1-Dichloropropene			50.0	60.2		ug/Kg		120	76 - 132	3	38
cis-1,3-Dichloropropene			50.0	54.8		ug/Kg		110	80 - 134	3	39
Carbon disulfide			50.0	52.4		ug/Kg		105	52 - 145	0	46
Carbon tetrachloride			50.0	60.2		ug/Kg		120	62 - 154	5	43
2-Hexanone			125	113		ug/Kg		90	78 - 143	1	73
Chlorobenzene			50.0	55.6		ug/Kg		111	74 - 125	1	38
Chloroethane			50.0	53.6		ug/Kg		107	54 - 148	3	34
Chloroform			50.0	51.6		ug/Kg		103	78 - 135	3	23
4-Methyl-2-pentanone (MIBK)			125	103		ug/Kg		82	79 - 150	2	48
Chloromethane			50.0	57.4		ug/Kg		115	60 - 141	0	36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 320-542727/8
Matrix: Solid
Analysis Batch: 542727

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorodibromomethane			50.0	53.0		ug/Kg		106	80 - 133	4	24
Dibromomethane			50.0	48.8		ug/Kg		98	80 - 129	6	37
Dichlorodifluoromethane			50.0	60.2		ug/Kg		120	60 - 130	1	46
Ethylbenzene			50.0	59.4		ug/Kg		119	72 - 125	1	41
1,1,1,2-Tetrachloroethane			50.0	55.4		ug/Kg		111	77 - 134	1	25
Hexachlorobutadiene			50.0	67.0		ug/Kg		134	52 - 140	0	38
1,1,2,2-Tetrachloroethane			50.0	59.0		ug/Kg		118	71 - 134	3	31
Isopropylbenzene			50.0	61.2		ug/Kg		122	69 - 137	1	41
Methylene Chloride			50.0	47.2		ug/Kg		94	77 - 125	3	25
Methyl tert-butyl ether			50.0	64.0		ug/Kg		128	66 - 146	4	45
1,2,3-Trichlorobenzene			50.0	62.9		ug/Kg		126	54 - 140	0	42
Naphthalene			50.0	62.9		ug/Kg		126	53 - 140	4	46
1,2,4-Trichlorobenzene			50.0	61.9		ug/Kg		124	48 - 145	0	39
n-Butylbenzene			50.0	66.9		ug/Kg		134	68 - 136	1	37
1,1,1-Trichloroethane			50.0	57.7		ug/Kg		115	67 - 150	3	43
N-Propylbenzene			50.0	64.9	*+	ug/Kg		130	63 - 128	0	42
1,1,2-Trichloroethane			50.0	53.0		ug/Kg		106	80 - 128	2	41
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	58.3		ug/Kg		117	62 - 138	4	22
4-Isopropyltoluene			50.0	65.2		ug/Kg		130	64 - 137	1	40
sec-Butylbenzene			50.0	66.6	*+	ug/Kg		133	68 - 131	2	40
1,2,3-Trichloropropane			50.0	58.8		ug/Kg		118	71 - 132	3	41
Styrene			50.0	58.0		ug/Kg		116	79 - 128	2	40
1,2,4-Trimethylbenzene			50.0	62.6		ug/Kg		125	64 - 137	2	41
trans-1,2-Dichloroethene			50.0	51.9		ug/Kg		104	67 - 135	2	37
1,3,5-Trimethylbenzene			50.0	63.8		ug/Kg		128	66 - 135	1	42
trans-1,3-Dichloropropene			50.0	56.3		ug/Kg		113	80 - 148	4	42
tert-Butylbenzene			50.0	67.6	*+	ug/Kg		135	67 - 131	2	42
Tetrachloroethene			50.0	60.7		ug/Kg		121	65 - 135	0	39
m-Xylene & p-Xylene			50.0	58.9		ug/Kg		118	73 - 128	3	40
Toluene			50.0	58.3		ug/Kg		117	80 - 124	2	39
o-Xylene			50.0	58.2		ug/Kg		116	76 - 127	3	40
Xylenes, Total			100	117		ug/Kg		117	75 - 122	0	15
Trichloroethene			50.0	56.7		ug/Kg		113	80 - 126	3	40
Trichlorofluoromethane			50.0	61.1		ug/Kg		122	43 - 158	2	32
Vinyl acetate			50.0	54.2		ug/Kg		108	39 - 160	8	50
Vinyl chloride			50.0	63.4		ug/Kg		127	67 - 127	2	37

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*63 - 143*
1,2-Dichloroethane-d4 (Surr)	*102*		*32 - 156*
Toluene-d8 (Surr)	*117*		*63 - 138*
Dibromofluoromethane (Surr)	*103*		*55 - 129*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-543468/10
Matrix: Solid
Analysis Batch: 543468

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10	0.88	ug/Kg			11/17/21 11:14	1
Ethylene Dibromide	ND		10	0.27	ug/Kg			11/17/21 11:14	1
1,2-Dichlorobenzene	ND		5.0	0.64	ug/Kg			11/17/21 11:14	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/Kg			11/17/21 11:14	1
2-Butanone (MEK)	ND		10	1.4	ug/Kg			11/17/21 11:14	1
1,4-Dichlorobenzene	ND		5.0	0.78	ug/Kg			11/17/21 11:14	1
2-Chlorotoluene	ND		5.0	0.62	ug/Kg			11/17/21 11:14	1
1,1-Dichloroethane	ND		5.0	0.29	ug/Kg			11/17/21 11:14	1
4-Chlorotoluene	ND		5.0	0.86	ug/Kg			11/17/21 11:14	1
1,2-Dichloroethane	ND		5.0	0.73	ug/Kg			11/17/21 11:14	1
Acetone	ND		20	1.4	ug/Kg			11/17/21 11:14	1
Benzene	ND		5.0	0.26	ug/Kg			11/17/21 11:14	1
1,1-Dichloroethene	ND		5.0	0.26	ug/Kg			11/17/21 11:14	1
Bromobenzene	ND		5.0	0.52	ug/Kg			11/17/21 11:14	1
1,2-Dichloropropane	ND		5.0	0.60	ug/Kg			11/17/21 11:14	1
Chlorobromomethane	ND		5.0	0.94	ug/Kg			11/17/21 11:14	1
1,3-Dichloropropane	ND		5.0	0.57	ug/Kg			11/17/21 11:14	1
Dichlorobromomethane	ND		5.0	0.53	ug/Kg			11/17/21 11:14	1
2,2-Dichloropropane	ND		5.0	0.38	ug/Kg			11/17/21 11:14	1
Bromoform	ND		5.0	0.40	ug/Kg			11/17/21 11:14	1
Bromomethane	ND		5.0	0.86	ug/Kg			11/17/21 11:14	1
cis-1,2-Dichloroethene	ND		5.0	0.89	ug/Kg			11/17/21 11:14	1
1,1-Dichloropropene	ND		5.0	0.37	ug/Kg			11/17/21 11:14	1
cis-1,3-Dichloropropene	ND		5.0	0.64	ug/Kg			11/17/21 11:14	1
Carbon disulfide	ND		10	0.49	ug/Kg			11/17/21 11:14	1
Carbon tetrachloride	ND		5.0	0.53	ug/Kg			11/17/21 11:14	1
2-Hexanone	ND		10	0.74	ug/Kg			11/17/21 11:14	1
Chlorobenzene	ND		5.0	0.29	ug/Kg			11/17/21 11:14	1
Chloroethane	ND		5.0	0.45	ug/Kg			11/17/21 11:14	1
Chloroform	ND		5.0	0.26	ug/Kg			11/17/21 11:14	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.92	ug/Kg			11/17/21 11:14	1
Chloromethane	ND		5.0	0.50	ug/Kg			11/17/21 11:14	1
Chlorodibromomethane	ND		5.0	0.21	ug/Kg			11/17/21 11:14	1
Dibromomethane	ND		5.0	0.58	ug/Kg			11/17/21 11:14	1
Dichlorodifluoromethane	ND		5.0	0.89	ug/Kg			11/17/21 11:14	1
Ethylbenzene	ND		5.0	0.34	ug/Kg			11/17/21 11:14	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.41	ug/Kg			11/17/21 11:14	1
Hexachlorobutadiene	ND		5.0	0.33	ug/Kg			11/17/21 11:14	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.68	ug/Kg			11/17/21 11:14	1
Isopropylbenzene	ND		5.0	0.52	ug/Kg			11/17/21 11:14	1
Methylene Chloride	ND		10	0.84	ug/Kg			11/17/21 11:14	1
Methyl tert-butyl ether	ND		10	0.60	ug/Kg			11/17/21 11:14	1
1,2,3-Trichlorobenzene	ND		5.0	0.75	ug/Kg			11/17/21 11:14	1
Naphthalene	ND		5.0	0.63	ug/Kg			11/17/21 11:14	1
1,2,4-Trichlorobenzene	ND		5.0	0.75	ug/Kg			11/17/21 11:14	1
n-Butylbenzene	ND		5.0	0.66	ug/Kg			11/17/21 11:14	1
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			11/17/21 11:14	1
N-Propylbenzene	ND		5.0	0.29	ug/Kg			11/17/21 11:14	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-543468/10
Matrix: Solid
Analysis Batch: 543468

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.44	ug/Kg			11/17/21 11:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	0.83	ug/Kg			11/17/21 11:14	1
4-Isopropyltoluene	ND		5.0	0.63	ug/Kg			11/17/21 11:14	1
sec-Butylbenzene	ND		5.0	0.75	ug/Kg			11/17/21 11:14	1
1,2,3-Trichloropropane	ND		5.0	0.76	ug/Kg			11/17/21 11:14	1
Styrene	ND		5.0	0.31	ug/Kg			11/17/21 11:14	1
1,2,4-Trimethylbenzene	ND		5.0	0.51	ug/Kg			11/17/21 11:14	1
trans-1,2-Dichloroethene	ND		5.0	0.38	ug/Kg			11/17/21 11:14	1
1,3,5-Trimethylbenzene	ND		5.0	0.35	ug/Kg			11/17/21 11:14	1
trans-1,3-Dichloropropene	ND		5.0	0.75	ug/Kg			11/17/21 11:14	1
tert-Butylbenzene	ND		5.0	0.54	ug/Kg			11/17/21 11:14	1
Tetrachloroethene	ND		5.0	0.61	ug/Kg			11/17/21 11:14	1
m-Xylene & p-Xylene	ND		5.0	0.81	ug/Kg			11/17/21 11:14	1
Toluene	ND		5.0	0.61	ug/Kg			11/17/21 11:14	1
o-Xylene	ND		5.0	0.33	ug/Kg			11/17/21 11:14	1
Xylenes, Total	ND		5.0	0.81	ug/Kg			11/17/21 11:14	1
Trichloroethene	ND		5.0	0.60	ug/Kg			11/17/21 11:14	1
Trichlorofluoromethane	ND		5.0	0.34	ug/Kg			11/17/21 11:14	1
Vinyl acetate	ND		10	0.69	ug/Kg			11/17/21 11:14	1
Vinyl chloride	ND		5.0	0.36	ug/Kg			11/17/21 11:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*63 - 143*		*11/17/21 11:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*32 - 156*		*11/17/21 11:14*	*1*
Toluene-d8 (Surr)	*99*		*63 - 138*		*11/17/21 11:14*	*1*
Dibromofluoromethane (Surr)	*96*		*55 - 129*		*11/17/21 11:14*	*1*

Lab Sample ID: LCS 320-543468/7
Matrix: Solid
Analysis Batch: 543468

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	50.0	46.5		ug/Kg		93	75 - 137
Ethylene Dibromide	50.0	47.8		ug/Kg		96	80 - 124
1,2-Dichlorobenzene	50.0	48.1		ug/Kg		96	68 - 121
1,3-Dichlorobenzene	50.0	46.8		ug/Kg		94	64 - 126
2-Butanone (MEK)	125	126		ug/Kg		101	71 - 142
1,4-Dichlorobenzene	50.0	46.5		ug/Kg		93	65 - 124
2-Chlorotoluene	50.0	46.9		ug/Kg		94	64 - 127
1,1-Dichloroethane	50.0	44.5		ug/Kg		89	76 - 134
4-Chlorotoluene	50.0	47.4		ug/Kg		95	67 - 128
1,2-Dichloroethane	50.0	47.3		ug/Kg		95	66 - 150
Acetone	125	133		ug/Kg		106	64 - 128
Benzene	50.0	44.7		ug/Kg		89	78 - 128
1,1-Dichloroethene	50.0	44.0		ug/Kg		88	66 - 136
Bromobenzene	50.0	48.7		ug/Kg		97	67 - 132
1,2-Dichloropropane	50.0	43.4		ug/Kg		87	80 - 129
Chlorobromomethane	50.0	46.2		ug/Kg		92	80 - 127

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-543468/7
Matrix: Solid
Analysis Batch: 543468

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichloropropane	50.0	46.7		ug/Kg		93	80 - 123
Dichlorobromomethane	50.0	47.9		ug/Kg		96	80 - 137
2,2-Dichloropropane	50.0	46.6		ug/Kg		93	69 - 153
Bromoform	50.0	50.0		ug/Kg		100	80 - 136
Bromomethane	50.0	44.7		ug/Kg		89	48 - 164
cis-1,2-Dichloroethene	50.0	45.2		ug/Kg		90	74 - 131
1,1-Dichloropropene	50.0	45.3		ug/Kg		91	76 - 132
cis-1,3-Dichloropropene	50.0	47.6		ug/Kg		95	80 - 134
Carbon disulfide	50.0	43.0		ug/Kg		86	52 - 145
Carbon tetrachloride	50.0	48.2		ug/Kg		96	62 - 154
2-Hexanone	125	123		ug/Kg		98	78 - 143
Chlorobenzene	50.0	46.7		ug/Kg		93	74 - 125
Chloroethane	50.0	41.9		ug/Kg		84	54 - 148
Chloroform	50.0	46.6		ug/Kg		93	78 - 135
4-Methyl-2-pentanone (MIBK)	125	121		ug/Kg		97	79 - 150
Chloromethane	50.0	37.3		ug/Kg		75	60 - 141
Chlorodibromomethane	50.0	50.7		ug/Kg		101	80 - 133
Dibromomethane	50.0	46.1		ug/Kg		92	80 - 129
Dichlorodifluoromethane	50.0	40.6		ug/Kg		81	60 - 130
Ethylbenzene	50.0	46.0		ug/Kg		92	72 - 125
1,1,1,2-Tetrachloroethane	50.0	49.2		ug/Kg		98	77 - 134
Hexachlorobutadiene	50.0	51.3		ug/Kg		103	52 - 140
1,1,2,2-Tetrachloroethane	50.0	45.8		ug/Kg		92	71 - 134
Isopropylbenzene	50.0	47.2		ug/Kg		94	69 - 137
Methylene Chloride	50.0	46.3		ug/Kg		93	77 - 125
Methyl tert-butyl ether	50.0	47.2		ug/Kg		94	66 - 146
1,2,3-Trichlorobenzene	50.0	49.4		ug/Kg		99	54 - 140
Naphthalene	50.0	46.6		ug/Kg		93	53 - 140
1,2,4-Trichlorobenzene	50.0	49.2		ug/Kg		98	48 - 145
n-Butylbenzene	50.0	47.5		ug/Kg		95	68 - 136
1,1,1-Trichloroethane	50.0	46.7		ug/Kg		93	67 - 150
N-Propylbenzene	50.0	46.9		ug/Kg		94	63 - 128
1,1,2-Trichloroethane	50.0	45.8		ug/Kg		92	80 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	43.1		ug/Kg		86	62 - 138
4-Isopropyltoluene	50.0	48.3		ug/Kg		97	64 - 137
sec-Butylbenzene	50.0	47.6		ug/Kg		95	68 - 131
1,2,3-Trichloropropane	50.0	46.7		ug/Kg		93	71 - 132
Styrene	50.0	46.8		ug/Kg		94	79 - 128
1,2,4-Trimethylbenzene	50.0	47.3		ug/Kg		95	64 - 137
trans-1,2-Dichloroethene	50.0	44.8		ug/Kg		90	67 - 135
1,3,5-Trimethylbenzene	50.0	47.4		ug/Kg		95	66 - 135
trans-1,3-Dichloropropene	50.0	47.7		ug/Kg		95	80 - 148
tert-Butylbenzene	50.0	48.4		ug/Kg		97	67 - 131
Tetrachloroethene	50.0	47.4		ug/Kg		95	65 - 135
m-Xylene & p-Xylene	50.0	45.5		ug/Kg		91	73 - 128
Toluene	50.0	45.3		ug/Kg		91	80 - 124
o-Xylene	50.0	46.4		ug/Kg		93	76 - 127
Xylenes, Total	100	91.9		ug/Kg		92	75 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-543468/7
Matrix: Solid
Analysis Batch: 543468

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Trichloroethene			50.0	46.1		ug/Kg		92	80 - 126		
Trichlorofluoromethane			50.0	44.9		ug/Kg		90	43 - 158		
Vinyl acetate			50.0	40.3		ug/Kg		81	39 - 160		
Vinyl chloride			50.0	40.2		ug/Kg		80	67 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*63 - 143*
1,2-Dichloroethane-d4 (Surr)	*94*		*32 - 156*
Toluene-d8 (Surr)	*97*		*63 - 138*
Dibromofluoromethane (Surr)	*95*		*55 - 129*

Lab Sample ID: LCSD 320-543468/8
Matrix: Solid
Analysis Batch: 543468

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			50.0	46.2		ug/Kg		92	75 - 137	1	48
Ethylene Dibromide			50.0	48.5		ug/Kg		97	80 - 124	1	39
1,2-Dichlorobenzene			50.0	48.4		ug/Kg		97	68 - 121	1	28
1,3-Dichlorobenzene			50.0	47.9		ug/Kg		96	64 - 126	2	41
2-Butanone (MEK)			125	127		ug/Kg		102	71 - 142	1	44
1,4-Dichlorobenzene			50.0	48.1		ug/Kg		96	65 - 124	3	38
2-Chlorotoluene			50.0	48.0		ug/Kg		96	64 - 127	2	41
1,1-Dichloroethane			50.0	45.1		ug/Kg		90	76 - 134	1	24
4-Chlorotoluene			50.0	48.5		ug/Kg		97	67 - 128	2	40
1,2-Dichloroethane			50.0	47.5		ug/Kg		95	66 - 150	1	36
Acetone			125	134		ug/Kg		107	64 - 128	1	36
Benzene			50.0	45.9		ug/Kg		92	78 - 128	3	37
1,1-Dichloroethene			50.0	45.9		ug/Kg		92	66 - 136	4	42
Bromobenzene			50.0	49.6		ug/Kg		99	67 - 132	2	40
1,2-Dichloropropane			50.0	43.3		ug/Kg		87	80 - 129	0	38
Chlorobromomethane			50.0	45.6		ug/Kg		91	80 - 127	1	36
1,3-Dichloropropane			50.0	48.3		ug/Kg		97	80 - 123	3	39
Dichlorobromomethane			50.0	48.4		ug/Kg		97	80 - 137	1	37
2,2-Dichloropropane			50.0	47.9		ug/Kg		96	69 - 153	3	47
Bromoform			50.0	50.4		ug/Kg		101	80 - 136	1	45
Bromomethane			50.0	45.9		ug/Kg		92	48 - 164	3	38
cis-1,2-Dichloroethene			50.0	45.2		ug/Kg		90	74 - 131	0	37
1,1-Dichloropropene			50.0	46.6		ug/Kg		93	76 - 132	3	38
cis-1,3-Dichloropropene			50.0	48.0		ug/Kg		96	80 - 134	1	39
Carbon disulfide			50.0	44.4		ug/Kg		89	52 - 145	3	46
Carbon tetrachloride			50.0	50.6		ug/Kg		101	62 - 154	5	43
2-Hexanone			125	125		ug/Kg		100	78 - 143	2	73
Chlorobenzene			50.0	48.3		ug/Kg		97	74 - 125	3	38
Chloroethane			50.0	45.8		ug/Kg		92	54 - 148	9	34
Chloroform			50.0	47.0		ug/Kg		94	78 - 135	1	23
4-Methyl-2-pentanone (MIBK)			125	125		ug/Kg		100	79 - 150	3	48
Chloromethane			50.0	39.4		ug/Kg		79	60 - 141	6	36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 320-543468/8
Matrix: Solid
Analysis Batch: 543468

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorodibromomethane			50.0	50.0		ug/Kg		100	80 - 133	1	24
Dibromomethane			50.0	45.2		ug/Kg		90	80 - 129	2	37
Dichlorodifluoromethane			50.0	41.6		ug/Kg		83	60 - 130	2	46
Ethylbenzene			50.0	47.7		ug/Kg		95	72 - 125	4	41
1,1,1,2-Tetrachloroethane			50.0	48.8		ug/Kg		98	77 - 134	1	25
Hexachlorobutadiene			50.0	54.4		ug/Kg		109	52 - 140	6	38
1,1,2,2-Tetrachloroethane			50.0	44.5		ug/Kg		89	71 - 134	3	31
Isopropylbenzene			50.0	48.9		ug/Kg		98	69 - 137	4	41
Methylene Chloride			50.0	47.8		ug/Kg		96	77 - 125	3	25
Methyl tert-butyl ether			50.0	46.0		ug/Kg		92	66 - 146	3	45
1,2,3-Trichlorobenzene			50.0	50.3		ug/Kg		101	54 - 140	2	42
Naphthalene			50.0	46.5		ug/Kg		93	53 - 140	0	46
1,2,4-Trichlorobenzene			50.0	50.9		ug/Kg		102	48 - 145	4	39
n-Butylbenzene			50.0	48.8		ug/Kg		98	68 - 136	3	37
1,1,1-Trichloroethane			50.0	49.1		ug/Kg		98	67 - 150	5	43
N-Propylbenzene			50.0	48.2		ug/Kg		96	63 - 128	3	42
1,1,2-Trichloroethane			50.0	45.4		ug/Kg		91	80 - 128	1	41
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	46.4		ug/Kg		93	62 - 138	7	22
4-Isopropyltoluene			50.0	50.1		ug/Kg		100	64 - 137	4	40
sec-Butylbenzene			50.0	49.7		ug/Kg		99	68 - 131	4	40
1,2,3-Trichloropropane			50.0	44.9		ug/Kg		90	71 - 132	4	41
Styrene			50.0	47.6		ug/Kg		95	79 - 128	2	40
1,2,4-Trimethylbenzene			50.0	48.7		ug/Kg		97	64 - 137	3	41
trans-1,2-Dichloroethene			50.0	45.5		ug/Kg		91	67 - 135	2	37
1,3,5-Trimethylbenzene			50.0	49.1		ug/Kg		98	66 - 135	4	42
trans-1,3-Dichloropropene			50.0	47.9		ug/Kg		96	80 - 148	0	42
tert-Butylbenzene			50.0	50.8		ug/Kg		102	67 - 131	5	42
Tetrachloroethene			50.0	49.7		ug/Kg		99	65 - 135	5	39
m-Xylene & p-Xylene			50.0	47.0		ug/Kg		94	73 - 128	3	40
Toluene			50.0	47.1		ug/Kg		94	80 - 124	4	39
o-Xylene			50.0	48.1		ug/Kg		96	76 - 127	4	40
Xylenes, Total			100	95.1		ug/Kg		95	75 - 122	3	15
Trichloroethene			50.0	47.9		ug/Kg		96	80 - 126	4	40
Trichlorofluoromethane			50.0	48.0		ug/Kg		96	43 - 158	7	32
Vinyl acetate			50.0	38.0		ug/Kg		76	39 - 160	6	50
Vinyl chloride			50.0	41.1		ug/Kg		82	67 - 127	2	37

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*63 - 143*
1,2-Dichloroethane-d4 (Surr)	*96*		*32 - 156*
Toluene-d8 (Surr)	*99*		*63 - 138*
Dibromofluoromethane (Surr)	*97*		*55 - 129*

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 320-540739/10
Matrix: Solid
Analysis Batch: 540739

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.50	0.050	mg/Kg			11/07/21 13:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 131*		*11/07/21 13:00*	*1*

Lab Sample ID: LCS 320-540739/5
Matrix: Solid
Analysis Batch: 540739

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C4-C12			1.00	0.891		mg/Kg		89	79 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 131*

Lab Sample ID: LCSD 320-540739/6
Matrix: Solid
Analysis Batch: 540739

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C4-C12			1.00	1.09		mg/Kg		109	79 - 123	21	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 131*

Lab Sample ID: MB 320-542094/10
Matrix: Solid
Analysis Batch: 542094

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.50	0.050	mg/Kg			11/12/21 09:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 131*		*11/12/21 09:09*	*1*

Lab Sample ID: LCS 320-542094/4
Matrix: Solid
Analysis Batch: 542094

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C4-C12			1.00	0.889		mg/Kg		89	79 - 123		

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 320-542094/4
Matrix: Solid
Analysis Batch: 542094

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 131*

Lab Sample ID: LCSD 320-542094/5
Matrix: Solid
Analysis Batch: 542094

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C4-C12			1.00	1.05		mg/Kg		105	79 - 123	16	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 131*

Lab Sample ID: MB 320-542726/11
Matrix: Solid
Analysis Batch: 542726

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.50	0.050	mg/Kg			11/15/21 10:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 131*		*11/15/21 10:22*	*1*

Lab Sample ID: LCS 320-542726/4
Matrix: Solid
Analysis Batch: 542726

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C4-C12			1.00	0.952		mg/Kg		95	79 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 131*

Lab Sample ID: LCSD 320-542726/5
Matrix: Solid
Analysis Batch: 542726

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C4-C12			1.00	0.968		mg/Kg		97	79 - 123	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 131*

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 320-543469/10
Matrix: Solid
Analysis Batch: 543469

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.50	0.050	mg/Kg			11/17/21 11:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 131*		*11/17/21 11:14*	*1*

Lab Sample ID: LCS 320-543469/4
Matrix: Solid
Analysis Batch: 543469

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C4-C12	1.00	0.889		mg/Kg		89	79 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 131*

Lab Sample ID: LCSD 320-543469/5
Matrix: Solid
Analysis Batch: 543469

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C4-C12	1.00	0.971		mg/Kg		97	79 - 123	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 131*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 320-540321/1-A
Matrix: Water
Analysis Batch: 541288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 540321

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50	16	ug/L		11/05/21 12:43	11/09/21 11:59	1
Motor Oil Range Organics [C28-C40]	ND		500	170	ug/L		11/05/21 12:43	11/09/21 11:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*72*		*56 - 145*	*11/05/21 12:43*	*11/09/21 11:59*	*1*

Lab Sample ID: LCS 320-540321/2-A
Matrix: Water
Analysis Batch: 541288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540321

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	300	300		ug/L		100	53 - 123

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 320-540321/2-A
Matrix: Water
Analysis Batch: 541288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540321

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl (Surr)	78		56 - 145

Lab Sample ID: LCSD 320-540321/3-A
Matrix: Water
Analysis Batch: 541288

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 540321

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			300	290		ug/L		97	53 - 123	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl (Surr)	78		56 - 145

Lab Sample ID: MB 320-540584/1-A
Matrix: Solid
Analysis Batch: 541889

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 540584

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		11/06/21 09:57	11/11/21 17:21	1
Motor Oil Range Organics [C24-C36]	ND		5.0		mg/Kg		11/06/21 09:57	11/11/21 17:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	64		51 - 111	11/06/21 09:57	11/11/21 17:21	1

Lab Sample ID: LCS 320-540584/2-A
Matrix: Solid
Analysis Batch: 541889

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540584

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]			10.0	8.75		mg/Kg		88	57 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl (Surr)	70		51 - 111

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 320-541359/1-A
Matrix: Solid
Analysis Batch: 544089

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541359

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
4,4'-DDE	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
4,4'-DDT	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Aldrin	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
alpha-BHC	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
cis-Chlordane	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 320-541359/1-A
Matrix: Solid
Analysis Batch: 544089

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541359

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Chlordane (technical)	ND		20		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
delta-BHC	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Dieldrin	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Endosulfan I	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Endosulfan II	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Endosulfan sulfate	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Endrin	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Endrin aldehyde	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Endrin ketone	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
trans-Chlordane	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
gamma-BHC (Lindane)	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Heptachlor	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Heptachlor epoxide	ND		1.7		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Methoxychlor	ND		3.4		ug/Kg		11/09/21 14:45	11/19/21 13:40	1
Toxaphene	ND		67		ug/Kg		11/09/21 14:45	11/19/21 13:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*46 - 109*	*11/09/21 14:45*	*11/19/21 13:40*	*1*
DCB Decachlorobiphenyl	*90*		*46 - 109*	*11/09/21 14:45*	*11/19/21 13:40*	*1*
Tetrachloro-m-xylene	*76*		*47 - 107*	*11/09/21 14:45*	*11/19/21 13:40*	*1*
Tetrachloro-m-xylene	*72*		*47 - 107*	*11/09/21 14:45*	*11/19/21 13:40*	*1*

Lab Sample ID: LCS 320-541359/2-A
Matrix: Solid
Analysis Batch: 544089

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541359

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	13.0		ug/Kg		78	53 - 117
4,4'-DDE	16.7	13.4		ug/Kg		80	58 - 115
4,4'-DDT	16.7	14.3		ug/Kg		86	53 - 128
Aldrin	16.7	13.0		ug/Kg		78	55 - 109
alpha-BHC	16.7	13.1		ug/Kg		78	54 - 111
cis-Chlordane	16.7	12.4		ug/Kg		75	54 - 113
beta-BHC	16.7	12.8		ug/Kg		77	53 - 115
delta-BHC	16.7	13.0		ug/Kg		78	39 - 124
Dieldrin	16.7	13.2		ug/Kg		79	54 - 117
Endosulfan I	16.7	11.1		ug/Kg		66	42 - 118
Endosulfan II	16.7	12.5		ug/Kg		75	48 - 118
Endosulfan sulfate	16.7	14.0		ug/Kg		84	51 - 113
Endrin	16.7	13.4		ug/Kg		80	58 - 115
Endrin aldehyde	16.7	12.8		ug/Kg		77	40 - 100
Endrin ketone	16.7	13.3		ug/Kg		80	51 - 118
trans-Chlordane	16.7	12.2		ug/Kg		73	55 - 114
gamma-BHC (Lindane)	16.7	13.1		ug/Kg		78	54 - 112
Heptachlor	16.7	12.8		ug/Kg		77	50 - 118
Heptachlor epoxide	16.7	12.7		ug/Kg		76	56 - 113
Methoxychlor	16.7	14.1		ug/Kg		84	52 - 123

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 320-541359/2-A
Matrix: Solid
Analysis Batch: 544089

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541359

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	52		46 - 109
Tetrachloro-m-xylene	77		47 - 107

Lab Sample ID: MB 320-542445/1-A
Matrix: Solid
Analysis Batch: 545312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 542445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.23	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
4,4'-DDE	ND		1.7	0.21	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
Aldrin	ND		1.7	0.14	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
alpha-BHC	ND		1.7	0.16	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
cis-Chlordane	ND		1.7	0.18	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
beta-BHC	ND		1.7	0.22	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
Chlordane (technical)	ND		20	9.4	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
delta-BHC	ND		1.7	0.35	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
Dieldrin	ND		1.7	0.20	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
Endosulfan I	ND		1.7	0.18	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
Endosulfan II	ND		1.7	0.18	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
Endosulfan sulfate	ND		1.7	0.35	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
Endrin	ND		1.7	0.20	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
Endrin aldehyde	ND		1.7	0.57	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
Endrin ketone	ND		1.7	0.27	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
trans-Chlordane	ND		1.7	0.60	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
gamma-BHC (Lindane)	ND		1.7	0.14	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
Heptachlor	ND		1.7	0.15	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
Heptachlor epoxide	ND		1.7	0.18	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
Methoxychlor	ND		3.4	0.56	ug/Kg		11/13/21 08:25	11/23/21 14:49	1
Toxaphene	ND		67	22	ug/Kg		11/13/21 08:25	11/23/21 14:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	81		46 - 109	11/13/21 08:25	11/23/21 14:49	1
DCB Decachlorobiphenyl	76		46 - 109	11/13/21 08:25	11/23/21 14:49	1
Tetrachloro-m-xylene	78		47 - 107	11/13/21 08:25	11/23/21 14:49	1
Tetrachloro-m-xylene	71		47 - 107	11/13/21 08:25	11/23/21 14:49	1

Lab Sample ID: LCS 320-542445/2-A
Matrix: Solid
Analysis Batch: 545312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 542445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	14.8		ug/Kg		89	53 - 117
4,4'-DDE	16.7	14.0		ug/Kg		84	58 - 115
4,4'-DDT	16.7	14.8		ug/Kg		89	53 - 128
Aldrin	16.7	12.7		ug/Kg		76	55 - 109
alpha-BHC	16.7	13.4		ug/Kg		80	54 - 111
cis-Chlordane	16.7	12.8		ug/Kg		77	54 - 113

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 320-542445/2-A
Matrix: Solid
Analysis Batch: 545312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 542445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
beta-BHC	16.7	13.6		ug/Kg		81	53 - 115
delta-BHC	16.7	13.6		ug/Kg		81	39 - 124
Dieldrin	16.7	13.3		ug/Kg		80	54 - 117
Endosulfan I	16.7	11.5		ug/Kg		69	42 - 118
Endosulfan II	16.7	12.7		ug/Kg		76	48 - 118
Endosulfan sulfate	16.7	13.5		ug/Kg		81	51 - 113
Endrin	16.7	13.4		ug/Kg		80	58 - 115
Endrin aldehyde	16.7	12.9		ug/Kg		78	40 - 100
Endrin ketone	16.7	13.3		ug/Kg		80	51 - 118
trans-Chlordane	16.7	13.1		ug/Kg		78	55 - 114
gamma-BHC (Lindane)	16.7	13.7		ug/Kg		82	54 - 112
Heptachlor	16.7	13.4		ug/Kg		81	50 - 118
Heptachlor epoxide	16.7	13.0		ug/Kg		78	56 - 113
Methoxychlor	16.7	14.0		ug/Kg		84	52 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*82*		*46 - 109*
Tetrachloro-m-xylene	*74*		*47 - 107*

Lab Sample ID: LCS 320-542445/3-A
Matrix: Solid
Analysis Batch: 545312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 542445

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*46 - 109*
Tetrachloro-m-xylene	*68*		*47 - 107*

Lab Sample ID: 320-81134-1 MS
Matrix: Solid
Analysis Batch: 545312

Client Sample ID: AOC1-S9A-0.5
Prep Type: Total/NA
Prep Batch: 542445

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND	F1	15.7	9.93	J	ug/Kg		63	53 - 117
4,4'-DDE	ND	F1	15.7	9.46	J	ug/Kg		60	58 - 115
4,4'-DDT	ND	F1	15.7	8.20	J F1	ug/Kg		52	53 - 128
Aldrin	ND	F1	15.7	8.21	J F1	ug/Kg		52	55 - 109
alpha-BHC	ND	F1	15.7	9.25	J	ug/Kg		59	54 - 111
cis-Chlordane	ND	F1	15.7	8.13	J F1	ug/Kg		52	54 - 113
beta-BHC	ND	F2 F1	15.7	11.0	J	ug/Kg		70	53 - 115
delta-BHC	ND		15.7	8.50	J	ug/Kg		54	39 - 124
Dieldrin	ND	F1	15.7	8.04	J F1	ug/Kg		51	54 - 117
Endosulfan I	ND	F1	15.7	5.89	J F1	ug/Kg		37	42 - 118
Endosulfan II	ND	F1	15.7	6.69	J F1	ug/Kg		43	48 - 118
Endosulfan sulfate	ND	F1	15.7	6.65	J F1	ug/Kg		42	51 - 113
Endrin	ND	F1	15.7	8.03	J F1	ug/Kg		51	58 - 115
Endrin aldehyde	ND	F1	15.7	ND	F1	ug/Kg		0	40 - 100
Endrin ketone	ND	F1	15.7	7.91	J F1	ug/Kg		50	51 - 118
trans-Chlordane	ND	F2	15.7	9.18	J	ug/Kg		58	55 - 114

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 320-81134-1 MS
Matrix: Solid
Analysis Batch: 545312

Client Sample ID: AOC1-S9A-0.5
Prep Type: Total/NA
Prep Batch: 542445

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-BHC (Lindane)	ND	F1	15.7	9.87	J	ug/Kg		63	54 - 112
Heptachlor	ND	F1	15.7	8.93	J	ug/Kg		57	50 - 118
Heptachlor epoxide	ND	F1	15.7	8.72	J F1	ug/Kg		55	56 - 113
Methoxychlor	ND	F1	15.7	ND	F1	ug/Kg		0	52 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*10*	*p S1-*	*46 - 109*
Tetrachloro-m-xylene	*46*	*S1-*	*47 - 107*

Lab Sample ID: 320-81134-1 MSD
Matrix: Solid
Analysis Batch: 545312

Client Sample ID: AOC1-S9A-0.5
Prep Type: Total/NA
Prep Batch: 542445

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND	F1	16.3	8.40	J F1	ug/Kg		52	53 - 117	17	30
4,4'-DDE	ND	F1	16.3	7.29	J F1	ug/Kg		45	58 - 115	26	30
4,4'-DDT	ND	F1	16.3	7.26	J F1	ug/Kg		45	53 - 128	12	30
Aldrin	ND	F1	16.3	6.74	J F1	ug/Kg		41	55 - 109	20	30
alpha-BHC	ND	F1	16.3	8.08	J F1	ug/Kg		50	54 - 111	13	30
cis-Chlordane	ND	F1	16.3	6.81	J F1	ug/Kg		42	54 - 113	18	30
beta-BHC	ND	F2 F1	16.3	7.61	J F1 F2	ug/Kg		47	53 - 115	37	30
delta-BHC	ND		16.3	6.54	J	ug/Kg		40	39 - 124	26	30
Dieldrin	ND	F1	16.3	6.43	J F1	ug/Kg		40	54 - 117	22	30
Endosulfan I	ND	F1	16.3	4.81	J F1	ug/Kg		30	42 - 118	20	30
Endosulfan II	ND	F1	16.3	5.55	J F1	ug/Kg		34	48 - 118	19	30
Endosulfan sulfate	ND	F1	16.3	4.91	J F1	ug/Kg		30	51 - 113	30	30
Endrin	ND	F1	16.3	6.64	J F1	ug/Kg		41	58 - 115	19	30
Endrin aldehyde	ND	F1	16.3	ND	F1	ug/Kg		0	40 - 100	NC	30
Endrin ketone	ND	F1	16.3	6.46	J F1	ug/Kg		40	51 - 118	20	30
trans-Chlordane	ND	F2	16.3	17.6	F2	ug/Kg		108	55 - 114	63	30
gamma-BHC (Lindane)	ND	F1	16.3	8.04	J F1	ug/Kg		49	54 - 112	20	30
Heptachlor	ND	F1	16.3	7.44	J F1	ug/Kg		46	50 - 118	18	30
Heptachlor epoxide	ND	F1	16.3	7.24	J F1	ug/Kg		45	56 - 113	18	30
Methoxychlor	ND	F1	16.3	ND	F1	ug/Kg		0	52 - 123	NC	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*30*	*p S1-*	*46 - 109*
Tetrachloro-m-xylene	*36*	*p S1-*	*47 - 107*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 320-540241/1-A
Matrix: Water
Analysis Batch: 543549

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 540241

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.075	ug/L		11/05/21 09:42	11/17/21 20:28	1
PCB-1221	ND		0.50	0.27	ug/L		11/05/21 09:42	11/17/21 20:28	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 320-540241/1-A
Matrix: Water
Analysis Batch: 543549

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 540241

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		0.50	0.080	ug/L		11/05/21 09:42	11/17/21 20:28	1
PCB-1242	ND		0.50	0.13	ug/L		11/05/21 09:42	11/17/21 20:28	1
PCB-1248	ND		0.50	0.12	ug/L		11/05/21 09:42	11/17/21 20:28	1
PCB-1254	ND		0.50	0.095	ug/L		11/05/21 09:42	11/17/21 20:28	1
PCB-1260	ND		0.50	0.11	ug/L		11/05/21 09:42	11/17/21 20:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*29 - 128*	*11/05/21 09:42*	*11/17/21 20:28*	*1*

Lab Sample ID: LCS 320-540241/2-A
Matrix: Water
Analysis Batch: 543549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540241

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			2.00	1.85		ug/L		92	63 - 114		
PCB-1260			2.00	1.74		ug/L		87	64 - 114		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*70*		*29 - 128*

Lab Sample ID: LCSD 320-540241/3-A
Matrix: Water
Analysis Batch: 543549

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 540241

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016			2.00	1.80		ug/L		90	63 - 114	2	30
PCB-1260			2.00	1.70		ug/L		85	64 - 114	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*72*		*29 - 128*

Lab Sample ID: MB 320-541564/1-A
Matrix: Solid
Analysis Batch: 543196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541564

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.6	ug/Kg		11/10/21 10:54	11/16/21 13:51	1
PCB-1221	ND		33	3.6	ug/Kg		11/10/21 10:54	11/16/21 13:51	1
PCB-1232	ND		33	4.8	ug/Kg		11/10/21 10:54	11/16/21 13:51	1
PCB-1242	ND		33	5.9	ug/Kg		11/10/21 10:54	11/16/21 13:51	1
PCB-1248	ND		33	2.4	ug/Kg		11/10/21 10:54	11/16/21 13:51	1
PCB-1254	ND		33	3.8	ug/Kg		11/10/21 10:54	11/16/21 13:51	1
PCB-1260	ND		33	2.7	ug/Kg		11/10/21 10:54	11/16/21 13:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*52 - 138*	*11/10/21 10:54*	*11/16/21 13:51*	*1*
Tetrachloro-m-xylene	*65*		*56 - 114*	*11/10/21 10:54*	*11/16/21 13:51*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 320-541564/2-A
Matrix: Solid
Analysis Batch: 543196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541564

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			66.7	57.3		ug/Kg		86	58 - 124		
PCB-1260			66.7	53.6		ug/Kg		80	55 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*79*		*52 - 138*
Tetrachloro-m-xylene	*80*		*56 - 114*

Lab Sample ID: MB 320-542456/1-A
Matrix: Solid
Analysis Batch: 544127

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 542456

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.6	ug/Kg		11/13/21 08:43	11/20/21 06:34	1
PCB-1221	ND		33	3.6	ug/Kg		11/13/21 08:43	11/20/21 06:34	1
PCB-1232	ND		33	4.8	ug/Kg		11/13/21 08:43	11/20/21 06:34	1
PCB-1242	ND		33	5.9	ug/Kg		11/13/21 08:43	11/20/21 06:34	1
PCB-1248	ND		33	2.4	ug/Kg		11/13/21 08:43	11/20/21 06:34	1
PCB-1254	ND		33	3.8	ug/Kg		11/13/21 08:43	11/20/21 06:34	1
PCB-1260	ND		33	2.7	ug/Kg		11/13/21 08:43	11/20/21 06:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*52 - 138*	*11/13/21 08:43*	*11/20/21 06:34*	*1*
Tetrachloro-m-xylene	*71*		*56 - 114*	*11/13/21 08:43*	*11/20/21 06:34*	*1*

Lab Sample ID: LCS 320-542456/2-A
Matrix: Solid
Analysis Batch: 544127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 542456

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			66.7	68.3		ug/Kg		102	58 - 124		
PCB-1260			66.7	70.3		ug/Kg		106	55 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*106*		*52 - 138*
Tetrachloro-m-xylene	*91*		*56 - 114*

Lab Sample ID: 320-81134-2 MS
Matrix: Solid
Analysis Batch: 544127

Client Sample ID: AOC1-S9A-0.5 DUP
Prep Type: Total/NA
Prep Batch: 542456

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND	F2	63.4	49.8		ug/Kg		79	58 - 124		
PCB-1260	ND		63.4	46.8		ug/Kg		74	55 - 138		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*103*		*52 - 138*
Tetrachloro-m-xylene	*82*		*56 - 114*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 320-81134-2 MSD
Matrix: Solid
Analysis Batch: 544127

Client Sample ID: AOC1-S9A-0.5 DUP
Prep Type: Total/NA
Prep Batch: 542456

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND	F2	65.1	40.5	F2	ug/Kg		62	58 - 124	21	20
PCB-1260	ND		65.1	39.8		ug/Kg		61	55 - 138	16	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*52 - 138*
Tetrachloro-m-xylene	*66*		*56 - 114*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-194147/1-A
Matrix: Water
Analysis Batch: 194363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 194147

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.010	0.0058	mg/L		11/14/21 11:09	11/15/21 14:26	1
Arsenic	ND		0.10	0.022	mg/L		11/14/21 11:09	11/15/21 14:26	1
Barium	ND		0.010	0.0016	mg/L		11/14/21 11:09	11/15/21 14:26	1
Beryllium	ND		0.010	0.0026	mg/L		11/14/21 11:09	11/15/21 14:26	1
Cadmium	ND		0.010	0.0012	mg/L		11/14/21 11:09	11/15/21 14:26	1
Cobalt	ND		0.050	0.0023	mg/L		11/14/21 11:09	11/15/21 14:26	1
Chromium	ND		0.050	0.0086	mg/L		11/14/21 11:09	11/15/21 14:26	1
Copper	ND		0.050	0.0085	mg/L		11/14/21 11:09	11/15/21 14:26	1
Molybdenum	ND		0.050	0.024	mg/L		11/14/21 11:09	11/15/21 14:26	1
Nickel	ND		0.050	0.0045	mg/L		11/14/21 11:09	11/15/21 14:26	1
Antimony	ND		0.10	0.021	mg/L		11/14/21 11:09	11/15/21 14:26	1
Selenium	ND		0.10	0.034	mg/L		11/14/21 11:09	11/15/21 14:26	1
Thallium	ND		0.050	0.019	mg/L		11/14/21 11:09	11/15/21 14:26	1
Vanadium	ND		0.010	0.0017	mg/L		11/14/21 11:09	11/15/21 14:26	1
Zinc	ND		0.25	0.014	mg/L		11/14/21 11:09	11/15/21 14:26	1
Lead	ND		0.050	0.0080	mg/L		11/14/21 11:09	11/15/21 14:26	1

Lab Sample ID: LCS 570-194147/2-A
Matrix: Water
Analysis Batch: 194363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 194147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.250	0.230		mg/L		92	80 - 120
Arsenic	0.500	0.471		mg/L		94	80 - 120
Barium	0.500	0.547		mg/L		109	80 - 120
Beryllium	0.500	0.494		mg/L		99	80 - 120
Cadmium	0.500	0.508		mg/L		102	80 - 120
Cobalt	0.500	0.502		mg/L		100	80 - 120
Chromium	0.500	0.506		mg/L		101	80 - 120
Copper	0.500	0.534		mg/L		107	80 - 120
Molybdenum	0.501	0.483		mg/L		97	80 - 120
Nickel	0.500	0.524		mg/L		105	80 - 120
Antimony	0.500	0.490		mg/L		98	80 - 120
Selenium	0.500	0.459		mg/L		92	80 - 120
Thallium	0.500	0.490		mg/L		98	80 - 120

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

Lab Sample ID: LCS 570-194147/2-A
Matrix: Water
Analysis Batch: 194363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 194147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	0.500	0.514		mg/L		103	80 - 120
Zinc	0.500	0.513		mg/L		103	80 - 120
Lead	0.500	0.528		mg/L		106	80 - 120

Lab Sample ID: LCSD 570-194147/3-A
Matrix: Water
Analysis Batch: 194363

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 194147

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	0.250	0.230		mg/L		92	80 - 120	0	20
Arsenic	0.500	0.475		mg/L		95	80 - 120	1	20
Barium	0.500	0.544		mg/L		109	80 - 120	0	20
Beryllium	0.500	0.493		mg/L		99	80 - 120	0	20
Cadmium	0.500	0.510		mg/L		102	80 - 120	0	20
Cobalt	0.500	0.504		mg/L		101	80 - 120	0	20
Chromium	0.500	0.504		mg/L		101	80 - 120	0	20
Copper	0.500	0.532		mg/L		106	80 - 120	0	20
Molybdenum	0.501	0.495		mg/L		99	80 - 120	2	20
Nickel	0.500	0.524		mg/L		105	80 - 120	0	20
Antimony	0.500	0.491		mg/L		98	80 - 120	0	20
Selenium	0.500	0.486		mg/L		97	80 - 120	6	20
Thallium	0.500	0.491		mg/L		98	80 - 120	0	20
Vanadium	0.500	0.513		mg/L		103	80 - 120	0	20
Zinc	0.500	0.514		mg/L		103	80 - 120	0	20
Lead	0.500	0.529		mg/L		106	80 - 120	0	20

Lab Sample ID: MB 320-539968/1-A
Matrix: Solid
Analysis Batch: 540856

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539968

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.06	J	2.0	0.94	mg/Kg		11/04/21 13:39	11/05/21 12:35	1

Lab Sample ID: MB 320-539968/1-A
Matrix: Solid
Analysis Batch: 541471

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539968

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.090	mg/Kg		11/04/21 13:39	11/09/21 14:28	1
Barium	ND		1.0	0.12	mg/Kg		11/04/21 13:39	11/09/21 14:28	1
Beryllium	ND		0.20	0.030	mg/Kg		11/04/21 13:39	11/09/21 14:28	1
Cadmium	ND		0.20	0.030	mg/Kg		11/04/21 13:39	11/09/21 14:28	1
Cobalt	ND		0.50	0.25	mg/Kg		11/04/21 13:39	11/09/21 14:28	1
Chromium	ND		0.50	0.14	mg/Kg		11/04/21 13:39	11/09/21 14:28	1
Copper	ND		1.5	0.22	mg/Kg		11/04/21 13:39	11/09/21 14:28	1
Molybdenum	ND		2.0	0.75	mg/Kg		11/04/21 13:39	11/09/21 14:28	1
Nickel	ND		1.0	0.24	mg/Kg		11/04/21 13:39	11/09/21 14:28	1
Lead	ND		1.0	0.26	mg/Kg		11/04/21 13:39	11/09/21 14:28	1
Selenium	ND		2.0	1.4	mg/Kg		11/04/21 13:39	11/09/21 14:28	1

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

Lab Sample ID: MB 320-539968/1-A
Matrix: Solid
Analysis Batch: 541471

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539968

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		2.0	0.84	mg/Kg		11/04/21 13:39	11/09/21 14:28	1
Vanadium	ND		0.50	0.19	mg/Kg		11/04/21 13:39	11/09/21 14:28	1
Zinc	ND		2.0	0.19	mg/Kg		11/04/21 13:39	11/09/21 14:28	1
Arsenic	ND		2.0	1.3	mg/Kg		11/04/21 13:39	11/09/21 14:28	1

Lab Sample ID: LCS 320-539968/2-A
Matrix: Solid
Analysis Batch: 540856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539968

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	41.5		mg/Kg		83	80 - 120

Lab Sample ID: LCS 320-539968/2-A
Matrix: Solid
Analysis Batch: 541471

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539968

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	5.05	4.26		mg/Kg		84	80 - 120
Barium	50.0	44.8		mg/Kg		90	80 - 120
Beryllium	25.0	21.8		mg/Kg		87	80 - 120
Cadmium	25.0	22.0		mg/Kg		88	80 - 120
Cobalt	25.0	22.5		mg/Kg		90	80 - 120
Chromium	25.0	22.2		mg/Kg		89	80 - 120
Copper	25.0	22.0		mg/Kg		88	80 - 120
Molybdenum	25.0	22.4		mg/Kg		90	80 - 120
Nickel	25.0	21.9		mg/Kg		87	80 - 120
Lead	25.0	22.4		mg/Kg		90	80 - 120
Selenium	50.0	42.0		mg/Kg		84	80 - 120
Thallium	50.0	45.3		mg/Kg		91	80 - 120
Vanadium	25.0	22.1		mg/Kg		88	80 - 120
Zinc	49.9	45.0		mg/Kg		90	80 - 120
Arsenic	50.0	42.3		mg/Kg		85	80 - 120

Lab Sample ID: MB 320-541299/1-A
Matrix: Solid
Analysis Batch: 541574

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541299

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.090	mg/Kg		11/09/21 13:20	11/10/21 10:25	1
Barium	ND		1.0	0.12	mg/Kg		11/09/21 13:20	11/10/21 10:25	1
Beryllium	ND		0.20	0.030	mg/Kg		11/09/21 13:20	11/10/21 10:25	1
Cadmium	ND		0.20	0.030	mg/Kg		11/09/21 13:20	11/10/21 10:25	1
Cobalt	ND		0.50	0.25	mg/Kg		11/09/21 13:20	11/10/21 10:25	1
Chromium	ND		0.50	0.14	mg/Kg		11/09/21 13:20	11/10/21 10:25	1
Copper	0.421	J	1.5	0.22	mg/Kg		11/09/21 13:20	11/10/21 10:25	1
Molybdenum	ND		2.0	0.75	mg/Kg		11/09/21 13:20	11/10/21 10:25	1
Nickel	ND		1.0	0.24	mg/Kg		11/09/21 13:20	11/10/21 10:25	1
Lead	ND		1.0	0.26	mg/Kg		11/09/21 13:20	11/10/21 10:25	1
Selenium	ND		2.0	1.4	mg/Kg		11/09/21 13:20	11/10/21 10:25	1

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

Lab Sample ID: MB 320-541299/1-A
Matrix: Solid
Analysis Batch: 541574

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 541299

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0	0.94	mg/Kg		11/09/21 13:20	11/10/21 10:25	1
Thallium	ND		2.0	0.84	mg/Kg		11/09/21 13:20	11/10/21 10:25	1
Vanadium	ND		0.50	0.19	mg/Kg		11/09/21 13:20	11/10/21 10:25	1
Zinc	ND		2.0	0.19	mg/Kg		11/09/21 13:20	11/10/21 10:25	1
Arsenic	ND		2.0	1.3	mg/Kg		11/09/21 13:20	11/10/21 10:25	1

Lab Sample ID: LCS 320-541299/2-A
Matrix: Solid
Analysis Batch: 541574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 541299

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	5.05	4.35		mg/Kg		86	80 - 120
Barium	50.0	46.4		mg/Kg		93	80 - 120
Beryllium	25.0	22.9		mg/Kg		92	80 - 120
Cadmium	25.0	23.5		mg/Kg		94	80 - 120
Cobalt	25.0	23.1		mg/Kg		93	80 - 120
Chromium	25.0	22.6		mg/Kg		90	80 - 120
Copper	25.0	23.9		mg/Kg		95	80 - 120
Molybdenum	25.0	23.4		mg/Kg		93	80 - 120
Nickel	25.0	23.2		mg/Kg		93	80 - 120
Lead	25.0	23.5		mg/Kg		94	80 - 120
Selenium	50.0	45.4		mg/Kg		91	80 - 120
Antimony	50.0	46.1		mg/Kg		92	80 - 120
Thallium	50.0	43.4		mg/Kg		87	80 - 120
Vanadium	25.0	23.3		mg/Kg		93	80 - 120
Zinc	49.9	47.6		mg/Kg		95	80 - 120
Arsenic	50.0	45.2		mg/Kg		90	80 - 120

Lab Sample ID: 320-81134-1 MS
Matrix: Solid
Analysis Batch: 541574

Client Sample ID: AOC1-S9A-0.5
Prep Type: Total/NA
Prep Batch: 541299

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.10	J	5.00	4.43		mg/Kg		87	80 - 120
Barium	79	F1	49.5	116	F1	mg/Kg		74	80 - 120
Beryllium	0.39		24.8	22.5		mg/Kg		89	80 - 120
Cadmium	0.23		24.8	23.0		mg/Kg		92	80 - 120
Cobalt	6.2		24.8	28.2		mg/Kg		89	80 - 120
Chromium	28		24.8	52.9		mg/Kg		101	80 - 120
Copper	15	B	24.7	35.4		mg/Kg		84	80 - 120
Molybdenum	ND		24.8	22.6		mg/Kg		91	80 - 120
Nickel	25		24.8	47.4		mg/Kg		90	80 - 120
Lead	60		24.8	81.0		mg/Kg		85	80 - 120
Selenium	ND		49.5	45.4		mg/Kg		92	80 - 120
Antimony	10	F1	49.5	37.5	F1	mg/Kg		55	80 - 120
Thallium	0.84	J	49.5	42.8		mg/Kg		86	80 - 120
Vanadium	24		24.8	49.0		mg/Kg		100	80 - 120
Zinc	68	F1	49.4	105	F1	mg/Kg		73	80 - 120
Arsenic	5.1		49.5	49.0		mg/Kg		89	80 - 120

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

Lab Sample ID: 320-81134-1 MSD
Matrix: Solid
Analysis Batch: 541574

Client Sample ID: AOC1-S9A-0.5
Prep Type: Total/NA
Prep Batch: 541299

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	0.10	J	4.90	4.27		mg/Kg		85	80 - 120	4	35
Barium	79	F1	48.5	115	F1	mg/Kg		73	80 - 120	1	35
Beryllium	0.39		24.3	21.8		mg/Kg		88	80 - 120	3	35
Cadmium	0.23		24.3	22.4		mg/Kg		91	80 - 120	3	35
Cobalt	6.2		24.3	28.0		mg/Kg		90	80 - 120	1	35
Chromium	28		24.3	51.9		mg/Kg		100	80 - 120	2	35
Copper	15	B	24.3	36.2		mg/Kg		89	80 - 120	2	35
Molybdenum	ND		24.3	21.9		mg/Kg		90	80 - 120	3	35
Nickel	25		24.3	48.2		mg/Kg		96	80 - 120	2	35
Lead	60		24.3	82.0		mg/Kg		91	80 - 120	1	35
Selenium	ND		48.6	44.3		mg/Kg		91	80 - 120	2	35
Antimony	10	F1	48.5	37.9	F1	mg/Kg		58	80 - 120	1	35
Thallium	0.84	J	48.5	41.9		mg/Kg		86	80 - 120	2	35
Vanadium	24		24.3	50.6		mg/Kg		109	80 - 120	3	35
Zinc	68	F1	48.4	103	F1	mg/Kg		72	80 - 120	1	35
Arsenic	5.1		48.5	47.4		mg/Kg		87	80 - 120	3	35

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 570-194150/1-A
Matrix: Water
Analysis Batch: 194318

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 194150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00050	0.00014	mg/L		11/15/21 05:30	11/15/21 16:34	1

Lab Sample ID: LCS 570-194150/2-A
Matrix: Water
Analysis Batch: 194318

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 194150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0100	0.0104		mg/L		104	80 - 120

Lab Sample ID: LCSD 570-194150/3-A
Matrix: Water
Analysis Batch: 194318

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 194150

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0100	0.0103		mg/L		103	80 - 120	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-194146/1-A
Matrix: Solid
Analysis Batch: 194317

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 194146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0181	J	0.085	0.014	mg/Kg		11/14/21 10:50	11/15/21 17:30	1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 570-194146/2-A
Matrix: Solid
Analysis Batch: 194317

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 194146

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.833	0.951		mg/Kg		114	85 - 121		

Lab Sample ID: LCSD 570-194146/3-A
Matrix: Solid
Analysis Batch: 194317

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 194146

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.847	0.968		mg/Kg		114	85 - 121	2	10

QC Association Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

GC/MS VOA

Prep Batch: 539553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-9	AOC4-S1-10	Total/NA	Solid	5030B	
320-81134-10	AOC4-S1-15	Total/NA	Solid	5030B	
320-81134-11	AOC4-S1-5 DUP	Total/NA	Solid	5030B	
320-81134-11	AOC4-S1-5 DUP	Total/NA	Solid	5030B	
320-81134-12	AOC9-SG3-5	Total/NA	Solid	5030B	
320-81134-13	AOC9-SG3-10	Total/NA	Solid	5030B	
320-81134-14	AOC9-SG4-5	Total/NA	Solid	5030B	
320-81134-15	AOC9-SG4-10	Total/NA	Solid	5030B	
320-81134-18	AOC9-S2-5	Total/NA	Solid	5030B	
320-81134-19	AOC9-S2-10	Total/NA	Solid	5030B	

Analysis Batch: 540739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-9	AOC4-S1-10	Total/NA	Solid	8260B/CA_LUFT MS	539553
320-81134-10	AOC4-S1-15	Total/NA	Solid	8260B/CA_LUFT MS	539553
MB 320-540739/10	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 320-540739/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 320-540739/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	

Analysis Batch: 540740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-10	AOC4-S1-15	Total/NA	Solid	8260B	539553
MB 320-540740/10	Method Blank	Total/NA	Solid	8260B	
LCS 320-540740/7	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 320-540740/8	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 541535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-22	TB11012021	Total/NA	Water	8260B	
MB 320-541535/8	Method Blank	Total/NA	Water	8260B	
LCS 320-541535/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 320-541535/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 541763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-11	AOC4-S1-5 DUP	Total/NA	Solid	8260B	539553
MB 320-541763/10	Method Blank	Total/NA	Solid	8260B	
LCS 320-541763/7	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 320-541763/8	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 542091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-12	AOC9-SG3-5	Total/NA	Solid	8260B	539553
320-81134-14	AOC9-SG4-5	Total/NA	Solid	8260B	539553
320-81134-15	AOC9-SG4-10	Total/NA	Solid	8260B	539553
320-81134-18	AOC9-S2-5	Total/NA	Solid	8260B	539553
320-81134-19	AOC9-S2-10	Total/NA	Solid	8260B	539553

GC/MS VOA (Continued)

Analysis Batch: 542091 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-542091/10	Method Blank	Total/NA	Solid	8260B	
LCS 320-542091/7	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 320-542091/8	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 542094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-11	AOC4-S1-5 DUP	Total/NA	Solid	8260B/CA_LUFT MS	539553
320-81134-12	AOC9-SG3-5	Total/NA	Solid	8260B/CA_LUFT MS	539553
320-81134-14	AOC9-SG4-5	Total/NA	Solid	8260B/CA_LUFT MS	539553
320-81134-15	AOC9-SG4-10	Total/NA	Solid	8260B/CA_LUFT MS	539553
320-81134-18	AOC9-S2-5	Total/NA	Solid	8260B/CA_LUFT MS	539553
320-81134-19	AOC9-S2-10	Total/NA	Solid	8260B/CA_LUFT MS	539553
MB 320-542094/10	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 320-542094/4	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 320-542094/5	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 542312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-8	AOC4-S1-5	Total/NA	Solid	5030B	
320-81134-9	AOC4-S1-10	Total/NA	Solid	5030B	

Analysis Batch: 542726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-13	AOC9-SG3-10	Total/NA	Solid	8260B/CA_LUFT MS	539553
MB 320-542726/11	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 320-542726/4	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 320-542726/5	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	

Analysis Batch: 542727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-13	AOC9-SG3-10	Total/NA	Solid	8260B	539553
MB 320-542727/11	Method Blank	Total/NA	Solid	8260B	
LCS 320-542727/7	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 320-542727/8	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 543468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-8	AOC4-S1-5	Total/NA	Solid	8260B	542312
320-81134-9	AOC4-S1-10	Total/NA	Solid	8260B	542312
MB 320-543468/10	Method Blank	Total/NA	Solid	8260B	
LCS 320-543468/7	Lab Control Sample	Total/NA	Solid	8260B	

GC/MS VOA (Continued)

Analysis Batch: 543468 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 320-543468/8	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 543469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-8	AOC4-S1-5	Total/NA	Solid	8260B/CA_LUFT MS	542312
MB 320-543469/10	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 320-543469/4	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 320-543469/5	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	

GC Semi VOA

Prep Batch: 540241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-21	EB11012021	Total/NA	Water	3510C	
MB 320-540241/1-A	Method Blank	Total/NA	Water	3510C	
LCS 320-540241/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 320-540241/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 540321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-21	EB11012021	Total/NA	Water	3510C	
MB 320-540321/1-A	Method Blank	Total/NA	Water	3510C	
LCS 320-540321/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 320-540321/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 540584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-8	AOC4-S1-5	Total/NA	Solid	3550B	
320-81134-9	AOC4-S1-10	Total/NA	Solid	3550B	
320-81134-10	AOC4-S1-15	Total/NA	Solid	3550B	
320-81134-11	AOC4-S1-5 DUP	Total/NA	Solid	3550B	
320-81134-12	AOC9-SG3-5	Total/NA	Solid	3550B	
320-81134-13	AOC9-SG3-10	Total/NA	Solid	3550B	
320-81134-14	AOC9-SG4-5	Total/NA	Solid	3550B	
320-81134-15	AOC9-SG4-10	Total/NA	Solid	3550B	
320-81134-18	AOC9-S2-5	Total/NA	Solid	3550B	
320-81134-19	AOC9-S2-10	Total/NA	Solid	3550B	
320-81134-20	AOC6-S9B-4	Total/NA	Solid	3550B	
MB 320-540584/1-A	Method Blank	Total/NA	Solid	3550B	
LCS 320-540584/2-A	Lab Control Sample	Total/NA	Solid	3550B	

Analysis Batch: 541288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-21	EB11012021	Total/NA	Water	8015B	540321
MB 320-540321/1-A	Method Blank	Total/NA	Water	8015B	540321
LCS 320-540321/2-A	Lab Control Sample	Total/NA	Water	8015B	540321
LCSD 320-540321/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	540321

GC Semi VOA

Prep Batch: 541359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-7	AOC1-S1-2 DUP	Total/NA	Solid	3546	
MB 320-541359/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-541359/2-A	Lab Control Sample	Total/NA	Solid	3546	

Prep Batch: 541564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-20	AOC6-S9B-4	Total/NA	Solid	3546	
MB 320-541564/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-541564/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 541889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-540584/1-A	Method Blank	Total/NA	Solid	8015B	540584
LCS 320-540584/2-A	Lab Control Sample	Total/NA	Solid	8015B	540584

Analysis Batch: 542300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-8	AOC4-S1-5	Total/NA	Solid	8015B	540584
320-81134-9	AOC4-S1-10	Total/NA	Solid	8015B	540584
320-81134-10	AOC4-S1-15	Total/NA	Solid	8015B	540584
320-81134-11	AOC4-S1-5 DUP	Total/NA	Solid	8015B	540584
320-81134-12	AOC9-SG3-5	Total/NA	Solid	8015B	540584
320-81134-13	AOC9-SG3-10	Total/NA	Solid	8015B	540584
320-81134-14	AOC9-SG4-5	Total/NA	Solid	8015B	540584
320-81134-15	AOC9-SG4-10	Total/NA	Solid	8015B	540584
320-81134-18	AOC9-S2-5	Total/NA	Solid	8015B	540584
320-81134-19	AOC9-S2-10	Total/NA	Solid	8015B	540584
320-81134-20	AOC6-S9B-4	Total/NA	Solid	8015B	540584

Prep Batch: 542445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-1	AOC1-S9A-0.5	Total/NA	Solid	3546	
320-81134-2	AOC1-S9A-0.5 DUP	Total/NA	Solid	3546	
320-81134-3	AOC1-S9A-2	Total/NA	Solid	3546	
320-81134-4	AOC1-S1-0.5	Total/NA	Solid	3546	
320-81134-5	AOC1-S1-0.5 DUP	Total/NA	Solid	3546	
320-81134-6	AOC1-S1-2	Total/NA	Solid	3546	
320-81134-16	AOC1-S2-0.5	Total/NA	Solid	3546	
320-81134-17	AOC1-S2-2	Total/NA	Solid	3546	
MB 320-542445/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-542445/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 320-542445/3-A	Lab Control Sample	Total/NA	Solid	3546	
320-81134-1 MS	AOC1-S9A-0.5	Total/NA	Solid	3546	
320-81134-1 MSD	AOC1-S9A-0.5	Total/NA	Solid	3546	

Prep Batch: 542456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-1	AOC1-S9A-0.5	Total/NA	Solid	3546	
320-81134-2	AOC1-S9A-0.5 DUP	Total/NA	Solid	3546	
320-81134-4	AOC1-S1-0.5	Total/NA	Solid	3546	
320-81134-5	AOC1-S1-0.5 DUP	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 542456 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-16	AOC1-S2-0.5	Total/NA	Solid	3546	
MB 320-542456/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-542456/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-81134-2 MS	AOC1-S9A-0.5 DUP	Total/NA	Solid	3546	
320-81134-2 MSD	AOC1-S9A-0.5 DUP	Total/NA	Solid	3546	

Analysis Batch: 543196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-20	AOC6-S9B-4	Total/NA	Solid	8082	541564
MB 320-541564/1-A	Method Blank	Total/NA	Solid	8082	541564
LCS 320-541564/2-A	Lab Control Sample	Total/NA	Solid	8082	541564

Analysis Batch: 543549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-21	EB11012021	Total/NA	Water	8082	540241
MB 320-540241/1-A	Method Blank	Total/NA	Water	8082	540241
LCS 320-540241/2-A	Lab Control Sample	Total/NA	Water	8082	540241
LCSD 320-540241/3-A	Lab Control Sample Dup	Total/NA	Water	8082	540241

Analysis Batch: 544089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-541359/1-A	Method Blank	Total/NA	Solid	8081A	541359
LCS 320-541359/2-A	Lab Control Sample	Total/NA	Solid	8081A	541359

Analysis Batch: 544127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-1	AOC1-S9A-0.5	Total/NA	Solid	8082	542456
320-81134-2	AOC1-S9A-0.5 DUP	Total/NA	Solid	8082	542456
320-81134-4	AOC1-S1-0.5	Total/NA	Solid	8082	542456
320-81134-5	AOC1-S1-0.5 DUP	Total/NA	Solid	8082	542456
320-81134-16	AOC1-S2-0.5	Total/NA	Solid	8082	542456
MB 320-542456/1-A	Method Blank	Total/NA	Solid	8082	542456
LCS 320-542456/2-A	Lab Control Sample	Total/NA	Solid	8082	542456
320-81134-2 MS	AOC1-S9A-0.5 DUP	Total/NA	Solid	8082	542456
320-81134-2 MSD	AOC1-S9A-0.5 DUP	Total/NA	Solid	8082	542456

Analysis Batch: 544910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-7	AOC1-S1-2 DUP	Total/NA	Solid	8081A	541359

Analysis Batch: 545312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-1	AOC1-S9A-0.5	Total/NA	Solid	8081A	542445
320-81134-2	AOC1-S9A-0.5 DUP	Total/NA	Solid	8081A	542445
320-81134-3	AOC1-S9A-2	Total/NA	Solid	8081A	542445
320-81134-4	AOC1-S1-0.5	Total/NA	Solid	8081A	542445
320-81134-5	AOC1-S1-0.5 DUP	Total/NA	Solid	8081A	542445
320-81134-6	AOC1-S1-2	Total/NA	Solid	8081A	542445
320-81134-16	AOC1-S2-0.5	Total/NA	Solid	8081A	542445
320-81134-17	AOC1-S2-2	Total/NA	Solid	8081A	542445
MB 320-542445/1-A	Method Blank	Total/NA	Solid	8081A	542445

GC Semi VOA (Continued)

Analysis Batch: 545312 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-542445/2-A	Lab Control Sample	Total/NA	Solid	8081A	542445
LCS 320-542445/3-A	Lab Control Sample	Total/NA	Solid	8081A	542445
320-81134-1 MS	AOC1-S9A-0.5	Total/NA	Solid	8081A	542445
320-81134-1 MSD	AOC1-S9A-0.5	Total/NA	Solid	8081A	542445

Metals

Prep Batch: 194146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-8	AOC4-S1-5	Total/NA	Solid	7471A	
320-81134-9	AOC4-S1-10	Total/NA	Solid	7471A	
320-81134-10	AOC4-S1-15	Total/NA	Solid	7471A	
320-81134-11	AOC4-S1-5 DUP	Total/NA	Solid	7471A	
320-81134-12	AOC9-SG3-5	Total/NA	Solid	7471A	
320-81134-13	AOC9-SG3-10	Total/NA	Solid	7471A	
320-81134-14	AOC9-SG4-5	Total/NA	Solid	7471A	
320-81134-15	AOC9-SG4-10	Total/NA	Solid	7471A	
320-81134-18	AOC9-S2-5	Total/NA	Solid	7471A	
320-81134-19	AOC9-S2-10	Total/NA	Solid	7471A	
MB 570-194146/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-194146/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-194146/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Prep Batch: 194147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-21	EB11012021	Total/NA	Water	3010A	
MB 570-194147/1-A	Method Blank	Total/NA	Water	3010A	
LCS 570-194147/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 570-194147/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 194150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-21	EB11012021	Total/NA	Water	7470A	
MB 570-194150/1-A	Method Blank	Total/NA	Water	7470A	
LCS 570-194150/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 570-194150/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Analysis Batch: 194317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-8	AOC4-S1-5	Total/NA	Solid	7471A	194146
320-81134-9	AOC4-S1-10	Total/NA	Solid	7471A	194146
320-81134-10	AOC4-S1-15	Total/NA	Solid	7471A	194146
320-81134-11	AOC4-S1-5 DUP	Total/NA	Solid	7471A	194146
320-81134-12	AOC9-SG3-5	Total/NA	Solid	7471A	194146
320-81134-13	AOC9-SG3-10	Total/NA	Solid	7471A	194146
320-81134-14	AOC9-SG4-5	Total/NA	Solid	7471A	194146
320-81134-15	AOC9-SG4-10	Total/NA	Solid	7471A	194146
320-81134-18	AOC9-S2-5	Total/NA	Solid	7471A	194146
320-81134-19	AOC9-S2-10	Total/NA	Solid	7471A	194146
MB 570-194146/1-A	Method Blank	Total/NA	Solid	7471A	194146
LCS 570-194146/2-A	Lab Control Sample	Total/NA	Solid	7471A	194146

Metals (Continued)

Analysis Batch: 194317 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-194146/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	194146

Analysis Batch: 194318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-21	EB11012021	Total/NA	Water	7470A	194150
MB 570-194150/1-A	Method Blank	Total/NA	Water	7470A	194150
LCS 570-194150/2-A	Lab Control Sample	Total/NA	Water	7470A	194150
LCSD 570-194150/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	194150

Analysis Batch: 194363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-21	EB11012021	Total/NA	Water	6010B	194147
MB 570-194147/1-A	Method Blank	Total/NA	Water	6010B	194147
LCS 570-194147/2-A	Lab Control Sample	Total/NA	Water	6010B	194147
LCSD 570-194147/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	194147

Prep Batch: 539968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-19	AOC9-S2-10	Total/NA	Solid	3050B	
MB 320-539968/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-539968/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 540856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-19	AOC9-S2-10	Total/NA	Solid	6010B	539968
MB 320-539968/1-A	Method Blank	Total/NA	Solid	6010B	539968
LCS 320-539968/2-A	Lab Control Sample	Total/NA	Solid	6010B	539968

Prep Batch: 541299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-1	AOC1-S9A-0.5	Total/NA	Solid	3050B	
320-81134-2	AOC1-S9A-0.5 DUP	Total/NA	Solid	3050B	
320-81134-4	AOC1-S1-0.5	Total/NA	Solid	3050B	
320-81134-5	AOC1-S1-0.5 DUP	Total/NA	Solid	3050B	
320-81134-8	AOC4-S1-5	Total/NA	Solid	3050B	
320-81134-9	AOC4-S1-10	Total/NA	Solid	3050B	
320-81134-10	AOC4-S1-15	Total/NA	Solid	3050B	
320-81134-11	AOC4-S1-5 DUP	Total/NA	Solid	3050B	
320-81134-12	AOC9-SG3-5	Total/NA	Solid	3050B	
320-81134-13	AOC9-SG3-10	Total/NA	Solid	3050B	
320-81134-14	AOC9-SG4-5	Total/NA	Solid	3050B	
320-81134-15	AOC9-SG4-10	Total/NA	Solid	3050B	
320-81134-16	AOC1-S2-0.5	Total/NA	Solid	3050B	
320-81134-18	AOC9-S2-5	Total/NA	Solid	3050B	
MB 320-541299/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-541299/2-A	Lab Control Sample	Total/NA	Solid	3050B	
320-81134-1 MS	AOC1-S9A-0.5	Total/NA	Solid	3050B	
320-81134-1 MSD	AOC1-S9A-0.5	Total/NA	Solid	3050B	

QC Association Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Metals

Analysis Batch: 541471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-19	AOC9-S2-10	Total/NA	Solid	6010B	539968
MB 320-539968/1-A	Method Blank	Total/NA	Solid	6010B	539968
LCS 320-539968/2-A	Lab Control Sample	Total/NA	Solid	6010B	539968

Analysis Batch: 541574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-1	AOC1-S9A-0.5	Total/NA	Solid	6010B	541299
320-81134-2	AOC1-S9A-0.5 DUP	Total/NA	Solid	6010B	541299
MB 320-541299/1-A	Method Blank	Total/NA	Solid	6010B	541299
LCS 320-541299/2-A	Lab Control Sample	Total/NA	Solid	6010B	541299
320-81134-1 MS	AOC1-S9A-0.5	Total/NA	Solid	6010B	541299
320-81134-1 MSD	AOC1-S9A-0.5	Total/NA	Solid	6010B	541299

Analysis Batch: 541790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-4	AOC1-S1-0.5	Total/NA	Solid	6010B	541299
320-81134-5	AOC1-S1-0.5 DUP	Total/NA	Solid	6010B	541299
320-81134-8	AOC4-S1-5	Total/NA	Solid	6010B	541299
320-81134-9	AOC4-S1-10	Total/NA	Solid	6010B	541299
320-81134-10	AOC4-S1-15	Total/NA	Solid	6010B	541299
320-81134-11	AOC4-S1-5 DUP	Total/NA	Solid	6010B	541299
320-81134-12	AOC9-SG3-5	Total/NA	Solid	6010B	541299
320-81134-13	AOC9-SG3-10	Total/NA	Solid	6010B	541299
320-81134-14	AOC9-SG4-5	Total/NA	Solid	6010B	541299
320-81134-15	AOC9-SG4-10	Total/NA	Solid	6010B	541299
320-81134-16	AOC1-S2-0.5	Total/NA	Solid	6010B	541299
320-81134-18	AOC9-S2-5	Total/NA	Solid	6010B	541299
320-81134-19	AOC9-S2-10	Total/NA	Solid	6010B	539968

Client Sample ID: AOC1-S9A-0.5

Lab Sample ID: 320-81134-1

Date Collected: 11/01/21 09:25

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.16 g	5 mL	542445	11/13/21 08:25	PT	TAL SAC
Total/NA	Analysis	8081A		10			545312	11/23/21 15:45	K1D	TAL SAC
Total/NA	Prep	3546			15.16 g	5 mL	542456	11/13/21 08:43	PT	TAL SAC
Total/NA	Analysis	8082		1			544127	11/20/21 07:15	K1D	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	541299	11/09/21 13:20	JP	TAL SAC
Total/NA	Analysis	6010B		1			541574	11/10/21 10:32	SP	TAL SAC

Client Sample ID: AOC1-S9A-0.5 DUP

Lab Sample ID: 320-81134-2

Date Collected: 11/01/21 09:25

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.40 g	5 mL	542445	11/13/21 08:25	PT	TAL SAC
Total/NA	Analysis	8081A		20			545312	11/23/21 16:42	K1D	TAL SAC
Total/NA	Prep	3546			15.40 g	5 mL	542456	11/13/21 08:43	PT	TAL SAC
Total/NA	Analysis	8082		1			544127	11/20/21 07:35	K1D	TAL SAC
Total/NA	Prep	3050B			1.51 g	100 mL	541299	11/09/21 13:20	JP	TAL SAC
Total/NA	Analysis	6010B		1			541574	11/10/21 10:51	SP	TAL SAC

Client Sample ID: AOC1-S9A-2

Lab Sample ID: 320-81134-3

Date Collected: 11/01/21 09:27

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.87 g	5 mL	542445	11/13/21 08:25	PT	TAL SAC
Total/NA	Analysis	8081A		1			545312	11/23/21 17:01	K1D	TAL SAC

Client Sample ID: AOC1-S1-0.5

Lab Sample ID: 320-81134-4

Date Collected: 11/01/21 12:10

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	5 mL	542445	11/13/21 08:25	PT	TAL SAC
Total/NA	Analysis	8081A		2			545312	11/23/21 17:20	K1D	TAL SAC
Total/NA	Prep	3546			15.03 g	5 mL	542456	11/13/21 08:43	PT	TAL SAC
Total/NA	Analysis	8082		1			544127	11/20/21 08:37	K1D	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	541299	11/09/21 13:20	JP	TAL SAC
Total/NA	Analysis	6010B		1			541790	11/10/21 14:37	GSH	TAL SAC

Client Sample ID: AOC1-S1-0.5 DUP

Lab Sample ID: 320-81134-5

Date Collected: 11/01/21 12:10

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.01 g	5 mL	542445	11/13/21 08:25	PT	TAL SAC
Total/NA	Analysis	8081A		2			545312	11/23/21 17:58	K1D	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC1-S1-0.5 DUP
Lab Sample ID: 320-81134-5
Date Collected: 11/01/21 12:10
Matrix: Solid
Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.01 g	5 mL	542456	11/13/21 08:43	PT	TAL SAC
Total/NA	Analysis	8082		2			544127	11/20/21 08:58	K1D	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	541299	11/09/21 13:20	JP	TAL SAC
Total/NA	Analysis	6010B		1			541790	11/10/21 14:40	GSH	TAL SAC

Client Sample ID: AOC1-S1-2
Lab Sample ID: 320-81134-6
Date Collected: 11/01/21 12:12
Matrix: Solid
Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.06 g	5 mL	542445	11/13/21 08:25	PT	TAL SAC
Total/NA	Analysis	8081A		1			545312	11/23/21 18:17	K1D	TAL SAC

Client Sample ID: AOC1-S1-2 DUP
Lab Sample ID: 320-81134-7
Date Collected: 11/01/21 12:12
Matrix: Solid
Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.23 g	5 mL	541359	11/09/21 14:45	PT	TAL SAC
Total/NA	Analysis	8081A		1			544910	11/22/21 17:23	K1D	TAL SAC

Client Sample ID: AOC4-S1-5
Lab Sample ID: 320-81134-8
Date Collected: 11/01/21 11:59
Matrix: Solid
Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.00 g	5 mL	542312	11/12/21 14:03	CLF	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	543468	11/17/21 11:36	AZ1	TAL SAC
Total/NA	Prep	5030B			00005.00 g	5 mL	542312	11/12/21 14:03	CLF	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	543469	11/17/21 11:36	AZ1	TAL SAC
Total/NA	Prep	3550B			30.05 g	3 mL	540584	11/06/21 09:57	PT	TAL SAC
Total/NA	Analysis	8015B		1			542300	11/13/21 11:29	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	541299	11/09/21 13:20	JP	TAL SAC
Total/NA	Analysis	6010B		1			541790	11/10/21 14:44	GSH	TAL SAC
Total/NA	Prep	7471A			.58 g	100 mL	194146	11/14/21 10:50	WL8G	ECL 1
Total/NA	Analysis	7471A		1			194317	11/15/21 17:44	VWJ7	ECL 1

Client Sample ID: AOC4-S1-10
Lab Sample ID: 320-81134-9
Date Collected: 11/01/21 12:00
Matrix: Solid
Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.16 g	5 mL	542312	11/12/21 14:05	CLF	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	543468	11/17/21 11:58	AZ1	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC4-S1-10

Lab Sample ID: 320-81134-9

Date Collected: 11/01/21 12:00

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.14 g	5 mL	539553	11/03/21 10:58	EMJ	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	540739	11/07/21 19:36	SS	TAL SAC
Total/NA	Prep	3550B			30.08 g	3 mL	540584	11/06/21 09:57	PT	TAL SAC
Total/NA	Analysis	8015B		1			542300	11/13/21 11:58	K1D	TAL SAC
Total/NA	Prep	3050B			1.05 g	100 mL	541299	11/09/21 13:20	JP	TAL SAC
Total/NA	Analysis	6010B		1			541790	11/10/21 14:48	GSH	TAL SAC
Total/NA	Prep	7471A			.61 g	100 mL	194146	11/14/21 10:50	WL8G	ECL 1
Total/NA	Analysis	7471A		1			194317	11/15/21 17:45	VWJ7	ECL 1

Client Sample ID: AOC4-S1-15

Lab Sample ID: 320-81134-10

Date Collected: 11/01/21 12:01

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.11 g	5 mL	539553	11/03/21 10:58	EMJ	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	540740	11/07/21 19:57	SS	TAL SAC
Total/NA	Prep	5030B			00005.11 g	5 mL	539553	11/03/21 10:58	EMJ	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	540739	11/07/21 19:57	SS	TAL SAC
Total/NA	Prep	3550B			30.40 g	3 mL	540584	11/06/21 09:57	PT	TAL SAC
Total/NA	Analysis	8015B		1			542300	11/13/21 12:27	K1D	TAL SAC
Total/NA	Prep	3050B			1.04 g	100 mL	541299	11/09/21 13:20	JP	TAL SAC
Total/NA	Analysis	6010B		1			541790	11/10/21 14:52	GSH	TAL SAC
Total/NA	Prep	7471A			.60 g	100 mL	194146	11/14/21 10:50	WL8G	ECL 1
Total/NA	Analysis	7471A		1			194317	11/15/21 17:47	VWJ7	ECL 1

Client Sample ID: AOC4-S1-5 DUP

Lab Sample ID: 320-81134-11

Date Collected: 11/01/21 11:59

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.10 g	5 mL	539553	11/03/21 10:58	EMJ	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	541763	11/11/21 16:37	AP1	TAL SAC
Total/NA	Prep	5030B			00005.10 g	5 mL	539553	11/03/21 10:58	EMJ	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	542094	11/12/21 12:05	JRM	TAL SAC
Total/NA	Prep	3550B			30.67 g	3 mL	540584	11/06/21 09:57	PT	TAL SAC
Total/NA	Analysis	8015B		1			542300	11/13/21 12:56	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	541299	11/09/21 13:20	JP	TAL SAC
Total/NA	Analysis	6010B		1			541790	11/10/21 14:55	GSH	TAL SAC
Total/NA	Prep	7471A			.59 g	100 mL	194146	11/14/21 10:50	WL8G	ECL 1
Total/NA	Analysis	7471A		1			194317	11/15/21 17:53	VWJ7	ECL 1

Client Sample ID: AOC9-SG3-5

Lab Sample ID: 320-81134-12

Date Collected: 11/01/21 10:37

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.15 g	5 mL	539553	11/03/21 10:58	EMJ	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	542091	11/12/21 12:27	JRM	TAL SAC
Total/NA	Prep	5030B			00005.15 g	5 mL	539553	11/03/21 10:58	EMJ	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	542094	11/12/21 12:27	JRM	TAL SAC
Total/NA	Prep	3550B			30.12 g	3 mL	540584	11/06/21 09:57	PT	TAL SAC
Total/NA	Analysis	8015B		1			542300	11/13/21 13:25	K1D	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	541299	11/09/21 13:20	JP	TAL SAC
Total/NA	Analysis	6010B		1			541790	11/10/21 14:59	GSH	TAL SAC
Total/NA	Prep	7471A			.62 g	100 mL	194146	11/14/21 10:50	WL8G	ECL 1
Total/NA	Analysis	7471A		1			194317	11/15/21 17:55	VWJ7	ECL 1

Client Sample ID: AOC9-SG3-10

Lab Sample ID: 320-81134-13

Date Collected: 11/01/21 10:47

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.12 g	5 mL	539553	11/03/21 10:58	EMJ	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	542727	11/15/21 17:00	AP1	TAL SAC
Total/NA	Prep	5030B			00005.12 g	5 mL	539553	11/03/21 10:58	EMJ	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	542726	11/15/21 17:00	AP1	TAL SAC
Total/NA	Prep	3550B			30.51 g	3 mL	540584	11/06/21 09:57	PT	TAL SAC
Total/NA	Analysis	8015B		1			542300	11/13/21 13:54	K1D	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	541299	11/09/21 13:20	JP	TAL SAC
Total/NA	Analysis	6010B		1			541790	11/10/21 15:03	GSH	TAL SAC
Total/NA	Prep	7471A			.63 g	100 mL	194146	11/14/21 10:50	WL8G	ECL 1
Total/NA	Analysis	7471A		1			194317	11/15/21 17:57	VWJ7	ECL 1

Client Sample ID: AOC9-SG4-5

Lab Sample ID: 320-81134-14

Date Collected: 11/01/21 10:00

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.04 g	5 mL	539553	11/03/21 10:58	EMJ	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	542091	11/12/21 13:11	JRM	TAL SAC
Total/NA	Prep	5030B			00005.04 g	5 mL	539553	11/03/21 10:58	EMJ	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	542094	11/12/21 13:11	JRM	TAL SAC
Total/NA	Prep	3550B			30.73 g	3 mL	540584	11/06/21 09:57	PT	TAL SAC
Total/NA	Analysis	8015B		1			542300	11/13/21 14:22	K1D	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	541299	11/09/21 13:20	JP	TAL SAC
Total/NA	Analysis	6010B		1			541790	11/10/21 15:07	GSH	TAL SAC
Total/NA	Prep	7471A			.58 g	100 mL	194146	11/14/21 10:50	WL8G	ECL 1
Total/NA	Analysis	7471A		1			194317	11/15/21 17:59	VWJ7	ECL 1

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: AOC9-SG4-10

Lab Sample ID: 320-81134-15

Date Collected: 11/01/21 10:05

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.33 g	5 mL	539553	11/03/21 10:58	EMJ	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	542091	11/12/21 13:33	JRM	TAL SAC
Total/NA	Prep	5030B			00005.33 g	5 mL	539553	11/03/21 10:58	EMJ	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	542094	11/12/21 13:33	JRM	TAL SAC
Total/NA	Prep	3550B			30.63 g	3 mL	540584	11/06/21 09:57	PT	TAL SAC
Total/NA	Analysis	8015B		1			542300	11/13/21 14:51	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	541299	11/09/21 13:20	JP	TAL SAC
Total/NA	Analysis	6010B		1			541790	11/10/21 15:18	GSH	TAL SAC
Total/NA	Prep	7471A			.59 g	100 mL	194146	11/14/21 10:50	WL8G	ECL 1
Total/NA	Analysis	7471A		1			194317	11/15/21 18:00	VWJ7	ECL 1

Client Sample ID: AOC1-S2-0.5

Lab Sample ID: 320-81134-16

Date Collected: 11/01/21 12:53

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.37 g	5 mL	542445	11/13/21 08:25	PT	TAL SAC
Total/NA	Analysis	8081A		5			545312	11/23/21 18:35	K1D	TAL SAC
Total/NA	Prep	3546			15.37 g	5 mL	542456	11/13/21 08:43	PT	TAL SAC
Total/NA	Analysis	8082		2			544127	11/20/21 09:18	K1D	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	541299	11/09/21 13:20	JP	TAL SAC
Total/NA	Analysis	6010B		1			541790	11/10/21 15:22	GSH	TAL SAC

Client Sample ID: AOC1-S2-2

Lab Sample ID: 320-81134-17

Date Collected: 11/01/21 12:57

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.77 g	5 mL	542445	11/13/21 08:25	PT	TAL SAC
Total/NA	Analysis	8081A		1			545312	11/23/21 18:54	K1D	TAL SAC

Client Sample ID: AOC9-S2-5

Lab Sample ID: 320-81134-18

Date Collected: 11/01/21 13:00

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.11 g	5 mL	539553	11/03/21 10:58	EMJ	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	542091	11/12/21 13:55	JRM	TAL SAC
Total/NA	Prep	5030B			00005.11 g	5 mL	539553	11/03/21 10:58	EMJ	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	542094	11/12/21 13:55	JRM	TAL SAC
Total/NA	Prep	3550B			30.26 g	3 mL	540584	11/06/21 09:57	PT	TAL SAC
Total/NA	Analysis	8015B		1			542300	11/13/21 15:20	K1D	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	541299	11/09/21 13:20	JP	TAL SAC
Total/NA	Analysis	6010B		1			541790	11/10/21 15:26	GSH	TAL SAC

Client Sample ID: AOC9-S2-5

Lab Sample ID: 320-81134-18

Date Collected: 11/01/21 13:00

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			.61 g	100 mL	194146	11/14/21 10:50	WL8G	ECL 1
Total/NA	Analysis	7471A		1			194317	11/15/21 18:02	VWJ7	ECL 1

Client Sample ID: AOC9-S2-10

Lab Sample ID: 320-81134-19

Date Collected: 11/01/21 13:02

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.29 g	5 mL	539553	11/03/21 11:01	EMJ	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	542091	11/12/21 14:18	JRM	TAL SAC
Total/NA	Prep	5030B			00005.29 g	5 mL	539553	11/03/21 11:01	EMJ	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	542094	11/12/21 14:18	JRM	TAL SAC
Total/NA	Prep	3550B			30.21 g	3 mL	540584	11/06/21 09:57	PT	TAL SAC
Total/NA	Analysis	8015B		1			542300	11/13/21 15:48	K1D	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	539968	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			541471	11/09/21 15:39	GSH	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	539968	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			540856	11/05/21 13:43	GSH	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	539968	11/04/21 13:39	JP	TAL SAC
Total/NA	Analysis	6010B		1			541790	11/10/21 16:35	GSH	TAL SAC
Total/NA	Prep	7471A			.58 g	100 mL	194146	11/14/21 10:50	WL8G	ECL 1
Total/NA	Analysis	7471A		1			194317	11/15/21 18:04	VWJ7	ECL 1

Client Sample ID: AOC6-S9B-4

Lab Sample ID: 320-81134-20

Date Collected: 11/01/21 11:28

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			30.45 g	3 mL	540584	11/06/21 09:57	PT	TAL SAC
Total/NA	Analysis	8015B		1			542300	11/13/21 16:17	K1D	TAL SAC
Total/NA	Prep	3546			15.93 g	5 mL	541564	11/10/21 10:54	NGK	TAL SAC
Total/NA	Analysis	8082		1			543196	11/16/21 18:50	K1D	TAL SAC

Client Sample ID: EB11012021

Lab Sample ID: 320-81134-21

Date Collected: 11/01/21 13:50

Matrix: Water

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1049.8 mL	3 mL	540321	11/05/21 12:43	AS	TAL SAC
Total/NA	Analysis	8015B		1			541288	11/09/21 13:54	K1D	TAL SAC
Total/NA	Prep	3510C			1043.4 mL	10 mL	540241	11/05/21 09:42	AS	TAL SAC
Total/NA	Analysis	8082		1			543549	11/17/21 21:27	K1D	TAL SAC
Total/NA	Prep	3010A			50 mL	50 mL	194147	11/14/21 11:09	WL8G	ECL 1
Total/NA	Analysis	6010B		1			194363	11/15/21 14:40	ULPF	ECL 1

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Client Sample ID: EB11012021

Date Collected: 11/01/21 13:50
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	100 mL	194150	11/15/21 05:30	WL8G	ECL 1
Total/NA	Analysis	7470A		1			194318	11/15/21 16:47	VWJ7	ECL 1

Client Sample ID: TB11012021

Date Collected: 11/01/21 08:00
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	541535	11/10/21 13:06	EMJ	TAL SAC

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Laboratory: Eurofins TestAmerica, Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B	3510C	Water	Motor Oil Range Organics [C28-C40]
8015B	3550B	Solid	Motor Oil Range Organics [C24-C36]

Laboratory: Eurofins Calscience LLC

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

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-22

Method Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAC
8260B/CA_LUFTMS	Volatile Organic Compounds by GC/MS	SW846	TAL SAC
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SAC
8081A	Organochlorine Pesticides (GC)	SW846	TAL SAC
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL SAC
6010B	Metals (ICP)	SW846	ECL 1
6010B	Metals (ICP)	SW846	TAL SAC
7470A	Mercury (CVAA)	SW846	ECL 1
7471A	Mercury (CVAA)	SW846	ECL 1
3010A	Preparation, Total Metals	SW846	ECL 1
3050B	Preparation, Metals	SW846	TAL SAC
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL SAC
3546	Microwave Extraction	SW846	TAL SAC
3550B	Ultrasonic Extraction	SW846	TAL SAC
5030B	Purge and Trap	SW846	TAL SAC
7470A	Preparation, Mercury	SW846	ECL 1
7471A	Preparation, Mercury	SW846	ECL 1

Protocol References:

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-81134-1	AOC1-S9A-0.5	Solid	11/01/21 09:25	11/02/21 12:48
320-81134-2	AOC1-S9A-0.5 DUP	Solid	11/01/21 09:25	11/02/21 12:48
320-81134-3	AOC1-S9A-2	Solid	11/01/21 09:27	11/02/21 12:48
320-81134-4	AOC1-S1-0.5	Solid	11/01/21 12:10	11/02/21 12:48
320-81134-5	AOC1-S1-0.5 DUP	Solid	11/01/21 12:10	11/02/21 12:48
320-81134-6	AOC1-S1-2	Solid	11/01/21 12:12	11/02/21 12:48
320-81134-7	AOC1-S1-2 DUP	Solid	11/01/21 12:12	11/02/21 12:48
320-81134-8	AOC4-S1-5	Solid	11/01/21 11:59	11/02/21 12:48
320-81134-9	AOC4-S1-10	Solid	11/01/21 12:00	11/02/21 12:48
320-81134-10	AOC4-S1-15	Solid	11/01/21 12:01	11/02/21 12:48
320-81134-11	AOC4-S1-5 DUP	Solid	11/01/21 11:59	11/02/21 12:48
320-81134-12	AOC9-SG3-5	Solid	11/01/21 10:37	11/02/21 12:48
320-81134-13	AOC9-SG3-10	Solid	11/01/21 10:47	11/02/21 12:48
320-81134-14	AOC9-SG4-5	Solid	11/01/21 10:00	11/02/21 12:48
320-81134-15	AOC9-SG4-10	Solid	11/01/21 10:05	11/02/21 12:48
320-81134-16	AOC1-S2-0.5	Solid	11/01/21 12:53	11/02/21 12:48
320-81134-17	AOC1-S2-2	Solid	11/01/21 12:57	11/02/21 12:48
320-81134-18	AOC9-S2-5	Solid	11/01/21 13:00	11/02/21 12:48
320-81134-19	AOC9-S2-10	Solid	11/01/21 13:02	11/02/21 12:48
320-81134-20	AOC6-S9B-4	Solid	11/01/21 11:28	11/02/21 12:48
320-81134-21	EB11012021	Water	11/01/21 13:50	11/02/21 12:48
320-81134-22	TB11012021	Water	11/01/21 08:00	11/02/21 12:48

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
phone 916 373.5600 fax 303.467 7248

Chain of Custody Record

#201272

320-81134

eurofins

TestAmerica Laboratories Inc. d/b/a Eurofins TestAmerica

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemecio	Date: 11/01/2021	COC No: 1
Ninyo & Moore	Email ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: TestAmerica	1 of 2 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNR
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below ____			Lab Sampling
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 1011 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes.
AOC1-S9A-05	11/1/21	0925	G	Soil	1							X	X	X	X	
AOC1-S9A-05 DUP		0925										X	X	X	X	
AOC1-S9A-2		0927										X		X		
AOC1-S1-05		1210										X	X		X	
AOC1-S1-05 DUP		1210										X	X		X	
AOC1-S1-2		1212										X				
AOC1-S1-2 DUP		1212										X				
AOC4-S1-5		1159						X	X	X						
AOC4-S1-10		1200						X	X	X						
AOC4-S1-15		1201						X	X	X						
AOC4-S1-5 DUP		1159						X	X	X						

320-81134 Chain of Custody

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for ____ Months

Special Instructions/QC Requirements & Comments.
Hold samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp. (°C) Obs'd. ____ Corr'd. ____ Therm ID No. ____			
Relinquished by: Daysi Nemecio (secured location Alameda office)	Company: N&M	Date/Time: 11/2/21 15:27	Received by: Leslie Jang	Company: N&M	Date/Time: 11/2 11:46am
Relinquished by: Leslie Jang	Company: N&M	Date/Time: 11/2 11:46	Received by: [signature]	Company: ETA SJ	Date/Time: 11-2-21 11:46
Relinquished by: [signature]	Company: ETA SJ	Date/Time: 11/2/21 12:48	Received in Laboratory by: [signature]	Company: ETA SJ	Date/Time: 11/2/21 1248

5.0c°

Form No CA-C-WI-004, Rev 1 17 dated 6/27/2019

12/21/2021 (Rev. 2)

Chain of Custody Record

320-81134

201273

eurofins

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemecio	Date: 11/01/2021	COC No: 1
Ninyo & Moore	Email: ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: TAT America	2 of 2 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNR
Alameda, California 94501	**Analysis Turnaround Time**			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling:
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No
Site: 1011 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	VOCs (Method 624)	Sample Specific Notes.
AOC9-SG3-5	11/01/21	1037	G	Soil	1			X	X	X							
AOC9-SG3-10		1047						X	X	X							
AOC9-SG4-5		1000						X	X	X							
AOC9-SG4-10		1005						X	X	X							
AOC1-S2-0.5		1253										X	X		X		
AOC1-S2-2		1257										X					
AOC9-S2-5		1300						X	X	X							
AOC9-S2-10		1302						X	X	X							
AOC6-S9B-4		1128						X					X	X			
EB11012021		1350		H_2O	3			X		X	X	X	X				
TB11012021	~~11/01/21~~	~~0800~~		H_2O	3											X	

Preservation Used: 1= Ice, 2= HCl, 3= H_2SO_4; 4=HNO_3, 5=NaOH, 6= Other _____

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

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

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

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

Special Instructions/QC Requirements & Comments.

Hold samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.		Cooler Temp. (°C): Obs'd _____ Corr'd _____ Therm ID No.: _____		
Relinquished by: Daysi Nemecio (Courier Location: Alameda office)	Company: N&M	Date/Time: 11/1/21 1527	Received by: Leslie Jung	Company: N&M	Date/Time: 11/2 11 46am
Relinquished by: Leslie Jung	Company: N&M	Date/Time: 11/2 11 46	Received by:	Company: FAT ST	Date/Time: 11-2-21 11:46
Relinquished by:	Company: FAT ST	Date/Time: 11/2/21 1345	Received in Laboratory by:	Company: FedEx	Date/Time: 11/2/21 1245

5.0C°

Form No CA-C-WI-004, Rev 1 17 dated 6/27/2019

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247828.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 1 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81134-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/8/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290A/8290_P_Sox 17 Isomers List	6010B/3050B CAM 17 List, minus Mercury	8015B_DRO/3550B (MOD) DRO/MRO	8260B/5030B_SolidNAC (MOD) VOCs	8260B/CA_LUFTMS/5030B_SolidNAC GRO C4-C12	8015B_DRO/3510C_IVWT DRO/MRO	8081A/3510C_LVI Pesticides, Standard List	8082/3510C_LVI PCBs, Standard List	8270C_SIM/3510C_LVI PAHs	8260B/5030B VOCs, Standard List	Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
AOCI-S9A-0.5 (320-81134-1)	11/1/21	09:25 Pacific		Solid			X	X	X	X										1	
AOCI-S9A-0.5 DUP (320-81134-2)	11/1/21	09:25 Pacific		Solid			X	X	X	X										1	
AOCI-S9A-2 (320-81134-3)	11/1/21	09:27 Pacific		Solid				X		X										1	
AOCI-S1-0.5 (320-81134-4)	11/1/21	12:10 Pacific		Solid			X	X	X											1	
AOCI-S1-0.5 DUP (320-81134-5)	11/1/21	12:10 Pacific		Solid			X	X	X											1	
AOCI-S1-2 (320-81134-6)	11/1/21	12:12 Pacific		Solid				X												1	
AOCI-S1-2 DUP (320-81134-7)	11/1/21	12:12 Pacific		Solid				X												1	
AOC4-S1-5 (320-81134-8)	11/1/21	11:59 Pacific		Solid							X	X	X	X						1	
AOC4-S1-10 (320-81134-9)	11/1/21	12:00 Pacific		Solid							X	X	X	X						1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Date/Time	Company		Date/Time	Company
Relinquished by:	11/2/21 1630	TAS	Received by:	11/2/21 1630	BCL
Relinquished by:	11-2-21 1915	DCS	Received by:	11/2/21 1915	EGISAC
Relinquished by			Received by:		

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.9 & 30

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247828.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 2 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81134-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/8/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290A/8290_P_Sox 17 Isomers List	6010B/3050B CAM 17 List, minus Mercury	8015B_DRO/3550B (MOD) DRO/MRO	8260B/5030B_SolidNAC (MOD) VOCs	8260B/CA_LUFTMS/5030B_SolidNAC GRO C4-C12	8015B_DRO/3510C_IVWT DRO/MRO	8081A/3510C_LVI Pesticides, Standard List	8082/3510C_LVI PCBs, Standard List	8270C_SIM/3510C_LVI PAHs	8260B/5030B VOCs, Standard List	Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
AOC4-S1-15 (320-81134-10)	11/1/21	12:01 Pacific		Solid							X	X	X	X						1	
AOC4-S1-15 DUP (320-81134-11)	11/1/21	11:59 Pacific		Solid							X	X	X	X						1	
AOCI-SG3-5 (320-81134-12)	11/1/21	10:37 Pacific		Solid							X	X	X	X						1	
AOC9-SG3-10 (320-81134-13)	11/1/21	10:47 Pacific		Solid							X	X	X	X						1	
AOC9-SG4-5 (320-81134-14)	11/1/21	10:00 Pacific		Solid							X	X	X	X						1	
AOC9-SG4-10 (320-81134-15)	11/1/21	10:05 Pacific		Solid							X	X	X	X						1	
AOCI-S2-0.5 (320-81134-16)	11/1/21	12:53 Pacific		Solid			X	X	X											1	
AOCI-S2-2 (320-81134-17)	11/1/21	12:57 Pacific		Solid				X												1	
AOC9-S2-5 (320-81134-18)	11/1/21	13:00 Pacific		Solid							X	X	X	X						1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/2/21 1630			11/2/21 1630	
2		11-2-21 1915	OCS		11/2/21 1915	FEDEX
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247828.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 3 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81134-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/8/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290A/8290_P_Sox 17 Isomers List	6010B/3050B CAM 17 List, minus Mercury	8015B_DRO/3550B (MOD) DRO/MRO	8260B/5030B_SolidNAC (MOD) VOCs	8260B/CA_LUFTMS/5030B_SolidNAC GRO C4-C12	8015B_DRO/3510C_IVWT DRO/MRO	8081A/3510C_LVI Pesticides, Standard List	8082/3510C_LVI PCBs, Standard List	8270C_SIM/3510C_LVI PAHs	8260B/5030B VOCs, Standard List	Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
AOC9-S2-10 (320-81134-19)	11/1/21	13:02 Pacific		Solid							X	X	X	X						1	
AOC6-S9B-4 (320-81134-20)	11/1/21	11:28 Pacific		Solid			X			X		X								1	
EB11012021 (320-81134-21)	11/1/21	13:50 Pacific		Water											X	X	X	X		2	
TB11012021 (320-81134-22)	11/1/21	08:00 Pacific		Water															X	3	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/2/21 1630	EMAS		11/2/21 1630	DCS
2		11-2-21 1915	DCS		11/2/21-1915	EETSAC
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gonzales, Justinn	Carrier Tracking No(s)	COC No: 320-247827 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn Gonzales@Eurofinset.com	State of Origin: California	Page: Page 1 of 2
Company: Eurofins Calscience LLC		Accreditations Required (See note): State - California		Job #: 320-81134-1
Address: 7440 Lincoln Way, ,	Due Date Requested: 11/15/2021			
City: Garden Grove	TAT Requested (days):			
State, Zip: CA, 92841				
Phone: 714-895-5494(Tel) 714-894-7501(Fax)	PO #:			
Email	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7471A/7471A_Prep Mercury	6010B/3010A California Administrative Manual List	7470A/7470A_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AOC4-S1-5 (320-81134-8)	11/1/21	11 59 Pacific		Solid			X			1	
AOC4-S1-10 (320-81134-9)	11/1/21	12 00 Pacific		Solid			X			1	
AOC4-S1-15 (320-81134-10)	11/1/21	12 01 Pacific		Solid			X			1	
AOC4-S1-15 DUP (320-81134-11)	11/1/21	11.59 Pacific		Solid			X			1	
AOCI-SG3-5 (320-81134-12)	11/1/21	10 37 Pacific		Solid			X			1	
AOC9-SG3-10 (320-81134-13)	11/1/21	10 47 Pacific		Solid			X			1	
AOC9-SG4-5 (320-81134-14)	11/1/21	10 00 Pacific		Solid			X			1	
AOC9-SG4-10 (320-81134-15)	11/1/21	10 05 Pacific		Solid			X			1	
AOC9-S2-5 (320-81134-18)	11/1/21	13.00 Pacific		Solid			X			1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/2/21 1600	FEMTSL		11/2/21 1034	ECLC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☑ Yes ☐ No | Custody Seal No: N/A | Cooler Temperature(s) °C and Other Remarks: 2.1/2.0 IR#5

Ver 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247827 2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn Gonzales@Eurofinset.com	State of Origin: California	Page: Page 2 of 2
Company: Eurofins Calscience LLC		Accreditations Required (See note): State - California		Job #: 320-81134-1
Address: 7440 Lincoln Way, ,	Due Date Requested: 11/15/2021			
City: Garden Grove	TAT Requested (days):			
State, Zip: CA, 92841				
Phone: 714-895-5494(Tel) 714-894-7501(Fax)	PO #:			
Email	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7471A/7471A_Prep Mercury	6010B/3010A California Administrative Manual List	7470A/7470A_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AOC9-S2-10 (320-81134-19)	11/1/21	13:02 Pacific		Solid			X			1	
EB11012021 (320-81134-21)	11/1/21	13 50 Pacific		Water				X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date:	Time	Method of Shipment:		
Relinquished by:	Date/Time: 11/2/21 1600	Company 12/14 55	Received by:	Date/Time: 11/3/21 1035	Company ECL6
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact: ☒ Yes ☐ No	Custody Seal No N/A	Cooler Temperature(s) °C and Other Remarks: 2-1/3.0 SCS

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81134-1

Login Number: 81134
List Number: 1
Creator: Garcia, Hilario A

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81134-1

Login Number: 81134
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	2.9 & 3.0
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81134-1

Login Number: 81134
List Number: 3
Creator: Ortiz-Luis, Michael

List Source: Eurofins Calscience LLC
List Creation: 11/03/21 03:13 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
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	3.0
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-81134-2
Client Project/Site: Cole School PEA
Revision: 1

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Mr. Nathan Diem

Authorized for release by:
12/15/2021 12:53:09 PM

Justinn Gonzales, Project Manager I
(925)484-1919
Justinn.Gonzales@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-2

Qualifiers

Dioxin

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

Glossary

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

Job ID: 320-81134-2

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-81134-2

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 11/23/2021. The report (revision 1) is being revised due to: Report samples to MDL or EDL for 8290A per client request. Total TEQ also added.

Receipt
The samples were received on 11/2/2021 12:48 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.0º C.

Dioxin
Method 8290A: The following sample exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): (LCS 320-539562/2-A) . The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

Method 8290A: The bracketing continuing calibration verification (CCV) associated with batch 320-544400 has analytes with percent difference values that are between the method criteria of 20% to 25% deviation from the initial calibration curve. Per method guidelines, an average relative response factor (RRF) is calculated from the bracketing CCV and is used to quantitate any positive results in the associated samples for the affected analytes.

Method 8290A: The scheduled automatic ending resolution check did not print due to loss of communication to the SIOS data acquisition computer. Upon arrival to the laboratory, the analyst rebooted the SIOS and performed a manual ending resolution check. Although this ending resolution check was performed past the 12 hour analytical clock, all associated samples were analyzed within the 12 hour analytical clock and the resolution check indicates the instrument maintained greater than 10,000 resolution. No further corrective action was taken. AOC1-S9A-0.5 (320-81134-1), AOC6-S9B-4 (320-81134-20), (CCV 320-544985/17) and (CCV 320-544985/2).

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

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

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

Detection Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-2

Client Sample ID: AOC1-S9A-0.5 — Lab Sample ID: 320-81134-1

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.21	J q	0.95	0.10	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	0.35	J	4.8	0.17	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	0.39	J	4.8	0.18	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.37	J B	4.8	0.12	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.33	J q B	4.8	0.12	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.38	J q	4.8	0.11	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.29	J B	4.8	0.090	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.40	J B	4.8	0.090	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDF	0.19	J B	4.8	0.10	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.35	J B	4.8	0.096	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	2.6	J B	4.8	0.10	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	1.1	J B	4.8	0.12	pg/g	1		8290A	Total/NA
OCDD	16	B	9.5	0.19	pg/g	1		8290A	Total/NA
OCDF	1.6	J B	9.5	0.14	pg/g	1		8290A	Total/NA
2,3,7,8-TCDF - RA	0.73	J	0.95	0.20	pg/g	1		8290A	Total/NA

Client Sample ID: AOC1-S9A-0.5 DUP — Lab Sample ID: 320-81134-2

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.84	J	0.98	0.18	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	0.35	J	4.9	0.15	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	0.46	J	4.9	0.16	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.48	J B	4.9	0.20	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.37	J B	4.9	0.20	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.35	J	4.9	0.18	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.26	J B	4.9	0.14	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.38	J B	4.9	0.14	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.31	J B	4.9	0.15	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	3.1	J B	4.9	0.21	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	1.1	J q B	4.9	0.24	pg/g	1		8290A	Total/NA
OCDD	20	B	9.8	0.37	pg/g	1		8290A	Total/NA
OCDF	1.6	J B	9.8	0.30	pg/g	1		8290A	Total/NA

Client Sample ID: AOC1-S9A-2 — Lab Sample ID: 320-81134-3

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,4,7,8-HxCDD	0.29	J q B	4.7	0.080	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.11	J B	4.7	0.043	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.11	J B	4.7	0.043	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDF	0.19	J q B	4.7	0.049	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.12	J B	4.7	0.046	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.33	J B	4.7	0.021	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.15	J B	4.7	0.054	pg/g	1		8290A	Total/NA
OCDD	1.7	J B	9.4	0.084	pg/g	1		8290A	Total/NA
OCDF	0.54	J B	9.4	0.061	pg/g	1		8290A	Total/NA

Client Sample ID: AOC6-S9B-4 — Lab Sample ID: 320-81134-20

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,4,7,8-HxCDD	0.48	J q B	4.8	0.22	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.42	J q B	4.8	0.22	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.50	J B	4.8	0.10	pg/g	1		8290A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Client Sample ID: AOC6-S9B-4 (Continued)

Lab Sample ID: 320-81134-20

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,6,7,8-HxCDF	0.40	J B	4.8	0.10	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDF	0.40	J B	4.8	0.12	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.40	J B	4.8	0.11	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.45	J q B	4.8	0.049	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.48	J B	4.8	0.16	pg/g	1		8290A	Total/NA
OCDD	1.3	J B	9.5	0.20	pg/g	1		8290A	Total/NA
OCDF	0.64	J B	9.5	0.13	pg/g	1		8290A	Total/NA
2,3,7,8-TCDF - RA	0.57	J	0.95	0.086	pg/g	1		8290A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: AOC1-S9A-0.5

Date Collected: 11/01/21 09:25
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-1

Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	**0.21**	**J q**	0.95	0.10	pg/g		11/03/21 11:17	11/19/21 16:25	1
1,2,3,7,8-PeCDD	ND		4.8	0.12	pg/g		11/03/21 11:17	11/19/21 16:25	1
1,2,3,7,8-PeCDF	**0.35**	**J**	4.8	0.17	pg/g		11/03/21 11:17	11/19/21 16:25	1
2,3,4,7,8-PeCDF	**0.39**	**J**	4.8	0.18	pg/g		11/03/21 11:17	11/19/21 16:25	1
1,2,3,4,7,8-HxCDD	**0.37**	**J B**	4.8	0.12	pg/g		11/03/21 11:17	11/19/21 16:25	1
1,2,3,6,7,8-HxCDD	**0.33**	**J q B**	4.8	0.12	pg/g		11/03/21 11:17	11/19/21 16:25	1
1,2,3,7,8,9-HxCDD	**0.38**	**J q**	4.8	0.11	pg/g		11/03/21 11:17	11/19/21 16:25	1
1,2,3,4,7,8-HxCDF	**0.29**	**J B**	4.8	0.090	pg/g		11/03/21 11:17	11/19/21 16:25	1
1,2,3,6,7,8-HxCDF	**0.40**	**J B**	4.8	0.090	pg/g		11/03/21 11:17	11/19/21 16:25	1
1,2,3,7,8,9-HxCDF	**0.19**	**J B**	4.8	0.10	pg/g		11/03/21 11:17	11/19/21 16:25	1
2,3,4,6,7,8-HxCDF	**0.35**	**J B**	4.8	0.096	pg/g		11/03/21 11:17	11/19/21 16:25	1
1,2,3,4,6,7,8-HpCDD	**2.6**	**J B**	4.8	0.10	pg/g		11/03/21 11:17	11/19/21 16:25	1
1,2,3,4,6,7,8-HpCDF	**1.1**	**J B**	4.8	0.12	pg/g		11/03/21 11:17	11/19/21 16:25	1
1,2,3,4,7,8,9-HpCDF	ND		4.8	0.14	pg/g		11/03/21 11:17	11/19/21 16:25	1
OCDD	**16**	**B**	9.5	0.19	pg/g		11/03/21 11:17	11/19/21 16:25	1
OCDF	**1.6**	**J B**	9.5	0.14	pg/g		11/03/21 11:17	11/19/21 16:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*75*		*40 - 135*	*11/03/21 11:17*	*11/19/21 16:25*	*1*
13C-1,2,3,7,8-PeCDD	*78*		*40 - 135*	*11/03/21 11:17*	*11/19/21 16:25*	*1*
13C-1,2,3,7,8-PeCDF	*69*		*40 - 135*	*11/03/21 11:17*	*11/19/21 16:25*	*1*
13C-1,2,3,6,7,8-HxCDD	*78*		*40 - 135*	*11/03/21 11:17*	*11/19/21 16:25*	*1*
13C-1,2,3,4,7,8-HxCDF	*73*		*40 - 135*	*11/03/21 11:17*	*11/19/21 16:25*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*66*		*40 - 135*	*11/03/21 11:17*	*11/19/21 16:25*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*71*		*40 - 135*	*11/03/21 11:17*	*11/19/21 16:25*	*1*
13C-OCDD	*65*		*40 - 135*	*11/03/21 11:17*	*11/19/21 16:25*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	**0.73**	**J**	0.95	0.20	pg/g		11/03/21 11:17	11/22/21 00:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*88*		*40 - 135*	*11/03/21 11:17*	*11/22/21 00:27*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-2

Client Sample ID: AOC1-S9A-0.5 DUP
Date Collected: 11/01/21 09:25
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-2
Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.98	0.21	pg/g		11/03/21 11:17	11/19/21 17:13	1
2,3,7,8-TCDF	**0.84**	**J**	0.98	0.18	pg/g		11/03/21 11:17	11/19/21 17:13	1
1,2,3,7,8-PeCDD	ND		4.9	0.23	pg/g		11/03/21 11:17	11/19/21 17:13	1
1,2,3,7,8-PeCDF	**0.35**	**J**	4.9	0.15	pg/g		11/03/21 11:17	11/19/21 17:13	1
2,3,4,7,8-PeCDF	**0.46**	**J**	4.9	0.16	pg/g		11/03/21 11:17	11/19/21 17:13	1
1,2,3,4,7,8-HxCDD	**0.48**	**J B**	4.9	0.20	pg/g		11/03/21 11:17	11/19/21 17:13	1
1,2,3,6,7,8-HxCDD	**0.37**	**J B**	4.9	0.20	pg/g		11/03/21 11:17	11/19/21 17:13	1
1,2,3,7,8,9-HxCDD	**0.35**	**J**	4.9	0.18	pg/g		11/03/21 11:17	11/19/21 17:13	1
1,2,3,4,7,8-HxCDF	**0.26**	**J B**	4.9	0.14	pg/g		11/03/21 11:17	11/19/21 17:13	1
1,2,3,6,7,8-HxCDF	**0.38**	**J B**	4.9	0.14	pg/g		11/03/21 11:17	11/19/21 17:13	1
1,2,3,7,8,9-HxCDF	ND		4.9	0.16	pg/g		11/03/21 11:17	11/19/21 17:13	1
2,3,4,6,7,8-HxCDF	**0.31**	**J B**	4.9	0.15	pg/g		11/03/21 11:17	11/19/21 17:13	1
1,2,3,4,6,7,8-HpCDD	**3.1**	**J B**	4.9	0.21	pg/g		11/03/21 11:17	11/19/21 17:13	1
1,2,3,4,6,7,8-HpCDF	**1.1**	**J q B**	4.9	0.24	pg/g		11/03/21 11:17	11/19/21 17:13	1
1,2,3,4,7,8,9-HpCDF	ND		4.9	0.27	pg/g		11/03/21 11:17	11/19/21 17:13	1
OCDD	**20**	**B**	9.8	0.37	pg/g		11/03/21 11:17	11/19/21 17:13	1
OCDF	**1.6**	**J B**	9.8	0.30	pg/g		11/03/21 11:17	11/19/21 17:13	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*68*		*40 - 135*	*11/03/21 11:17*	*11/19/21 17:13*	*1*
13C-2,3,7,8-TCDF	*68*		*40 - 135*	*11/03/21 11:17*	*11/19/21 17:13*	*1*
13C-1,2,3,7,8-PeCDD	*79*		*40 - 135*	*11/03/21 11:17*	*11/19/21 17:13*	*1*
13C-1,2,3,7,8-PeCDF	*75*		*40 - 135*	*11/03/21 11:17*	*11/19/21 17:13*	*1*
13C-1,2,3,6,7,8-HxCDD	*73*		*40 - 135*	*11/03/21 11:17*	*11/19/21 17:13*	*1*
13C-1,2,3,4,7,8-HxCDF	*75*		*40 - 135*	*11/03/21 11:17*	*11/19/21 17:13*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*62*		*40 - 135*	*11/03/21 11:17*	*11/19/21 17:13*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*66*		*40 - 135*	*11/03/21 11:17*	*11/19/21 17:13*	*1*
13C-OCDD	*62*		*40 - 135*	*11/03/21 11:17*	*11/19/21 17:13*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-2

Client Sample ID: AOC1-S9A-2
Date Collected: 11/01/21 09:27
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-3
Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.94	0.092	pg/g		11/03/21 11:17	11/19/21 23:54	1
2,3,7,8-TCDF	ND		0.94	0.031	pg/g		11/03/21 11:17	11/19/21 23:54	1
1,2,3,7,8-PeCDD	ND		4.7	0.084	pg/g		11/03/21 11:17	11/19/21 23:54	1
1,2,3,7,8-PeCDF	ND		4.7	0.049	pg/g		11/03/21 11:17	11/19/21 23:54	1
2,3,4,7,8-PeCDF	ND		4.7	0.050	pg/g		11/03/21 11:17	11/19/21 23:54	1
1,2,3,4,7,8-HxCDD	**0.29**	**J q B**	4.7	0.080	pg/g		11/03/21 11:17	11/19/21 23:54	1
1,2,3,6,7,8-HxCDD	ND		4.7	0.080	pg/g		11/03/21 11:17	11/19/21 23:54	1
1,2,3,7,8,9-HxCDD	ND		4.7	0.074	pg/g		11/03/21 11:17	11/19/21 23:54	1
1,2,3,4,7,8-HxCDF	**0.11**	**J B**	4.7	0.043	pg/g		11/03/21 11:17	11/19/21 23:54	1
1,2,3,6,7,8-HxCDF	**0.11**	**J B**	4.7	0.043	pg/g		11/03/21 11:17	11/19/21 23:54	1
1,2,3,7,8,9-HxCDF	**0.19**	**J q B**	4.7	0.049	pg/g		11/03/21 11:17	11/19/21 23:54	1
2,3,4,6,7,8-HxCDF	**0.12**	**J B**	4.7	0.046	pg/g		11/03/21 11:17	11/19/21 23:54	1
1,2,3,4,6,7,8-HpCDD	**0.33**	**J B**	4.7	0.021	pg/g		11/03/21 11:17	11/19/21 23:54	1
1,2,3,4,6,7,8-HpCDF	**0.15**	**J B**	4.7	0.054	pg/g		11/03/21 11:17	11/19/21 23:54	1
1,2,3,4,7,8,9-HpCDF	ND		4.7	0.061	pg/g		11/03/21 11:17	11/19/21 23:54	1
OCDD	**1.7**	**J B**	9.4	0.084	pg/g		11/03/21 11:17	11/19/21 23:54	1
OCDF	**0.54**	**J B**	9.4	0.061	pg/g		11/03/21 11:17	11/19/21 23:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*61*		*40 - 135*	*11/03/21 11:17*	*11/19/21 23:54*	*1*
13C-2,3,7,8-TCDF	*57*		*40 - 135*	*11/03/21 11:17*	*11/19/21 23:54*	*1*
13C-1,2,3,7,8-PeCDD	*65*		*40 - 135*	*11/03/21 11:17*	*11/19/21 23:54*	*1*
13C-1,2,3,7,8-PeCDF	*57*		*40 - 135*	*11/03/21 11:17*	*11/19/21 23:54*	*1*
13C-1,2,3,6,7,8-HxCDD	*63*		*40 - 135*	*11/03/21 11:17*	*11/19/21 23:54*	*1*
13C-1,2,3,4,7,8-HxCDF	*59*		*40 - 135*	*11/03/21 11:17*	*11/19/21 23:54*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*68*		*40 - 135*	*11/03/21 11:17*	*11/19/21 23:54*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*63*		*40 - 135*	*11/03/21 11:17*	*11/19/21 23:54*	*1*
13C-OCDD	*68*		*40 - 135*	*11/03/21 11:17*	*11/19/21 23:54*	*1*

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-2

Client Sample ID: AOC6-S9B-4
Date Collected: 11/01/21 11:28
Date Received: 11/02/21 12:48

Lab Sample ID: 320-81134-20
Matrix: Solid

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.95	0.30	pg/g		11/03/21 11:17	11/20/21 00:42	1
1,2,3,7,8-PeCDD	ND		4.8	0.23	pg/g		11/03/21 11:17	11/20/21 00:42	1
1,2,3,7,8-PeCDF	ND		4.8	0.17	pg/g		11/03/21 11:17	11/20/21 00:42	1
2,3,4,7,8-PeCDF	ND		4.8	0.18	pg/g		11/03/21 11:17	11/20/21 00:42	1
1,2,3,4,7,8-HxCDD	**0.48**	**J q B**	4.8	0.22	pg/g		11/03/21 11:17	11/20/21 00:42	1
1,2,3,6,7,8-HxCDD	**0.42**	**J q B**	4.8	0.22	pg/g		11/03/21 11:17	11/20/21 00:42	1
1,2,3,7,8,9-HxCDD	ND		4.8	0.20	pg/g		11/03/21 11:17	11/20/21 00:42	1
1,2,3,4,7,8-HxCDF	**0.50**	**J B**	4.8	0.10	pg/g		11/03/21 11:17	11/20/21 00:42	1
1,2,3,6,7,8-HxCDF	**0.40**	**J B**	4.8	0.10	pg/g		11/03/21 11:17	11/20/21 00:42	1
1,2,3,7,8,9-HxCDF	**0.40**	**J B**	4.8	0.12	pg/g		11/03/21 11:17	11/20/21 00:42	1
2,3,4,6,7,8-HxCDF	**0.40**	**J B**	4.8	0.11	pg/g		11/03/21 11:17	11/20/21 00:42	1
1,2,3,4,6,7,8-HpCDD	**0.45**	**J q B**	4.8	0.049	pg/g		11/03/21 11:17	11/20/21 00:42	1
1,2,3,4,6,7,8-HpCDF	**0.48**	**J B**	4.8	0.16	pg/g		11/03/21 11:17	11/20/21 00:42	1
1,2,3,4,7,8,9-HpCDF	ND		4.8	0.18	pg/g		11/03/21 11:17	11/20/21 00:42	1
OCDD	**1.3**	**J B**	9.5	0.20	pg/g		11/03/21 11:17	11/20/21 00:42	1
OCDF	**0.64**	**J B**	9.5	0.13	pg/g		11/03/21 11:17	11/20/21 00:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*61*		*40 - 135*	*11/03/21 11:17*	*11/20/21 00:42*	*1*
13C-1,2,3,7,8-PeCDD	*66*		*40 - 135*	*11/03/21 11:17*	*11/20/21 00:42*	*1*
13C-1,2,3,7,8-PeCDF	*59*		*40 - 135*	*11/03/21 11:17*	*11/20/21 00:42*	*1*
13C-1,2,3,6,7,8-HxCDD	*64*		*40 - 135*	*11/03/21 11:17*	*11/20/21 00:42*	*1*
13C-1,2,3,4,7,8-HxCDF	*61*		*40 - 135*	*11/03/21 11:17*	*11/20/21 00:42*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*76*		*40 - 135*	*11/03/21 11:17*	*11/20/21 00:42*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*65*		*40 - 135*	*11/03/21 11:17*	*11/20/21 00:42*	*1*
13C-OCDD	*74*		*40 - 135*	*11/03/21 11:17*	*11/20/21 00:42*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	**0.57**	**J**	0.95	0.086	pg/g		11/03/21 11:17	11/22/21 01:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*77*		*40 - 135*	*11/03/21 11:17*	*11/22/21 01:06*	*1*

Toxicity Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-2

Client Sample ID: AOC1-S9A-0.5

Lab Sample ID: 320-81134-1

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	**0.21**	**J q**	0.95	0.10	pg/g	1	**0.21**	8290A
1,2,3,7,8-PeCDD	ND		4.8	0.12	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	**0.35**	**J**	4.8	0.17	pg/g	0.03	**0.011**	8290A
2,3,4,7,8-PeCDF	**0.39**	**J**	4.8	0.18	pg/g	0.3	**0.12**	8290A
1,2,3,4,7,8-HxCDD	**0.37**	**J B**	4.8	0.12	pg/g	0.1	**0.037**	8290A
1,2,3,6,7,8-HxCDD	**0.33**	**J q B**	4.8	0.12	pg/g	0.1	**0.033**	8290A
1,2,3,7,8,9-HxCDD	**0.38**	**J q**	4.8	0.11	pg/g	0.1	**0.038**	8290A
1,2,3,4,7,8-HxCDF	**0.29**	**J B**	4.8	0.090	pg/g	0.1	**0.029**	8290A
1,2,3,6,7,8-HxCDF	**0.40**	**J B**	4.8	0.090	pg/g	0.1	**0.040**	8290A
1,2,3,7,8,9-HxCDF	**0.19**	**J B**	4.8	0.10	pg/g	0.1	**0.019**	8290A
2,3,4,6,7,8-HxCDF	**0.35**	**J B**	4.8	0.096	pg/g	0.1	**0.035**	8290A
1,2,3,4,6,7,8-HpCDD	**2.6**	**J B**	4.8	0.10	pg/g	0.01	**0.026**	8290A
1,2,3,4,6,7,8-HpCDF	**1.1**	**J B**	4.8	0.12	pg/g	0.01	**0.011**	8290A
1,2,3,4,7,8,9-HpCDF	ND		4.8	0.14	pg/g	0.01	0.00	8290A
OCDD	**16**	**B**	9.5	0.19	pg/g	0.0003	**0.0048**	8290A
OCDF	**1.6**	**J B**	9.5	0.14	pg/g	0.0003	**0.00048**	8290A
2,3,7,8-TCDF - RA	**0.73**	**J**	0.95	0.20	pg/g	0.1	**0.073**	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.69	TEQ

Client Sample ID: AOC1-S9A-0.5 DUP

Lab Sample ID: 320-81134-2

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		0.98	0.21	pg/g	1	0.00	8290A
2,3,7,8-TCDF	**0.84**	**J**	0.98	0.18	pg/g	0.1	**0.084**	8290A
1,2,3,7,8-PeCDD	ND		4.9	0.23	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	**0.35**	**J**	4.9	0.15	pg/g	0.03	**0.011**	8290A
2,3,4,7,8-PeCDF	**0.46**	**J**	4.9	0.16	pg/g	0.3	**0.14**	8290A
1,2,3,4,7,8-HxCDD	**0.48**	**J B**	4.9	0.20	pg/g	0.1	**0.048**	8290A
1,2,3,6,7,8-HxCDD	**0.37**	**J B**	4.9	0.20	pg/g	0.1	**0.037**	8290A
1,2,3,7,8,9-HxCDD	**0.35**	**J**	4.9	0.18	pg/g	0.1	**0.035**	8290A
1,2,3,4,7,8-HxCDF	**0.26**	**J B**	4.9	0.14	pg/g	0.1	**0.026**	8290A
1,2,3,6,7,8-HxCDF	**0.38**	**J B**	4.9	0.14	pg/g	0.1	**0.038**	8290A
1,2,3,7,8,9-HxCDF	ND		4.9	0.16	pg/g	0.1	0.00	8290A
2,3,4,6,7,8-HxCDF	**0.31**	**J B**	4.9	0.15	pg/g	0.1	**0.031**	8290A
1,2,3,4,6,7,8-HpCDD	**3.1**	**J B**	4.9	0.21	pg/g	0.01	**0.031**	8290A
1,2,3,4,6,7,8-HpCDF	**1.1**	**J q B**	4.9	0.24	pg/g	0.01	**0.011**	8290A
1,2,3,4,7,8,9-HpCDF	ND		4.9	0.27	pg/g	0.01	0.00	8290A
OCDD	**20**	**B**	9.8	0.37	pg/g	0.0003	**0.0060**	8290A
OCDF	**1.6**	**J B**	9.8	0.30	pg/g	0.0003	**0.00048**	8290A

TEF Reference:

WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-2

Client Sample ID: AOC1-S9A-0.5 DUP (Continued)

Lab Sample ID: 320-81134-2

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.50	TEQ

Client Sample ID: AOC1-S9A-2

Lab Sample ID: 320-81134-3

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		0.94	0.092	pg/g	1	0.00	8290A
2,3,7,8-TCDF	ND		0.94	0.031	pg/g	0.1	0.00	8290A
1,2,3,7,8-PeCDD	ND		4.7	0.084	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	ND		4.7	0.049	pg/g	0.03	0.00	8290A
2,3,4,7,8-PeCDF	ND		4.7	0.050	pg/g	0.3	0.00	8290A
1,2,3,4,7,8-HxCDD	**0.29**	**J q B**	4.7	0.080	pg/g	0.1	**0.029**	8290A
1,2,3,6,7,8-HxCDD	ND		4.7	0.080	pg/g	0.1	0.00	8290A
1,2,3,7,8,9-HxCDD	ND		4.7	0.074	pg/g	0.1	0.00	8290A
1,2,3,4,7,8-HxCDF	**0.11**	**J B**	4.7	0.043	pg/g	0.1	**0.011**	8290A
1,2,3,6,7,8-HxCDF	**0.11**	**J B**	4.7	0.043	pg/g	0.1	**0.011**	8290A
1,2,3,7,8,9-HxCDF	**0.19**	**J q B**	4.7	0.049	pg/g	0.1	**0.019**	8290A
2,3,4,6,7,8-HxCDF	**0.12**	**J B**	4.7	0.046	pg/g	0.1	**0.012**	8290A
1,2,3,4,6,7,8-HpCDD	**0.33**	**J B**	4.7	0.021	pg/g	0.01	**0.0033**	8290A
1,2,3,4,6,7,8-HpCDF	**0.15**	**J B**	4.7	0.054	pg/g	0.01	**0.0015**	8290A
1,2,3,4,7,8,9-HpCDF	ND		4.7	0.061	pg/g	0.01	0.00	8290A
OCDD	**1.7**	**J B**	9.4	0.084	pg/g	0.0003	**0.00051**	8290A
OCDF	**0.54**	**J B**	9.4	0.061	pg/g	0.0003	**0.00016**	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.087	TEQ

Client Sample ID: AOC6-S9B-4

Lab Sample ID: 320-81134-20

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
2,3,7,8-TCDD	ND		0.95	0.30	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDD	ND		4.8	0.23	pg/g	1	0.00	8290A
1,2,3,7,8-PeCDF	ND		4.8	0.17	pg/g	0.03	0.00	8290A
2,3,4,7,8-PeCDF	ND		4.8	0.18	pg/g	0.3	0.00	8290A
1,2,3,4,7,8-HxCDD	**0.48**	**J q B**	4.8	0.22	pg/g	0.1	**0.048**	8290A
1,2,3,6,7,8-HxCDD	**0.42**	**J q B**	4.8	0.22	pg/g	0.1	**0.042**	8290A
1,2,3,7,8,9-HxCDD	ND		4.8	0.20	pg/g	0.1	0.00	8290A
1,2,3,4,7,8-HxCDF	**0.50**	**J B**	4.8	0.10	pg/g	0.1	**0.050**	8290A
1,2,3,6,7,8-HxCDF	**0.40**	**J B**	4.8	0.10	pg/g	0.1	**0.040**	8290A
1,2,3,7,8,9-HxCDF	**0.40**	**J B**	4.8	0.12	pg/g	0.1	**0.040**	8290A
2,3,4,6,7,8-HxCDF	**0.40**	**J B**	4.8	0.11	pg/g	0.1	**0.040**	8290A
1,2,3,4,6,7,8-HpCDD	**0.45**	**J q B**	4.8	0.049	pg/g	0.01	**0.0045**	8290A

TEF Reference:
WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-2

Client Sample ID: AOC6-S9B-4 (Continued)

Lab Sample ID: 320-81134-20

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
1,2,3,4,6,7,8-HpCDF	0.48	J B	4.8	0.16	pg/g	0.01	0.0048	8290A
1,2,3,4,7,8,9-HpCDF	ND		4.8	0.18	pg/g	0.01	0.00	8290A
OCDD	1.3	J B	9.5	0.20	pg/g	0.0003	0.00039	8290A
OCDF	0.64	J B	9.5	0.13	pg/g	0.0003	0.00019	8290A
2,3,7,8-TCDF - RA	0.57	J	0.95	0.086	pg/g	0.1	0.057	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2010 ND = 0 TEF	WHO 2010 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/g		0.33	TEQ

TEF Reference:

WHO 2010 = World Health Organization (WHO) 2010 TEF, Dioxins, Furans and PCB Congeners

Isotope Dilution Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-2

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCDD (40-135)	TCDF (40-135)	PeCDD (40-135)	PeCDF (40-135)	HxDD (40-135)	HxCDF (40-135)	HpCDD (40-135)	HpCDF (40-135)
320-81134-1	AOC1-S9A-0.5	75		78	69	78	73	66	71
320-81134-1 - RA	AOC1-S9A-0.5		88						
320-81134-2	AOC1-S9A-0.5 DUP	68	68	79	75	73	75	62	66
320-81134-3	AOC1-S9A-2	61	57	65	57	63	59	68	63
320-81134-20	AOC6-S9B-4	61		66	59	64	61	76	65
320-81134-20 - RA	AOC6-S9B-4		77						
LCS 320-539562/2-A	Lab Control Sample	61	61	64	62	66	65	66	68
LCSD 320-539562/3-A	Lab Control Sample Dup	62	62	66	64	66	67	66	67
MB 320-539562/1-A	Method Blank	68	64	60	62	71	71	75	73

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	OCDD (40-135)							
320-81134-1	AOC1-S9A-0.5	65							
320-81134-1 - RA	AOC1-S9A-0.5								
320-81134-2	AOC1-S9A-0.5 DUP	62							
320-81134-3	AOC1-S9A-2	68							
320-81134-20	AOC6-S9B-4	74							
320-81134-20 - RA	AOC6-S9B-4								
LCS 320-539562/2-A	Lab Control Sample	62							
LCSD 320-539562/3-A	Lab Control Sample Dup	66							
MB 320-539562/1-A	Method Blank	72							

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD
TCDF = 13C-2,3,7,8-TCDF
PeCDD = 13C-1,2,3,7,8-PeCDD
PeCDF = 13C-1,2,3,7,8-PeCDF
HxDD = 13C-1,2,3,6,7,8-HxCDD
HxCDF = 13C-1,2,3,4,7,8-HxCDF
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HpCDF = 13C-1,2,3,4,6,7,8-HpCDF
OCDD = 13C-OCDD

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-539562/1-A
Matrix: Solid
Analysis Batch: 544396

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539562

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.0	0.14	pg/g		11/03/21 11:17	11/19/21 10:51	1
2,3,7,8-TCDF	ND		1.0	0.044	pg/g		11/03/21 11:17	11/19/21 10:51	1
1,2,3,7,8-PeCDD	ND		5.0	0.16	pg/g		11/03/21 11:17	11/19/21 10:51	1
1,2,3,7,8-PeCDF	ND		5.0	0.086	pg/g		11/03/21 11:17	11/19/21 10:51	1
2,3,4,7,8-PeCDF	ND		5.0	0.089	pg/g		11/03/21 11:17	11/19/21 10:51	1
1,2,3,4,7,8-HxCDD	0.399	q J	5.0	0.16	pg/g		11/03/21 11:17	11/19/21 10:51	1
1,2,3,6,7,8-HxCDD	0.409	q J	5.0	0.16	pg/g		11/03/21 11:17	11/19/21 10:51	1
1,2,3,7,8,9-HxCDD	ND		5.0	0.15	pg/g		11/03/21 11:17	11/19/21 10:51	1
1,2,3,4,7,8-HxCDF	0.182	q J	5.0	0.081	pg/g		11/03/21 11:17	11/19/21 10:51	1
1,2,3,6,7,8-HxCDF	0.200	J	5.0	0.080	pg/g		11/03/21 11:17	11/19/21 10:51	1
1,2,3,7,8,9-HxCDF	0.296	q J	5.0	0.091	pg/g		11/03/21 11:17	11/19/21 10:51	1
2,3,4,6,7,8-HxCDF	0.183	J	5.0	0.086	pg/g		11/03/21 11:17	11/19/21 10:51	1
1,2,3,4,6,7,8-HpCDD	0.476	J	5.0	0.042	pg/g		11/03/21 11:17	11/19/21 10:51	1
1,2,3,4,6,7,8-HpCDF	0.281	J	5.0	0.10	pg/g		11/03/21 11:17	11/19/21 10:51	1
1,2,3,4,7,8,9-HpCDF	0.202	q J	5.0	0.11	pg/g		11/03/21 11:17	11/19/21 10:51	1
OCDD	1.64	J	10	0.15	pg/g		11/03/21 11:17	11/19/21 10:51	1
OCDF	0.535	J	10	0.092	pg/g		11/03/21 11:17	11/19/21 10:51	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*68*		*40 - 135*	*11/03/21 11:17*	*11/19/21 10:51*	*1*
13C-2,3,7,8-TCDF	*64*		*40 - 135*	*11/03/21 11:17*	*11/19/21 10:51*	*1*
13C-1,2,3,7,8-PeCDD	*60*		*40 - 135*	*11/03/21 11:17*	*11/19/21 10:51*	*1*
13C-1,2,3,7,8-PeCDF	*62*		*40 - 135*	*11/03/21 11:17*	*11/19/21 10:51*	*1*
13C-1,2,3,6,7,8-HxCDD	*71*		*40 - 135*	*11/03/21 11:17*	*11/19/21 10:51*	*1*
13C-1,2,3,4,7,8-HxCDF	*71*		*40 - 135*	*11/03/21 11:17*	*11/19/21 10:51*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*75*		*40 - 135*	*11/03/21 11:17*	*11/19/21 10:51*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*73*		*40 - 135*	*11/03/21 11:17*	*11/19/21 10:51*	*1*
13C-OCDD	*72*		*40 - 135*	*11/03/21 11:17*	*11/19/21 10:51*	*1*

Lab Sample ID: LCS 320-539562/2-A
Matrix: Solid
Analysis Batch: 544396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539562

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD	20.0	21.1		pg/g		105	77 - 130
2,3,7,8-TCDF	20.0	20.7		pg/g		104	79 - 137
1,2,3,7,8-PeCDD	100	111		pg/g		111	79 - 134
1,2,3,7,8-PeCDF	100	103		pg/g		103	81 - 134
2,3,4,7,8-PeCDF	100	107		pg/g		107	76 - 132
1,2,3,4,7,8-HxCDD	100	103		pg/g		103	65 - 144
1,2,3,6,7,8-HxCDD	100	104		pg/g		104	73 - 147
1,2,3,7,8,9-HxCDD	100	102		pg/g		102	80 - 143
1,2,3,4,7,8-HxCDF	100	96.1		pg/g		96	72 - 140
1,2,3,6,7,8-HxCDF	100	98.3		pg/g		98	63 - 152
1,2,3,7,8,9-HxCDF	100	97.2		pg/g		97	72 - 152
2,3,4,6,7,8-HxCDF	100	98.1		pg/g		98	72 - 151
1,2,3,4,6,7,8-HpCDD	100	105		pg/g		105	86 - 134
1,2,3,4,6,7,8-HpCDF	100	106		pg/g		106	81 - 137
1,2,3,4,7,8,9-HpCDF	100	106		pg/g		106	79 - 139

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-539562/2-A
Matrix: Solid
Analysis Batch: 544396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539562

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
OCDD			200	229		pg/g		115	80 - 137		
OCDF			200	246		pg/g		123	75 - 141		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*61*		*40 - 135*
13C-2,3,7,8-TCDF	*61*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*64*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*62*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*66*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*65*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*66*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*68*		*40 - 135*
13C-OCDD	*62*		*40 - 135*

Lab Sample ID: LCSD 320-539562/3-A
Matrix: Solid
Analysis Batch: 544396

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 539562

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,7,8-TCDD			20.0	22.5		pg/g		113	77 - 130	7	20
2,3,7,8-TCDF			20.0	22.8		pg/g		114	79 - 137	10	20
1,2,3,7,8-PeCDD			100	112		pg/g		112	79 - 134	1	20
1,2,3,7,8-PeCDF			100	110		pg/g		110	81 - 134	6	20
2,3,4,7,8-PeCDF			100	111		pg/g		111	76 - 132	4	20
1,2,3,4,7,8-HxCDD			100	108		pg/g		108	65 - 144	4	20
1,2,3,6,7,8-HxCDD			100	110		pg/g		110	73 - 147	5	20
1,2,3,7,8,9-HxCDD			100	109		pg/g		109	80 - 143	6	20
1,2,3,4,7,8-HxCDF			100	106		pg/g		106	72 - 140	10	20
1,2,3,6,7,8-HxCDF			100	107		pg/g		107	63 - 152	8	20
1,2,3,7,8,9-HxCDF			100	107		pg/g		107	72 - 152	10	20
2,3,4,6,7,8-HxCDF			100	109		pg/g		109	72 - 151	11	20
1,2,3,4,6,7,8-HpCDD			100	109		pg/g		109	86 - 134	5	20
1,2,3,4,6,7,8-HpCDF			100	106		pg/g		106	81 - 137	0	20
1,2,3,4,7,8,9-HpCDF			100	106		pg/g		106	79 - 139	0	20
OCDD			200	219		pg/g		110	80 - 137	5	20
OCDF			200	223		pg/g		111	75 - 141	10	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*62*		*40 - 135*
13C-2,3,7,8-TCDF	*62*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*66*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*64*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*66*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*67*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*66*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*67*		*40 - 135*
13C-OCDD	*66*		*40 - 135*

QC Association Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-2

Specialty Organics

Prep Batch: 539562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-1 - RA	AOC1-S9A-0.5	Total/NA	Solid	8290	
320-81134-1	AOC1-S9A-0.5	Total/NA	Solid	8290	
320-81134-2	AOC1-S9A-0.5 DUP	Total/NA	Solid	8290	
320-81134-3	AOC1-S9A-2	Total/NA	Solid	8290	
320-81134-20 - RA	AOC6-S9B-4	Total/NA	Solid	8290	
320-81134-20	AOC6-S9B-4	Total/NA	Solid	8290	
MB 320-539562/1-A	Method Blank	Total/NA	Solid	8290	
LCS 320-539562/2-A	Lab Control Sample	Total/NA	Solid	8290	
LCSD 320-539562/3-A	Lab Control Sample Dup	Total/NA	Solid	8290	

Analysis Batch: 544396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-1	AOC1-S9A-0.5	Total/NA	Solid	8290A	539562
320-81134-2	AOC1-S9A-0.5 DUP	Total/NA	Solid	8290A	539562
MB 320-539562/1-A	Method Blank	Total/NA	Solid	8290A	539562
LCS 320-539562/2-A	Lab Control Sample	Total/NA	Solid	8290A	539562
LCSD 320-539562/3-A	Lab Control Sample Dup	Total/NA	Solid	8290A	539562

Analysis Batch: 544400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-3	AOC1-S9A-2	Total/NA	Solid	8290A	539562
320-81134-20	AOC6-S9B-4	Total/NA	Solid	8290A	539562

Analysis Batch: 544985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81134-1 - RA	AOC1-S9A-0.5	Total/NA	Solid	8290A	539562
320-81134-20 - RA	AOC6-S9B-4	Total/NA	Solid	8290A	539562

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-2

Client Sample ID: AOC1-S9A-0.5

Lab Sample ID: 320-81134-1

Date Collected: 11/01/21 09:25

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290	RA		10.51 g	20.0 uL	539562	11/03/21 11:17	FC	TAL SAC
Total/NA	Analysis	8290A	RA	1			544985	11/22/21 00:27	KSS	TAL SAC
Total/NA	Prep	8290			10.51 g	20.0 uL	539562	11/03/21 11:17	FC	TAL SAC
Total/NA	Analysis	8290A		1			544396	11/19/21 16:25	GRB	TAL SAC

Client Sample ID: AOC1-S9A-0.5 DUP

Lab Sample ID: 320-81134-2

Date Collected: 11/01/21 09:25

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.17 g	20.0 uL	539562	11/03/21 11:17	FC	TAL SAC
Total/NA	Analysis	8290A		1			544396	11/19/21 17:13	GRB	TAL SAC

Client Sample ID: AOC1-S9A-2

Lab Sample ID: 320-81134-3

Date Collected: 11/01/21 09:27

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.67 g	20.0 uL	539562	11/03/21 11:17	FC	TAL SAC
Total/NA	Analysis	8290A		1			544400	11/19/21 23:54	GRB	TAL SAC

Client Sample ID: AOC6-S9B-4

Lab Sample ID: 320-81134-20

Date Collected: 11/01/21 11:28

Matrix: Solid

Date Received: 11/02/21 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290	RA		10.49 g	20.0 uL	539562	11/03/21 11:17	FC	TAL SAC
Total/NA	Analysis	8290A	RA	1			544985	11/22/21 01:06	KSS	TAL SAC
Total/NA	Prep	8290			10.49 g	20.0 uL	539562	11/03/21 11:17	FC	TAL SAC
Total/NA	Analysis	8290A		1			544400	11/20/21 00:42	GRB	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-2

Laboratory: Eurofins TestAmerica, Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
TEQ		Solid	Total Dioxin/Furan TEQ

Method Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-2

Method	Method Description	Protocol	Laboratory
8290A	Dioxins and Furans (HRGC/HRMS)	SW846	TAL SAC
TEQ	Total TEQ Calculation	Lab SOP	TAL SAC
8290	Soxhlet Extraction of Dioxins and Furans	SW846	TAL SAC

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

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

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: Cole School PEA

Job ID: 320-81134-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-81134-1	AOC1-S9A-0.5	Solid	11/01/21 09:25	11/02/21 12:48
320-81134-2	AOC1-S9A-0.5 DUP	Solid	11/01/21 09:25	11/02/21 12:48
320-81134-3	AOC1-S9A-2	Solid	11/01/21 09:27	11/02/21 12:48
320-81134-20	AOC6-S9B-4	Solid	11/01/21 11:28	11/02/21 12:48

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
phone 916 373.5600 fax 303.467 7248

Chain of Custody Record

#201272

320-81134

eurofins

TestAmerica Laboratories Inc. d/b/a Eurofins TestAmerica

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemecio	Date: 11/01/2021	COC No: 1
Ninyo & Moore	Email ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: TestAmerica	1 of 2 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNR
Alameda, California 94501	Analysis Turnaround Time			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below ____			Lab Sampling
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No.
Site: 1011 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	Sample Specific Notes.
AOC1-S9A-05	11/1/21	0925	G	Soil	1							X	X	X	X	
AOC1-S9A-05 DUP		0925										X	X	X	X	
AOC1-S9A-2		0927										X		X		
AOC1-S1-05		1210										X	X		X	
AOC1-S1-05 DUP		1210										X	X		X	
AOC1-S1-2		1212										X				
AOC1-S1-2 DUP		1212										X				
AOC4-S1-5		1159						X	X	X						
AOC4-S1-10		1200						X	X	X						
AOC4-S1-15		1201						X	X	X						
AOC4-S1-5 DUP		1159						X	X	X						

320-81134 Chain of Custody

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

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☐Disposal by Lab ☐Archive for ____ Months

Special Instructions/QC Requirements & Comments.
Hold samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp. (°C) Obs'd. ____ Corr'd. ____ Therm ID No. ____			
Relinquished by: Daysi Nemecio (secured location Alameda office)	Company: N&M	Date/Time: 11/2/21 15:27	Received by: Leslie Jang	Company: N&M	Date/Time: 11/2 11:46am
Relinquished by: Leslie Jang	Company: N&M	Date/Time: 11/2 11:46	Received by: [signature]	Company: ETA SJ	Date/Time: 11-2-21 11:46
Relinquished by: [signature]	Company: ETA SJ	Date/Time: 11/2/21 12:48	Received in Laboratory by: [signature]	Company: ETA SJ	Date/Time: 11/2/21 1248

5.0c°

Form No CA-C-WI-004, Rev 1 17 dated 6/27/2019

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12/15/2021 (Rev. 1)

Chain of Custody Record

320-81134

201273

eurofins

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento CA 95605-1500
phone 916.373.5600 fax 303.467 7248

Regulatory Program ☐DW ☐NPDES ☐RCRA ☐Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Nathan Diem	Site Contact: Daysi Nemecio	Date: 11/01/2021	COC No: 1
Ninyo & Moore	Email ndiem@ninyoandmoore.com	Lab Contact: Justinn Gonzales	Carrier: TAT America	2 of 2 COCs
2020 Challenger Drive, Suite 103	Tel/Fax: (510) 343-3000 ext. 15226			Sampler: DNR
Alameda, California 94501	**Analysis Turnaround Time**			For Lab Use Only:
(510) 343-3000	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(510) 343-3001	TAT if different from Below _____			Lab Sampling:
Project Name: Cole School PEA	☐ 2 weeks			Job / SDG No
Site: 1011 Union Street, Oakland	☐ 1 week			
P O # 403668001	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo (EPA Test Method 8015)	VOCs/TPHg (EPA Test Method 8260)	CAM 17 Metals (EPA Method 6010B/7471A)	PAHs (EPA Method 8270C SIM)	OCPs (EPA Test Method 8081A)	PCBs (EPA Test Method 8082A)	Dioxins/Furans (EPA Test Method 8290A)	Lead & Arsenic (EPA Test Method 6010)	VOCs (Method 624)	Sample Specific Notes.
AOC9-SG3-5	11/01/21	1037	G	Soil	1			X	X	X							
AOC9-SG3-10		1047						X	X	X							
AOC9-SG4-5		1000						X	X	X							
AOC9-SG4-10		1005						X	X	X							
AOC1-S2-0.5		1253										X	X		X		
AOC1-S2-2		1257										X					
AOC9-S2-5		1300						X	X	X							
AOC9-S2-10		1302						X	X	X							
AOC6-S9B-4		1128						X					X	X			
EB11012021		1350		H_2O	3			X		X	X	X	X				
TB11012021	~~11/01/21~~	~~0800~~		H_2O	3											X	

Preservation Used: 1= Ice, 2= HCl, 3= H_2SO_4; 4=HNO_3, 5=NaOH, 6= Other _____

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

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

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

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

Special Instructions/QC Requirements & Comments.

Hold samples for additional analysis

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp. (°C): Obs'd _____ Corr'd _____ Therm ID No.: _____		
Relinquished by: Daysi Nemecio (Courier Location: Alameda office)	Company: N&M	Date/Time: 11/1/21 1527	Received by: Leslie Jung	Company: N&M	Date/Time: 11/2 11 46am
Relinquished by: Leslie Jung	Company: N&M	Date/Time: 11/2 11 46	Received by:	Company: FIT SD	Date/Time: 11-2-21 11:46
Relinquished by:	Company: FIT SD	Date/Time: 11/2/21 1345	Received in Laboratory by:	Company: FedEx	Date/Time: 11/2/21 1245

5.0C°

Form No CA-C-WI-004, Rev 1 17 dated 6/27/2019

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247828.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 1 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81134-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/8/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Preservation Codes:

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

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290A/8290_P_Sox 17 Isomers List	6010B/3050B CAM 17 List, minus Mercury	8015B_DRO/3550B (MOD) DRO/MRO	8260B/5030B_SolidNAC (MOD) VOCs	8260B/CA_LUFTMS/5030B_SolidNAC GRO C4-C12	8015B_DRO/3510C_IVWT DRO/MRO	8081A/3510C_LVI Pesticides, Standard List	8082/3510C_LVI PCBs, Standard List	8270C_SIM/3510C_LVI PAHs	8260B/5030B VOCs, Standard List	Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
AOCI-S9A-0.5 (320-81134-1)	11/1/21	09:25 Pacific		Solid			X	X	X	X										1	
AOCI-S9A-0.5 DUP (320-81134-2)	11/1/21	09:25 Pacific		Solid			X	X	X	X										1	
AOCI-S9A-2 (320-81134-3)	11/1/21	09:27 Pacific		Solid				X		X										1	
AOCI-S1-0.5 (320-81134-4)	11/1/21	12:10 Pacific		Solid			X	X	X											1	
AOCI-S1-0.5 DUP (320-81134-5)	11/1/21	12:10 Pacific		Solid			X	X	X											1	
AOCI-S1-2 (320-81134-6)	11/1/21	12:12 Pacific		Solid				X												1	
AOCI-S1-2 DUP (320-81134-7)	11/1/21	12:12 Pacific		Solid				X												1	
AOC4-S1-5 (320-81134-8)	11/1/21	11:59 Pacific		Solid							X	X	X	X						1	
AOC4-S1-10 (320-81134-9)	11/1/21	12:00 Pacific		Solid							X	X	X	X						1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/2/21 1630	TAS		11/2/21 1630	BCL
2		11-2-21 1915	DCS		11/2/21 1915	EGTSAC
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.9 & 30

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247828.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 2 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81134-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/8/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290A/8290_P_Sox 17 Isomers List	6010B/3050B CAM 17 List, minus Mercury	8015B_DRO/3550B (MOD) DRO/MRO	8260B/5030B_SolidNAC (MOD) VOCs	8260B/CA_LUFTMS/5030B_SolidNAC GRO C4-C12	8015B_DRO/3510C_IVWT DRO/MRO	8081A/3510C_LVI Pesticides, Standard List	8082/3510C_LVI PCBs, Standard List	8270C_SIM/3510C_LVI PAHs	8260B/5030B VOCs, Standard List	Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
AOC4-S1-15 (320-81134-10)	11/1/21	12:01 Pacific		Solid							X	X	X	X						1	
AOC4-S1-15 DUP (320-81134-11)	11/1/21	11:59 Pacific		Solid							X	X	X	X						1	
AOCI-SG3-5 (320-81134-12)	11/1/21	10:37 Pacific		Solid							X	X	X	X						1	
AOC9-SG3-10 (320-81134-13)	11/1/21	10:47 Pacific		Solid							X	X	X	X						1	
AOC9-SG4-5 (320-81134-14)	11/1/21	10:00 Pacific		Solid							X	X	X	X						1	
AOC9-SG4-10 (320-81134-15)	11/1/21	10:05 Pacific		Solid							X	X	X	X						1	
AOCI-S2-0.5 (320-81134-16)	11/1/21	12:53 Pacific		Solid			X	X	X											1	
AOCI-S2-2 (320-81134-17)	11/1/21	12:57 Pacific		Solid				X												1	
AOC9-S2-5 (320-81134-18)	11/1/21	13:00 Pacific		Solid							X	X	X	X						1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/2/21 1630			11/2/21 1630	
2		11-2-21 1915	OCS		11/2/21 1915	FEDEX
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gonzales, Justinn	Carrier Tracking No(s):	COC No: 320-247828.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Justinn.Gonzales@Eurofinset.com	State of Origin: California	Page: Page 3 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-81134-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/8/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Cole School PEA	Project #: 32017058			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3050B (MOD) Lead, Arsenic	8081A/3546 (MOD) Standard List	8082/3546 (MOD) Standard List	8290A/8290_P_Sox 17 Isomers List	6010B/3050B CAM 17 List, minus Mercury	8015B_DRO/3550B (MOD) DRO/MRO	8260B/5030B_SolidNAC (MOD) VOCs	8260B/CA_LUFTMS/5030B_SolidNAC GRO C4-C12	8015B_DRO/3510C_IVWT DRO/MRO	8081A/3510C_LVI Pesticides, Standard List	8082/3510C_LVI PCBs, Standard List	8270C_SIM/3510C_LVI PAHs	8260B/5030B VOCs, Standard List	Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
AOC9-S2-10 (320-81134-19)	11/1/21	13:02 Pacific		Solid							X	X	X	X						1	
AOC6-S9B-4 (320-81134-20)	11/1/21	11:28 Pacific		Solid			X			X		X								1	
EB11012021 (320-81134-21)	11/1/21	13:50 Pacific		Water											X	X	X	X		2	
TB11012021 (320-81134-22)	11/1/21	08:00 Pacific		Water															X	3	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 11/2/21 1630	Company: EMAS	Received by:	Date/Time: 11/2/21 1630	Company: DCS
Relinquished by:	Date/Time: 11-2-21 1915	Company: DCS	Received by:	Date/Time: 11/2/21-1915	Company: EETSAC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81134-2

Login Number: 81134
List Number: 1
Creator: Garcia, Hilario A

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-81134-2

Login Number: 81134
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	2.9 & 3.0
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX C

Data Validation Tables

QUALITY ASSUANCE/QUALITY CONTROL – DATA VALIDATION

Ninyo & Moore has prepared this data validation memorandum to summarize the findings of a Level II data validation for analytical results of soil, groundwater, and soil vapor samples collected during the Preliminary Environmental Assessment conducted at the Central Administration Center at Cole Campus located at 1011 Union Street, Oakland, California.

The analytical data obtained from the soil and soil vapor sampling activities were assessed for quality assurance/quality control (QA/QC) to ensure the data met the requirements for its intended use. QA/QC procedures were implemented during the sampling to assure the project's data quality objectives were achieved, so that the sample, analysis and reporting activities provide data that are accurate, precise, representative and legally defensible.

This project's QA/QC tasks included maintaining appropriate field documentation, sample collection following standard environmental sampling and handling methodology, collecting equipment blanks, field duplicates, and analyzing trip blanks.

Ninyo & Moore reviewed TestAmerica Laboratories Inc. (TestAmerica) and Torrent Laboratory Inc. (Torrent) laboratory analytical reports in accordance with the U.S. EPA guidance documents, National Functional Guidelines for Superfund Organic and Inorganic Methods Data Review (U.S. EPA, 2017a and U.S. EPA, 2017b). A summary of the review is provided in Table C-1. All samples were submitted in accordance with the U.S. EPA analytical procedures without significant analytical testing issues.

Two samples analyzed for VOCs were analyzed one day outside of holding time. The project samples were all non-detect and have been qualified with a "UJ" flag. For a few analyses, sample dilution was required that resulted in elevated reporting limits.

TestAmerica and Torrent prepared and/or analyzed method blank (MB) samples, laboratory control samples/laboratory control sample duplicates (LCS/LCSD), matrix spikes/matrix spike duplicates (MS/MSD) and duplicate samples in accordance with their internal QC procedures. No significant issues were identified by the laboratories on their internal QC samples.

One batch LCS/LCSD exceeded acceptance limits. Project samples that were non-detect were not qualified. Field duplicates were reported as a relative percent difference (RPD) between duplicate and original samples in tables C-3 through C-7.

Concentrations were detected in 20 MBs during this PEA. Of these detections, 17 batches did not have concentrations detected in field samples or the concentrations in the field samples were greater than 10 times the concentration detected in the MB, so they were not qualified. Concentrations that were detected in the MB at a concentration less than 10 times the concentration detected in the field sample, concentrations were qualified with a "J" flag. If the concentrations that were detected in the MB at a concentration less than 10 times the concentration detected in the field sample, and both concentrations were detected between the reporting limit (RL) and method detection limit (MDL), concentrations were qualified with a "U" flag.

Concentrations were not detected in the trip blank (TB) sample or equipment blank samples (EB). TB and EB results are presented in table C-2.

In accordance with the QA/QC review, some analytical results are qualified as estimated concentrations as noted in this section and Table C-1. These estimated analytical results are denoted with a "J" flag on Table 1 through Table 7. No data were rejected during this data validation.

REFERENCES:

US EPA, 2017a, National Functional Guidelines for Superfund Organic Methods Data Review. Dated January.

US EPA, 2017b, National Functional Guidelines for Superfund Inorganic Methods Data Review. Dated January.

Table C1. Summary of Data Review

Sample or Batch Identification	Laboratory Data Flag / Comments	J Flag	Analyte(s)	Notes
TestAmerica: J80878-1, J80878-2, J80878-3, J80878-4, J80878-5				
AOC1-S3-0.5, AOC1/AOC8-S4-0.5, AOC1/AOC8-S4-0.5DUP, AOC1/AOC8-S4-2, AOC1-S6-0.5, AOC1/AOC7-S8-0.5, AOC1/AOC8-S10-0.5, AOC1-S11-0.5, AOC3/AOC8-S1A-0.5, AOC3/AOC8-S1A-2, AOC3-S1B-0.5, AOC3-S1C-2, EB10262021, AOC1/AOC8-S4-0.5, AOC1/AOC8-S4-0.5DUP, AOC1/AOC8-S10-0.5AOC1/AOC8-S4-2, AOC1/AOC8-S10-2, AOC3/AOC8-S1A-0.5, AOC3/AOC8-S1A-2, EB10262021	J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value	J	OCPs, SVOCs, PAHs and Metals	Detected above MDL but below RL
AOC3-S1B-0.5, AOC3-S2C-0.5, AOC3-S1B-2, AOC3-S1C-2, AOC3-S2B-2, AOC3-S2C-2, AOC1/AOC8-S4-0.5, AOC1/AOC8-S4-0.5DUP, AOC1/AOC8-S4-2, AOC1/AOC8-S10-0.5, AOC1/AOC8-S10-2, AOC3/AOC8-S1A-0.5, AOC3/AOC8-S1A-2, EB10262021	B = Compound was found in the blank and sample.	U, J, None	Lead, dioxin/furans	If concentrations detected in the project sample are less than 10x of those concentrations detected in the MB, project samples are qualified. Detections qualified with a U if they are detected between the RL and the MDL
AOC1-S3-0.5, AOC1/AOC8-S4-0.5, and AOC1/AOC8-S4-0.5DUP	P = The %RPD between the primary and confirmation column/detector is >40%. The higher value has been reported	None	cis-Chlordane, 4,4'-DDE	Surrogate and MS/MSD within project control limits. No qualifiers.
AOC1-S3-0.5	p = The %RPD between the primary and confirmation column/detector is >40%. The higher value has been reported.	None	cis-Chlordane	Surrogate and MS/MSD within project control limits. No qualifiers.
AOC3/AOC8-S1A-0.5, AOC2-S12-0.5, AOC3-S2C-0.5, AOC3-S1B-2	F1 = MS and/or MSD recovery is outside acceptance limits.	None	OCPs, PCB-1260, Lead	MS and/or MSD recovery is outside acceptance limits due to matrix interference and sample dilution. Field samples were non-detect; project samples not qualified.
AOC3-S2B-0.5, AOC3-S1B-0.5	F2 = MS/MSD RPD exceeds control limits	None	PCBs, Lead	MSD RPD is outside acceptance limits. LCS is within range. No qualifiers
Batch 539464, Batch 549638	Compounds were found in the method blank and sample.	None	Lead	Concentrations detected in the project sample are greater than 10x the concentrations detected in the MB. No qualifiers.
Batch 542535	Compounds were found in the method blank and sample.	J	dioxin/furans	Concentrations detected in the project sample are less than 10x the concentrations detected in the MB. Samples with detections qualified.

Table C1. Summary of Data Review

Sample or Batch Identification	Laboratory Data Flag / Comments	J Flag	Analyte(s)	Notes
TestAmerica: J80943-1, J80943-2, J80943-3				
AOC3-S4A-0.5, AOC3-S5A-0.5, AOC3-S5A-2, AOC3/AOC8-S5B-0.5, AOC3-S6A-0.5, AOC3/AOC10-S8A-0.5, AOC3/AOC10-S8A-2, AOC3/AOC10-S8B-0.5, AOC3/AOC10-S8B-0.5, AOC3/AOC10-S8B-2, AOC3/AOC10-S9C-0.5, AOC3/AOC10-S9C-0.5DUP, AOC3/AOC10-S9C-2, AOC3-S8D-0.5, AOC3-S7D-0.5, AOC3-S7D-2, AOC3-S1D-0.5, AOC3-S3E-0.5, AOC3-S4E-0.5, AOC3/AOC8-S5B-0.5, AOC3/AOC8-S5B-2, AOC3/AOC8-S8C-0.5, AOC3/AOC8-S8C-2, AOC3/AOC8-S2D-0.5, AOC3/AOC8-S2D-2, AOC3/AOC8-S1E-0.5, AOC3/AOC8-S1E-2	J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value	J	OCPs, PAHs, Metals, PCB-1260	Detected above MDL but below RL
AOC3-S3B-0.5, AOC3-S5A-0.5, AOC3-S7A-0.5, AOC3/AOC10-S9C-2, AOC3-S5C-0.5, AOC3-S5C-2, AOC3-S4C-0.5, AOC3-S3B-2	F1 = MS and/or MSD recovery is outside acceptance limits.	None	OCPs, metals, Benzo[g,h,i]perylene	MS and/or MSD recovery is outside acceptance limits due to matrix interference and sample dilution. Field samples were non-detect; project samples not qualified.
AOC3-S5A-0.5, AOC3-S8D-0.5	P = The %RPD between the primary and confirmation column/detector is >40%. The higher value has been reported	None	4,4'-DDT, PCB-1260	Surrogate and MS/MSD within project control limits. No qualifiers.
AOC3/AOC10-S9C-2, AOC3-S5C-0.5, AOC3-S4C-0.5	F2 = MS/MSD RPD exceeds control limits	None	OCPS, Benzo[g,h,i]perylene	MSD RPD is outside acceptance limits. LCS is within range. No qualifiers
AOC3-S2E-0.5, AOC3-S3E-0.5, AOC3-S3D-0.5, AOC3-S4D-0.5, AOC3/AOC8-S5B-0.5, AOC3/AOC8-S5B-2, AOC3/AOC8-S8C-0.5, AOC3/AOC8-S8C-2, AOC3/AOC8-S2D-0.5, AOC3/AOC8-S2D-2, AOC3/AOC8-S1E-0.5, AOC3/AOC8-S1E-2	B = Compound was found in the blank and sample.	U, J, None	lead, dioxin/furans	If concentrations detected in the project sample are less than 10x of those concentrations detected in the MB, project samples are qualified. Detections qualified with a U if they are detected between the RL and the MDL
AOC3/AOC8-S5B-0.5, AOC3/AOC8-S5B-2, AOC3/AOC8-S8C-0.5, AOC3/AOC8-S8C-2, AOC3/AOC8-S2D-0.5, AOC3/AOC8-S2D-2, AOC3/AOC8-S1E-0.5, AOC3/AOC8-S1E-2	q = The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.	J	dioxin/furans	Results are estimated. Detections are qualified.
Batch-541728	Compounds were found in the method blank and sample.	J	dioxin/furans	Concentrations detected in the project sample are less than 10x the concentrations detected in the MB. Samples with detections qualified.

Table C1. Summary of Data Review

Sample or Batch Identification	Laboratory Data Flag / Comments	J Flag	Analyte(s)	Notes
TestAmerica: J80942-1, J80942-2, J80942-3				
AOC3-S6D-0.5, AOC3-S6G-0.5, AOC3-S2F-0.5, AOC3-S2F-0.5 DUP, AOC3/AOC8-S6E-0.5, AOC3/AOC8-S6E-2, AOC3/AOC8-S3G-0.5, AOC3/AOC8-S3G-2, AOC3/AOC8-S3G-2, AOC3-S5G-2, AOC3-S2G-2, AOC3-S2F-2	J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value	J	Metals, dioxin/furans	Detected above MDL but below RL
AOC3-S6D-0.5, AOC3-S6G-0.5, AOC3-S2H-2, AOC3-S5I-0.5, AOC3-S6D-2	F1 = MS and/or MSD recovery is outside acceptance limits.	None	metals	MS and/or MSD recovery is outside acceptance limits due to matrix interference and sample dilution. Field samples were non-detect; project samples not qualified.
AOC3-S6G-0.5, AOC3-S2H-2, AOC3-S5I-0.5, AOC3-S6D-2	F2 = MS/MSD RPD exceeds control limits	None	OCPs	MSD RPD is outside acceptance limits. LCS is within range. No qualifiers
AOC3-S6D-0.5, AOC3-S5D--0.5, AOC3-S5E-0.5, AOC3/AOC8-S6E-0.5, AOC3-S8E-0.5, AOC3-S9E-0.5, AOC3-S9E-0.5 DUP, AOC3-S7E-0.5, AOC3-S6F-0.5, AOC3-S6G-0.5, AOC3-S5F-0.5, AOC3-S4F-0.5, AOC3-S3F-0.5, AOC3/AOC8-S3G-0.5, AOC3-S4G-0.5, AOC3-S5G-0.5, AOC3-S2G-0.5, AOC3-S2H-0.5, AOC3-S2F-0.5, AOC3-S2F-0.5 DUP, AOC3/AOC8-S6E-0.5, AOC3/AOC8-S6E-2, AOC3/AOC8-S3G-0.5, AOC3/AOC8-S3G-2	B = Compound was found in the blank and sample.	U, None	lead, OCPs, dioxin/furans	If concentrations detected in the project sample are less than 10x of those concentrations detected in the MB, project samples are qualified. Detections qualified with a U if they are detected between the RL and the MDL
AOC3/AOC8-S6E-0.5, AOC3/AOC8-S6E-2, AOC3/AOC8-S3G-0.5	q = The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.	J	dioxin/furans	Results are estimated. Detections are qualified.
Batch 539464, Batch 544394	Compounds were found in the method blank and sample.	None	Lead, dioxin/furans	Concentrations detected in the project samples are greater than 10x the concentrations detected in the MB. No qualifiers.
Batch 542008	Compounds were found in the method blank and sample.	J, None	dioxin/furans	Concentrations detected in the project sample greater than 10x the concentrations detected in the MB are not qualified; project samples less than 10X the concentrations detected in the MB are qualified

Table C1. Summary of Data Review

Sample or Batch Identification	Laboratory Data Flag / Comments	J Flag	Analyte(s)	Notes
TestAmerica: J80944-1, J80944-2, J80944-3				
AOC3-S1I-0.5, AOC3-S6I-0.5, AOC3-S9G-0.5, AOC3/AOC8-S9I-0.5, AOC3/AOC8-S9I-0.5 DUP, AOC3/AOC8-S6H-2, AOC3/AOC8-S9I-0.5, AOC3/AOC8-S9I-2, EB10292021	J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value	J	PCB-1254, metals, dioxin/furans	Detected above MDL but below RL
AOC3-S1I-0.5	P = The %RPD between the primary and confirmation column/detector is >40%. The higher value has been reported	None	PCB-1254, dioxin/furans	Surrogate and MS/MSD within project control limits. No qualifiers.
AOC3-S6I-0.5, AOC3-S6I-0.5-DUP, AOC3-S7H-0.5, AOC3/AOC8-S9I-0.5, AOC3/AOC8-S9I-0.5 DUP, AOC3/AOC8-S6H-2, AOC3/AOC8-S9I-0.5, AOC3/AOC8-S9I-0.5 DUP, AOC3/AOC8-S9I-2, EB10292021	B = Compound was found in the blank and sample.	U, None	metals,	If concentrations detected in the project sample are less than 10x of those concentrations detected in the MB, project samples are qualified. Detections qualified with a U if they are detected between the RL and the MDL
AOC3-S8H-0.5, AOC3-S7I-0.5	F1 = MS and/or MSD recovery is outside acceptance limits.	None	OCPs	MS and/or MSD recovery is outside acceptance limits due to matrix interference and sample dilution. Field samples were non-detect; project samples not qualified.
AOC3-S8H-0.5	F2 = MS/MSD RPD exceeds control limits	None	OCPs	MSD RPD is outside acceptance limits. LCS is within range. No qualifiers
AOC3/AOC8-S9I-0.5, AOC3/AOC8-S9I-0.5 DUP, AOC3/AOC8-S9I-2, EB10292021	q = The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.	J	dioxin/furans	Results are estimated. Detections are qualified.
Batch-540856, Batch 544394	Compounds were found in the method blank and sample.	None	metals,dioxin/furans	Concentrations detected in the project samples are greater than 10x the concentrations detected in the MB. No qualifiers.
TestAmerica: J81134-1, J81134-2				
AOC1-S1-0.5, AOC4-S1-5, AOC1-S1-0.5 DUP, AOC4-S1-15, AOC4-S1-5 DUP, AOC9-SG3-5, AOC9-SG3-10, AOC9-SG4-5, AOC9-SG4-10, AOC1-S2-0.5, AOC9-S2-5, AOC9-S2-10, EB11012021, TB11012021, AOC1-S9A-0.5, AOC1-S9A-0.5 DUP, AOC1-S9A-2, AOC6-S9B-4	J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value	J	4,4'-DDT, PCB-1260, TPHmo, metals, VOCs, dioxin/furans	Detected above MDL but below RL
AOC1-S9A-0.5, AOC1-S1-0.5 DUP	F1 = MS and/or MSD recovery is outside acceptance limits.	None	OCPs, PCB-1260	MS and/or MSD recovery is outside acceptance limits due to matrix interference and sample dilution. Field samples were non-detect; project samples not qualified.

Table C1. Summary of Data Review

Sample or Batch Identification	Laboratory Data Flag / Comments	J Flag	Analyte(s)	Notes
AOC1-S9A-0.5, AOC1-S1-0.5 DUP	F2 = MS/MSD RPD exceeds control limits	None	OCPs, PCB-1016	MSD RPD is outside acceptance limits. LCS is within range. No qualifiers
AOC1-S1-0.5 DUP, AOC1-S2-0.5	P = The %RPD between the primary and confirmation column/detector is >40%. The higher value has been reported	None	PCB-1254, dioxin/furans	Surrogate and MS/MSD within project control limits. No qualifiers.
AOC4-S1-5, AOC4-S1-10	H = Sample was prepped or analyzed beyond the specified holding time	U	VOCs, TPHg	Samples were analyzed 1 day past hold time. Field samples were nondetect and qualified
AOC4-S1-5, AOC4-S1-10, AOC4-S1-15, AOC4-S1-5 DUP, AOC9-SG3-5, AOC9-SG3-10, AOC9-SG4-5, AOC9-SG4-10, AOC9-S2-5, AOC9-S2-10, AOC1-S9A-0.5, AOC1-S9A-0.5 DUP, AOC1-S9A-2, AOC6-S9B-4	B = Compound was found in the blank and sample.	U, None	metals, dioxin/furans	If concentrations detected in the project sample are less than 10x of those concentrations detected in the MB, project samples are qualified. Detections qualified with a U if they are detected between the RL and the MDL
AOC4-S1-15	*3 = ISTD response or retention time outside acceptable limits.	None	VOCs	The sample(s) was re-analyzed and ISTD response was outside control limits. The original analysis has been reported.no concentrations detected above the RLs in the field samples. No qualifier.
AOC9-SG3-10	* = LCS or LCSD is outside acceptance limits.	None	VOCs	LCS exceeds the upper range of the percent recovery limits, no concentrations detected above the RLs in the field samples. No qualifier.
AOC1-S9A-0.5, AOC1-S1-0.5 DUP, AOC1-S9A-2, AOC6-S9B-4	q = The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.	J	dioxin/furans	Results are estimated. Detections are qualified.
Batch 541574	Compounds were found in the method blank and sample.	None	metals	Concentrations detected in the project samples are greater than 10x the concentrations detected in the MB. No qualifiers.
Batch 542727	LCS or LCSD is outside acceptance limits.	None	VOCs	LCS/LCSD recoveries were above the upper range. Project samples were nondetect. No qualifiers.
Torrent: 2111530A				
AOC5-S7-0.5, AOC5-S7-2.0, AOC5-S7-5.0 Dup	E = Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument	J	dioxin/furans	Values reported with an E qualifier should be considered as estimated.
Torrent: 2111198				
AOC5-S7-0.5, AOC5-S7-2.0, AOC5-S7-5.0 Dup	E = Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument	J	dioxin/furans	Values reported with an E qualifier should be considered as estimated.

Table C1. Summary of Data Review

Sample or Batch Identification	Laboratory Data Flag / Comments	J Flag	Analyte(s)	Notes

Notes:

VOCs- volatile organic compounds, analyzed by EPA Method 8260B

OCPs - organochlorine pesticides, analyzed by EPA Method 8270C SIM

PCBs - polychlorinated biphenyls, analyzed by EPA Method 8082

TPHd and TPHmo - TPH as diesel and as motor oil, analyzed by EPA Method 8015B

TPHg - total petroleum hydrocarbons as gasoline, analyzed by EPA Method 8260B

Metals analyzed by Environmental Protection Agency (EPA) Method 6010B; mercury analyzed by EPA Method 7471A

Data validation conducted using the EPA August 2016 National Functional Guidelines for Superfund Organic and Inorganic Methods Data Review

RL - reporting limit

MDL - method detection limit

%RPD - percent relative difference

MB - method blank

EB - equipment blank

TB - trip blank

RPD - relative percent difference

MS/MSD - matrix spike/matrix spike duplicate

LCS/LCSD - laboratory control spike, laboratory control spike duplicate

CCB - continuing calibration blank

CCV - continuing calibration verification

BS - blank spike

J = concentration is considered estimated

UJ - concentration not detected, estimated detection limit

Table C-2. Equipment Blank and Trip Blank Detections

Sample ID	Date Collected	Arsenic	Lead	Other Metals	OCPS	PCBS	PAHs	TPHd and TPHmo	VOCs	SVOCs	Dioxins/ Furans
		(mg/L)			µg/L						pg/L
EB10262021	10/26/2021	ND<0.10	ND<0.05	ND	ND	ND	--	--	--	--	ND
EB10282021	10/28/2021	ND<0.10	ND<0.05	ND	ND	ND	--	--	--	--	ND
EB10292021	10/29/2021	ND<0.10	ND<0.05	ND	ND	ND	--	--	--	--	ND
EB11012021	11/1/2021	ND<0.10	ND<0.05	ND	ND	ND	ND	ND	--	--	--
EB11162021	11/16/2021	ND<0.05	ND<0.05	ND	--	--	--	--	--	ND	ND
TB11012021	11/1/2021	--	--	--	--	--	--	--	ND	--	--

Notes:

-- - not analyzed

µg/L – milligrams per liter

mg/L micrograms per liter

pg/L picograms per liter

ND - not detected above the labratory reporting limit

ND<X – analyte not detected at or above laboratory reporting limit X

Arsenic, lead and other metals analyzed by Environmental Protection Agency (EPA) Method 6010B

Dioxions/Furans analyzed by EPA Method 8290A.

OCPs - organochlorine pesticides analyzed using EPA Method 8081A

PCBs - polychlorinated biphenyls, analyzed by EPA Method 8082

PAHs - polyaromatic hydrocarbons, analyzed by Environmental Protection Agency (EPA) Method 8270C SIM

TPHd - total petroleum hydrocarbons as diesel analyzed by EPA Method 8015B.

TPHmo- total petroleum hydrocarbons as motor oil analyzed by EPA Method 8015B.

VOCs- volatile organic compounds, analyzed by EPA Method 8260B

Table C-3. RPD Calculations for Duplicate Title 22 Metals

Sample ID	Depth (feet bgs)	Date Collected	Arsenic	Lead	Antimony	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Molybdenum	Mercury	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
											(mg/Kg)								
AOC1-S1-0.5	0.5	11/01/21	6.7	430	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1-S1-0.5 DUP	0.5	11/01/21	4.0	480	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Relative Percent Difference			50%	11%															
AOC1/AOC8-S4-0.5	0.5	10/26/21	7.4	730	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1/AOC8-S4-0.5 DUP	0.5	10/26/21	9.2	620	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Relative Percent Difference			22%	16%															
AOC1-S9A-0.5	0.5	10/26/21	5.1	60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1-S9A-0.5 DUP	0.5	10/26/21	4.7	72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Relative Percent Difference			8%	18%															
AOC2-S12-0.5	0.5	10/26/21	3.4	54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC2-S12-0.5 DUP	0.5	10/26/21	3.1	52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Relative Percent Difference			9%	4%															
AOC3-S2F-0.5	0.5	10/28/21	8.9	5.9	2.1	84	0.29	ND<0.12	8.8	6.6	13	ND<1.2	ND<0.083	14	ND<1.2	ND<0.29	ND<1.2	23	58
AOC3-S2F-0.5 DUP	0.5	10/28/21	13.0	12	ND<1.9	140	0.46	0.2	12	11	29	ND<1.9	ND<0.085	19	ND<1.9	ND<0.47	ND<1.9	33	96
Relative Percent Difference			37%	68%	NA	50%	45%	NA	31%	50%	76%	NA	NA	30%	NA	NA	NA	36%	49%
AOC3-S6I-0.5	0.5	10/29/21	3.7	250	12	280	0.70	ND<0.19	26	5.6	20	ND<1.9	ND<0.081	22	ND<1.9	ND<0.49	ND<1.9	25	85
AOC3-S6I-0.5 DUP	0.5	10/29/21	3.8	150	12	150	0.58	0.19	22	5.6	16	ND<1.9	ND<0.083	21	ND<1.9	ND<0.49	ND<1.9	23	87
Relative Percent Difference			3%	50%	0%	60%	19%	NA	17%	0%	22%	NA	NA	5%	NA	NA	NA	8%	2%
AOC3/AOC10-S9C-0.5	0.5	10/27/21	ND<2.6	600	ND<3.1	110	0.31	0.63	17	5.2	29	ND<0.52	0.12	18	ND<5.2	ND<1.0	ND<5.2	15	120
AOC3/AOC10-S9C-0.5 DUP	0.5	10/27/21	ND<2.5	120	ND<3	73	ND<0.25	0.50	0.5	4.3	14	ND<0.5	0.15	13	ND<5.0	ND<1.0	ND<5	11	86
Relative Percent Difference			NA	**133%**	NA	40%	NA	23%	**189%**	19%	70%	NA	22%	32%	NA	NA	NA	31%	33%
AOC3-S9E-0.5	0.5	10/28/21	7.4	130	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC3-S9E-0.5DUP	0.5	10/28/21	2.8	49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Relative Percent Difference			90%	91%															
AOC3/AOC8-S9I-0.5	1	10/29/21	7.6	190	8.9	88	0.43	0.25	23	5.7	17	ND<2	ND<0.082	17	ND<2	ND<0.5	ND<2	25	170
AOC3/AOC8-S9I-0.5DUP	0.5	10/29/21	4.4	250	11	150	0.49	ND<0.2	28	4.3	15	ND<2	0.2	16	ND<2	ND<0.49	ND<2	22	74
Relative Percent Difference			53%	27%	21%	52%	13%	NA	20%	28%	13%	NA	NA	6%	NA	NA	NA	13%	79%
AOC4-S1-5	5	11/01/21	3.7	12	11	60	0.6	ND<0.2	50	7.5	9.0	ND<2	ND<0.086	36	ND<2	ND<0.49	ND<2	31	28
AOC4-S1-5 DUP	5	11/01/21	2.8	32	11	56	0.6	ND<0.2	42	5.5	8.0	ND<2	ND<0.085	32	ND<2	ND<0.49	ND<2	26	26
Relative Percent Difference			28%	91%	0%	7%	5%	NA	17%	31%	12%	NA	NA	12%	NA	NA	NA	18%	7%
AOC5-S7-5	5	11/16/21	3.1	ND<3	ND<5	55	ND<5	ND<5	40	6.1	8.7	ND<5	ND<0.5	35	ND<5	ND<1	ND<5	30	23
AOC5-S7-5 DUP	5	11/16/21	3.1	3.1	ND<5	59	ND<5	ND<5	41	6.2	9.4	ND<5	ND<0.5	37	ND<5	ND<1	ND<5	32	25
Relative Percent Difference			0%	NA	NA	6%	NA	NA	3%	2%	8%	NA	NA	4%	NA	NA	NA	5%	8%
AOC1/AOC8-S4-0.5	1	10/26/21	7.4	730.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AOC1/AOC8-S4-0.5 DUP	1	10/26/21	9.2	620.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Relative Percent Difference			22%	16%															
AOC3/AOC8-S9I-0.5	1	10/29/21	7.6	190	8.9	88	0.43	0.25	23	5.7	17	ND<2	ND<0.082	17	ND<2	ND<0.5	ND<2	25	170
AOC3/AOC8-S9I-0.5DUP	0.5	10/29/21	4.4	250	11	150	0.49	ND<0.2	28	4.3	15	ND<2	0.2	16	ND<2	ND<0.49	ND<2	22	74
Relative Percent Difference			53%	27%	21%	52%	13%	NA	20%	28%	13%	NA	NA	6%	NA	NA	NA	13%	79%

Notes:

Metals analyzed by Environmental Protection Agency (EPA) Method 6010B; mercury analyzed by EPA Method 7471A

-- - not analyzed

bgs – below ground surface

mg/Kg – milligrams per kilogram

ND<X – analyte not detected at or above laboratory reporting limit X

Bold - indicates the RPD exceeds the project limit of 100%

Table C-4. RPD Calculations for Duplicate OCP and PCB Soil Samples

Sample ID	Depth (feet bgs)	Date Collected	OCPs						PCBs	
			4,4'-DDE	4,4'-DDT	cis-Chlordane	Dieldrin	trans-Chlordane	Other OCPs	PCB-1260	Other PCBs
			µg/kg							
AOC1-S1-0.5	0.5	11/01/21	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND	ND<33	ND
AOC1-S1-0.5 DUP	0.5	11/01/21	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND	ND<66	ND
Relative Percent Difference			NA	NA	NA	NA	NA	NA	NA	NA
AOC1-S1-2	2.0	11/01/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND	--	--
AOC1-S1-2 DUP	2.0	11/01/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND	--	--
Relative Percent Difference			NA	NA	NA	NA	NA	NA	--	--
AOC1/AOC8-S4-0.5	0.5	10/26/21	15	31	62	45	23	ND	43	ND
AOC1/AOC8-S4-0.5 DUP	0.5	10/26/21	13	27	70	18	25	ND	37	ND
Relative Percent Difference			14%	14%	12%	86%	8%	NA	15%	NA
AOC1/AOC7-S8-2	2.0	10/26/21	ND<3.2	ND<3.2	ND<3.2	ND<3.2	ND<3.2	ND	ND<31	ND
AOC1/AOC7-S8-2 DUP	2.0	10/26/21	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND	ND<33	ND
Relative Percent Difference			NA	NA	NA	NA	NA	NA	NA	NA
AOC1-S9A-0.5	2.0	10/26/21	ND<17	ND<17	ND<17	ND<17	ND<17	ND	ND<33	ND
AOC1-S9A-0.5 DUP	2.0	10/26/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND	ND<32	ND
Relative Percent Difference			NA	NA	NA	NA	NA	NA	NA	NA
AOC2-S12-0.5	2.0	10/26/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND	ND<32	ND
AOC2-S12-0.5 DUP	0.5	10/26/21	ND<8.1	ND<8.1	ND<8.1	ND<8.1	ND<8.1	ND	ND<31	ND
Relative Percent Difference			NA	NA	NA	NA	NA	NA	NA	NA
AOC2-S12-2	2.0	10/26/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND	--	--
AOC2-S12-2 DUP	2.0	10/26/21	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND	--	--
Relative Percent Difference			NA	NA	NA	NA	NA	NA	--	--
AOC3-S2F-0.5	0.5	10/28/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND	ND<32	ND
AOC3-S2F-0.5DUP	0.5	10/28/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND	ND<32	ND
Relative Percent Difference			NA	NA	NA	NA	NA	NA	NA	NA
AOC3-S5G-2	2.0	10/28/21	ND<3.3	ND<3.3	ND<3.3	ND<3.3	ND<3.3	ND	--	--
AOC3-S5G-2DUP	2.0	10/28/21	ND<3.3	ND<3.3	ND<3.3	ND<3.3	ND<3.3	ND	--	--
Relative Percent Difference			NA	NA	NA	NA	NA	NA	--	--
AOC3-S6I-0.5	0.5	10/29/21	ND<34	ND<34	ND<34	ND<34	ND<34	ND	ND<33	ND
AOC3-S6I-0.5DUP	0.5	10/29/21	ND<34	ND<34	ND<34	ND<34	ND<34	ND	ND<33	ND
Relative Percent Difference			NA	NA	NA	NA	NA	NA	NA	NA
AOC3/AOC10-S9C-0.5	0.5	10/27/21	ND<8.3	ND<8.3	ND<8.3	ND<8.3	ND<8.3	ND	ND<32	ND
AOC3/AOC10-S9C-0.5DUP	0.5	10/27/21	ND<8.3	ND<8.3	ND<8.3	ND<8.3	ND<8.3	ND	ND<32	ND
Relative Percent Difference			NA	NA	NA	NA	NA	NA	NA	NA

Table C-4. RPD Calculations for Duplicate OCP and PCB Soil Samples

Sample ID	Depth (feet bgs)	Date Collected	OCPs						PCBs	
			4,4'-DDE	4,4'-DDT	cis-Chlordane	Dieldrin	trans-Chlordane	Other OCPs	PCB-1260	Other PCBs
AOC3-S9E-0.5	0.5	10/28/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND	ND<32	ND
AOC3-S9E-0.5DUP	0.5	10/28/21	ND<33	ND<33	ND<33	ND<33	ND<33	ND	ND<32	ND
Relative Percent Difference			NA	NA	NA	NA	NA	NA	NA	NA
AOC3/AOC8-S9I-0.5	0.5	10/29/21	ND<17	ND<17	ND<17	ND<17	ND<17	ND	ND<33	ND
AOC3/AOC8-S9I-0.5DUP	0.5	10/29/21	ND<16	ND<16	ND<16	ND<16	ND<16	ND	ND<31	ND
Relative Percent Difference			NA	NA	NA	NA	NA	NA	NA	NA
AOC1/AOC7-S8-2	2.0	10/26/21	ND<3.2	ND<3.2	ND<3.2	ND<3.2	ND<3.2	ND	ND<31	ND
AOC1/AOC7-S8-2DUP	2.0	10/26/21	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND	ND<33	ND
Relative Percent Difference			NA	NA	NA	NA	NA	NA	NA	NA

Notes:

OCP - organochlorine pesticides, analyzed by Environmental Protection Agency (EPA) Method 8270C

PCB - polychlorinated biphenyls, analyzed by EPA Method 8082

bgs – below ground surface

mg/Kg – milligrams per kilogram

ND - not detected

ND<X – analyte not detected at or above laboratory reporting limit X

-- - not analyzed

NA - not applicable

Bold - indicates the RPD exceeds the project limit of 100%

Table C-5. RPD Calculations for Duplicate SVOC Soil Samples

Sample ID	Depth (feet bgs)	Date Collected	1,2,3,4,6,7,8-HpCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	2,3,7,8-TCDD	2,3,7,8-TCDF	OCDD	OCDF
			(pg/g)													
AOC1-S9A-0.5	0.5	10/26/21	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<0.95	ND<0.95	16	ND<9.5
AOC1-S9A-0.5DUP	0.5	10/26/21	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<0.98	ND<0.98	20	ND<9.8
Relative Percent Difference			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.2%	NA
AOC5-S7-5	5.0	11/16/21	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<0.49	ND<0.49	ND<24	ND<29
AOC5-S7-5 DUP	5.0	11/16/21	ND<5.0	12.1	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<25	ND<30
Relative Percent Difference			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC1/AOC8-S4-0.5	0.5	10/26/21	85	ND<4.9	40	ND<4.9	ND<4.9	ND<4.9	5.4	5	ND<4.9	4.9	2.2	7	740	90
AOC1/AOC8-S4-0.5DUP	0.5	10/26/21	60	ND<4.8	30	ND<4.8	ND<4.8	ND<4.8	7.6	ND<4.8	ND<4.8	ND<4.8	1.3	4.9	500	62
Relative Percent Difference			34.5%	NA	28.6%	NA	NA	NA	33.8%	NA	NA	NA	51.4%	35.3%	38.7%	36.8%
AOC3/AOC8-S9I-0.5	0.5	10/29/21	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<0.96	ND<0.96	22	ND<9.6
AOC3/AOC8-S9I-0.5DUP	0.5	10/29/21	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<4.8	ND<0.97	ND<0.97	26	ND<9.7
Relative Percent Difference			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.7%	NA

Notes:

Dioxins and Furans analyzed by Environmental Protection Agency (EPA) Method 8290A

bgs – below ground surface

pg/g – picograms per gram

NA - not applicable

ND<X – analyte not detected at or above laboratory reporting limit X

Bold - indicates the RPD exceeds the project limit of 100%

Table C-6. RPD Calculations for Duplicate TPHs, VOCs, and PAHs Soil Samples

Sample ID	Depth (feet bgs)	Date Collected	TPHd	TPHmo	VOCs	PAHs
			(mg/Kg)			
AOC4-S1-5	5.0	11/01/21	1.3	ND<5	ND	ND
AOC4-S1-5 DUP	5.0	11/01/21	1.5	5.8	ND	ND
Relative Percent Difference			14%	NA	NA	NA

Notes:

TPH - total petroleum hydrocarbons

TPHd - TPH as diesel, analyzed by Environmental Protection Agency (EPA) Method 8015B

TPHmo - TPH as motor oil, analyzed by EPA Method 8015B

VOCs- volatile organic compounds, analyzed by EPA Method 8260B

PAH - polycyclic aromatic hydrocarbons analyzed using United States Environmental Protection Agency (US EPA) Method 8270C selective ion measurement (SIM)

bgs – below ground surface

mg/Kg – milligrams per kilogram

ND - Not detected

ND<X – analyte not detected at or above laboratory reporting limit X

-- - not analyzed

NA - not applicable

Bold - indicates the RPD exceeds the project limit of 100%

Table C-7. RPD Calculations for Duplicate Fixed Gases and VOCs in Soil Vapor Samples

Sample ID	Date Collected	Depth (feet bgs)	VOCs													Fixed Gases			
			Acetone	2-Butanone (Methyl Ethyl Ketone)	Carbon Disulfide	Chloroform	Cyclohexane	cis-1,2-Dichloroethene	Ethanol	Hexane	m,p-Xylene	2,2,4-Trimethylpentane	2-Propanol	Toluene	All Other VOCs	Helium	Methane	Carbon Dioxide	Oxygen
			(µg/m^3)													%			
SG1-5	11/15/21	5.0	ND<25	ND<12	ND<13	15	ND<3.6	ND<4.1	ND<20	ND<3.7	ND<4.5	ND<4.8	ND<10	ND<3.9	ND	ND<0.10	ND<0.00021	2.3	18
SG1-5 DUP	11/15/21	5.0	ND<24	ND<12	73	14	ND<3.6	ND<4.1	ND<20	ND<3.6	ND<4.5	ND<4.8	23	ND<3.9	ND	ND<0.10	ND<0.00021	2.3	18
Relative Percent Difference			NA	NA	**>100%**	7%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0%	0%

Notes:

Fixed gases analyzed by American Society for Testing Materials (ASTM) Method D 1946-90

VOCs - Volatile organic compounds, analyzed by Environmental Protection Agency EPA TO-15

% - percent

µg/m³ - micrograms per meters cubed

bgs - below ground surface

ND - not detected

ND<X – analyte not detected at or above laboratory reporting limit X

NA - not applicable

Bold - indicates the RPD exceeds the project limit of 100%

APPENDIX D

Cancer Risks and Hazard Index Supporting Calculations

Table D-1
Health Hazards from Incidental Soil Ingestion
Residential Exposure Scenario
OUSD Cole Amin
Oakland, California

COPC	Maximum Soil Concentration (mg/kg)	Oral Reference Dose (mg/kg-d)	Residential Scenario	
			Average Daily Intake (mg/kg-d) Child	Hazard Quotient (Unitless) Child
Dioxins				
Dioxins (total)	0.0000096	7.0E-10	1.23E-10	1.75E-01
Pesticides				
4,4'-DDE	0.015	3.0E-04	1.92E-07	6.39E-04
4,4'-DDT	0.031	5.0E-04	3.96E-07	7.93E-04
Chlordane	0.095	5.0E-04	1.21E-06	2.43E-03
Dieldrin	0.045	5.0E-05	5.75E-07	1.15E-02
PCBs				
PCB-1260	0.043	NA	5.50E-07	NA
TPH				
TPH (C17-C32 aromatic high)	3.65	4.0E-02	4.67E-05	1.17E-03
TPH (C19-C32 aliphatic high)	3.65	3.0E+00	4.67E-05	1.56E-05
TPH (C9-C16 aromatic mediun	0.95	4.0E-03	1.21E-05	3.04E-03
TPH (C9-C18 aliphatic mediun	0.95	1.0E-02	1.21E-05	1.21E-03
Total Hazard Index				**2.0E-01**

Notes:
"--" not applicable or not available
Equations:
Child $INTAKE_{noncancer}$ (mg/kg-day) = (($CS_{residential}$ * $IR\text{-}S_{child}$ * EF_{child} * ED_{child} * CF) / (BW_{child} * $AT_{noncancer}$))
Noncancer Hazard = ($INTAKE_{noncancer}$ / RfD)

Table D-2
Health Hazards from Dermal Contact with Soil
Residential Exposure Scenario
OUSD Cole Amin
Oakland, California

COPC	Maximum Soil Concentration (mg/kg)	Soil-to-Skin Absorption Factor (unitless)	Oral/Dermal Reference Dose (mg/kg-d)	Residential Scenario	
				Average Daily Intake (mg/kg-d) Child	Hazard Quotient (Unitless) Child
Dioxins					
Dioxins (total)	0.0000096	0.03	7.0E-10	8.74E-12	1.25E-02
Pesticides					
4,4'-DDE	0.015	0.1	3.0E-04	4.55E-08	1.52E-04
4,4'-DDT	0.031	0.03	5.0E-04	2.82E-08	5.64E-05
Chlordane	0.095	0.1	5.0E-04	2.88E-07	5.76E-04
Dieldrin	0.045	0.1	5.0E-05	1.37E-07	2.73E-03
PCBs					
PCB-1260	0.043	0.1	NA	1.30E-07	NA
TPH					
TPH (C17-C32 aromatic high)	3.65	0.1	4.0E-02	1.11E-05	2.77E-04
TPH (C19-C32 aliphatic high)	3.65	0.1	3.0E+00	1.11E-05	3.69E-06
TPH (C9-C16 aromatic mediun	0.95	0.1	4.0E-03	2.88E-06	7.21E-04
TPH (C9-C18 aliphatic medium	0.95	0.1	1.0E-02	2.88E-06	2.88E-04
Total Hazard Index					**1.7E-02**

Notes:
"--" not applicable or not available
Equations:
Child $INTAKE_{noncancer}$ (mg/kg-day) = (($CS_{residential}$ * SA_{child} * AF_{child} * ABS * EF_{child} * ED_{child} * CF) / (BW_{child} * $AT_{noncancer}$))
Noncancer Hazard = ($INTAKE_{noncancer}$ / RfD)

Table D-3
Health Hazards from Inhalation of Outdoor Air
Residential Exposure Scenario
OUSD Cole Amin
Oakland, California

COPC	Maximum Soil Concentration (mg/kg)	PEF or VEF (m^3/kg)	Inhalation Reference Concentration[a] (ug/m^3)	Residential Scenario	
				Exposure Concentration (ug/m^3)	Hazard Quotient (Unitless)
				Child	Child
Dioxins					
Dioxins (total)	0.0000096	1.36E+09	4.0E-05	6.77E-12	1.69E-07
Pesticides					
4,4'-DDE	0.015	1.36E+09	1.2E+00	1.06E-08	8.81E-09
4,4'-DDT	0.031	1.36E+09	NA	2.19E-08	NA
Chlordane	0.095	1.36E+09	7.0E-01	6.70E-08	9.57E-08
Dieldrin	0.045	1.36E+09	2.0E-01	3.17E-08	1.59E-07
PCBs					
PCB-1260	0.043	1.36E+09	NA	3.03E-08	NA
TPH					
TPH (C17-C32 aromatic high)	3.65	1.36E+09	NA	2.57E-06	NA
TPH (C19-C32 aliphatic high)	3.65	1.36E+09	NA	2.57E-06	NA
TPH (C9-C16 aromatic medium	0.95	1.36E+09	3.0E+00	6.70E-07	2.23E-07
TPH (C9-C18 aliphatic medium	0.95	1.36E+09	1.0E+02	6.70E-07	6.70E-09
Total Hazard Index					**6.6E-07**

Notes:
"--" not applicable or not available
Equations:
Particulate: Child Exposure-$_{noncancer}$ (ug/m^3) = $(CS_{residential} * (1/PEF) * EF_{child} * ED_{child} * ET_{child}) / (AT_{noncancer})$
VOCs: Child Exposure-$_{noncancer}$ (ug/m^3) = $(CS_{residential} * Etchild * EF_{child} * ED_{child} * (1/VF)) / (AT_{noncancer})$
Noncancer Hazard = $(INTAKE_{noncancer} / RfD)$

Table D-4
Cumulative Health Hazards from Multipathway Soil Exposure
Residential Exposure Scenario
OUSD Cole Amin
Oakland, California

COPC	Maximum Soil Conc. (mg/kg)	Residential Noncancer Hazard			
		Child Resident			
		Ingestion of Soil	Dermal	Inhalation	Total HI
Dioxins					
Dioxins (total)	9.60E-06	2.E-01	1.E-02	2.E-07	2.E-01
Pesticides					
4,4'-DDE	0.015	6.E-04	2.E-04	9.E-09	8.E-04
4,4'-DDT	0.031	8.E-04	6.E-05	NA	8.E-04
Chlordane	0.095	2.E-03	6.E-04	1.E-07	3.E-03
Dieldrin	0.045	1.E-02	3.E-03	2.E-07	1.E-02
PCBs					
PCB-1260	0.043	NA	NA	NA	--
TPH					
TPH (C17-C32 aromatic high)	3.65	1.E-03	3.E-04	NA	1.E-03
TPH (C19-C32 aliphatic high)	3.65	2.E-05	4.E-06	NA	2.E-05
TPH (C9-C16 aromatic medium	0.95	3.E-03	7.E-04	2.E-07	4.E-03
TPH (C9-C18 aliphatic medium	0.95	1.E-03	3.E-04	7.E-09	2.E-03
Total Hazard Index					**2.E-01**

Note:
"--" not applicable or not available

Table D-5
Cancer Risks from Incidental Soil Ingestion
Residential Exposure Scenario
OUSD Cole Amin
Oakland, California

COPC	Maximum Soil Concentration (mg/kg)	Oral Slope Factor $(mg/kg\text{-}d)^{-1}$	Residential Scenario	
			Average Daily Intake (mg/kg-d) Adult & Child	Cancer Risk (Unitless) Adult & Child
Dioxins				
Dioxins (total)	0.0000096	1.3E+05	1.38E-11	1.80E-06
Pesticides				
4,4'-DDE	0.015	3.4E-01	2.16E-08	7.34E-09
4,4'-DDT	0.031	3.4E-01	4.46E-08	1.52E-08
Chlordane	0.095	3.5E-01	1.37E-07	4.78E-08
Dieldrin	0.045	1.6E+01	6.47E-08	1.04E-06
PCBs				
PCB-1260	0.043	2.0E+00	6.18E-08	1.24E-07
TPH				
TPH (C17-C32 aromatic high)	3.65	NA	5.25E-06	NA
TPH (C19-C32 aliphatic high)	3.65	NA	5.25E-06	NA
TPH (C9-C16 aromatic medium)	0.95	NA	1.37E-06	NA
TPH (C9-C18 aliphatic medium)	0.95	NA	1.37E-06	NA
Total Cancer Risk				**3.0E-06**

Notes:
"--" not applicable or not available
Equations:
Adult/Child $INTAKE_{cancer}$ (mg/kg-day) = $(CS_{residential} * EF * ING_{adjusted} * CF) / (AT_{cancer})$
Where $ING_{adjusted} = [(IR\text{-}S_{child} * ED_{child} / BW_{child}) + (IR\text{-}S_{adult} * ED_{adult} / BW_{adult})]$
Cancer Risk = $(INTAKE_{cancer} * CSF)$

Table D-6
Cancer Risks from Dermal Contact with Soil
Residential Exposure Scenario
OUSD Cole Amin
Oakland, California

COPC	Maximum Soil Concentration (mg/kg)	Soil-to-Skin Absorption Factor (unitless)	Oral/Dermal Slope Factor $(mg/kg\text{-}d)^{-1}$	Residential Scenario	
				Average Daily Intake (mg/kg-d) Adult & Child	Cancer Risk (Unitless) Adult & Child
Dioxins					
Dioxins (total)	0.0000096	0.03	1.3E+05	1.17E-12	1.52E-07
Pesticides					
4,4'-DDE	0.015	0.1	3.4E-01	6.07E-09	2.06E-09
4,4'-DDT	0.031	0.03	3.4E-01	3.76E-09	1.28E-09
Chlordane	0.095	0.1	3.5E-01	3.84E-08	1.35E-08
Dieldrin	0.045	0.1	1.6E+01	1.82E-08	2.91E-07
PCBs					
PCB-1260	0.043	0.1	2.0E+00	1.74E-08	3.48E-08
TPH					
TPH (C17-C32 aromatic high)	3.65	0.1	NA	1.48E-06	NA
TPH (C19-C32 aliphatic high)	3.65	0.1	NA	1.48E-06	NA
TPH (C9-C16 aromatic medium	0.95	0.1	NA	3.84E-07	NA
TPH (C9-C18 aliphatic medium	0.95	0.1	NA	3.84E-07	NA
Total Cancer Risk					**4.9E-07**

Notes:
"--" not applicable or not available
Equations:
Adult/Child $INTAKE_{cancer}$ (mg/kg-day) = $(CS_{residential} * SAF_{adjusted} * ABS * CF) / (AT_{cancer})$
Where $SAF_{adjusted} = [(SA_{child} * AF_{child} * EF_{child} * ED_{child} / BW_{child}) + (SA_{adult} * AF_{adult} * EF_{adult} * ED_{adult} / BW_{adult})]$
Cancer Risk = $(INTAKE_{cancer} * CSF)$

Table D-7
Cancer Risks from Inhalation of Outdoor Air
Residential Exposure Scenario
OUSD Cole Amin
Oakland, California

COPC	Maximum Soil Concentration (mg/kg)	PEF or VF (m3/kg)	Inhalation Unit Risk $(ug/m^3)^{-1}$	Residential Scenario	
				Exposure Concentration (ug/m^3) Adult & Child	Cancer Risk (Unitless) Adult & Child
Dioxins					
Dioxins (total)	0.0000096	1.36E+09	3.8E+01	2.51E-12	9.55E-11
Pesticides					
4,4'-DDE	0.015	1.36E+09	9.7E-05	3.93E-09	3.81E-13
4,4'-DDT	0.031	1.36E+09	9.7E-05	8.12E-09	7.87E-13
Chlordane	0.095	1.36E+09	1.0E-04	2.49E-08	2.49E-12
Dieldrin	0.045	1.36E+09	4.6E-03	1.18E-08	5.42E-11
PCBs					
PCB-1260	0.043	1.36E+09	5.7E-04	1.13E-08	6.43E-12
TPH					
TPH (C17-C32 aromatic high)	3.65	1.36E+09	NA	9.56E-07	NA
TPH (C19-C32 aliphatic high)	3.65	1.36E+09	NA	9.56E-07	NA
TPH (C9-C16 aromatic medium	0.95	1.36E+09	NA	2.49E-07	NA
TPH (C9-C18 aliphatic medium	0.95	1.36E+09	NA	2.49E-07	NA
Total Cancer Risk					**1.6E-10**

Notes:
"--" not applicable or not available
Equations:
Particulate Exposure Concentartion (ug/m^3) = $(CS*EF_{child}*ED_{child}*ET_{child})/(PEF*AT_c))+(CS*EF_{adult}*ED_{adult}*ET_{adult})/(PEF*AT_c))$
VOC Exposure Concentration (ug/m^3) = (CS * EF * ED * ET) / (VF * ATc)
Cancer Risk = $(INTAKE_{cancer} * CSF)$

Table D-8
Cumulative Cancer Risks from Multipathway Soil Exposure
Residential Exposure Scenario
OUSD Cole Amin
Oakland, California

COPC	Max. Resid Soil Conc. (mg/kg)	Residential Cancer Risk			
		Adult & Child Resident			
		Ingestion	Dermal	Inhalation	Total Risk
Dioxins					
Dioxins (total)	9.60E-06	2.E-06	2.E-07	1.E-10	2.E-06
Pesticides					
4,4'-DDE	0.015	7.E-09	2.E-09	4.E-13	9.E-09
4,4'-DDT	0.031	2.E-08	1.E-09	8.E-13	2.E-08
Chlordane	0.095	5.E-08	1.E-08	2.E-12	6.E-08
Dieldrin	0.045	1.E-06	3.E-07	5.E-11	1.E-06
PCBs					
PCB-1260	0.043	1.E-07	3.E-08	6.E-12	2.E-07
TPH					
TPH (C17-C32 aromatic high)	3.65	NA	NA	NA	--
TPH (C19-C32 aliphatic high)	3.65	NA	NA	NA	--
TPH (C9-C16 aromatic medium	0.95	NA	NA	NA	--
TPH (C9-C18 aliphatic medium	0.95	NA	NA	NA	--
Total Cancer Risk					**4.E-06**

Note:
"--" not applicable or not available

APPENDIX E

Lead and Arsenic Arithmetic Mean Calculations

Table E-1 UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.112/15/2021 2:58:56 PM
From File	OUSD As & Pb stats.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Arsenic (mg/kg)

General Statistics

Total Number of Observations	124	Number of Distinct Observations	61
Number of Detects	105	Number of Non-Detects	19
Number of Distinct Detects	59	Number of Distinct Non-Detects	5
Minimum Detect	1.9	Minimum Non-Detect	1.9
Maximum Detect	45	Maximum Non-Detect	2.6
Variance Detects	27.13	Percent Non-Detects	15.32%
Mean Detects	6.197	SD Detects	5.208
Median Detects	4.4	CV Detects	0.841
Skewness Detects	4.37	Kurtosis Detects	29.14
Mean of Logged Detects	1.622	SD of Logged Detects	0.595

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.663	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.205	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0867	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	5.552	KM Standard Error of Mean	0.452
KM SD	5.005	95% KM (BCA) UCL	6.385
95% KM (t) UCL	6.301	95% KM (Percentile Bootstrap) UCL	6.333
95% KM (z) UCL	6.295	95% KM Bootstrap t UCL	6.568
90% KM Chebyshev UCL	6.907	95% KM Chebyshev UCL	7.521
97.5% KM Chebyshev UCL	8.373	99% KM Chebyshev UCL	10.05

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	2.425	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.761	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.146	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.089	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	2.632	k star (bias corrected MLE)	2.563
Theta hat (MLE)	2.354	Theta star (bias corrected MLE)	2.418
nu hat (MLE)	552.7	nu star (bias corrected)	538.2
Mean (detects)	6.197		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	5.271
Maximum	45	Median	3.9
SD	5.265	CV	0.999
k hat (MLE)	0.721	k star (bias corrected MLE)	0.709
Theta hat (MLE)	7.312	Theta star (bias corrected MLE)	7.437
nu hat (MLE)	178.8	nu star (bias corrected)	175.8
Adjusted Level of Significance (β)	0.0481		
Approximate Chi Square Value (175.77, α)	146.1	Adjusted Chi Square Value (175.77, β)	145.8
95% Gamma Approximate UCL (use when n>=50)	6.341	95% Gamma Adjusted UCL (use when n<50)	6.355
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	5.552	SD (KM)	5.005
Variance (KM)	25.05	SE of Mean (KM)	0.452
k hat (KM)	1.231	k star (KM)	1.206
nu hat (KM)	305.2	nu star (KM)	299.2
theta hat (KM)	4.511	theta star (KM)	4.603
80% gamma percentile (KM)	8.787	90% gamma percentile (KM)	12.21
95% gamma percentile (KM)	15.58	99% gamma percentile (KM)	23.3
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (299.17, α)	260.1	Adjusted Chi Square Value (299.17, β)	259.7
95% Gamma Approximate KM-UCL (use when n>=50)	6.386	95% Gamma Adjusted KM-UCL (use when n<50)	6.397
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Approximate Test Statistic	0.951	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk P Value	0.00214	Detected Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.124	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.0867	Detected Data Not Lognormal at 5% Significance Level	
Detected Data Not Lognormal at 5% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	5.48	Mean in Log Scale	1.432
SD in Original Scale	5.081	SD in Log Scale	0.715
95% t UCL (assumes normality of ROS data)	6.236	95% Percentile Bootstrap UCL	6.307
95% BCA Bootstrap UCL	6.445	95% Bootstrap t UCL	6.519
95% H-UCL (Log ROS)	6.136		
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	1.479	KM Geo Mean	4.388
KM SD (logged)	0.642	95% Critical H Value (KM-Log)	1.909
KM Standard Error of Mean (logged)	0.058	95% H-UCL (KM -Log)	6.02
KM SD (logged)	0.642	95% Critical H Value (KM-Log)	1.909
KM Standard Error of Mean (logged)	0.058		
DL/2 Statistics			
DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	5.425	Mean in Log Scale	1.396
SD in Original Scale	5.124	SD in Log Scale	0.767
95% t UCL (Assumes normality)	6.188	95% H-Stat UCL	6.218

DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution at 5% Significance Level			
Suggested UCL to Use			
95% KM (Chebyshev) UCL	7.521		
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
Recommendations are based upon data size, data distribution, and skewness.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).			
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.			

Table E-2 UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.112/15/2021 3:00:05 PM
From File	OUSD As & Pb stats_a.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Lead (mg/kg)

General Statistics

Total Number of Observations	162	Number of Distinct Observations	102
Number of Detects	158	Number of Non-Detects	4
Number of Distinct Detects	100	Number of Distinct Non-Detects	3
Minimum Detect	1.9	Minimum Non-Detect	3
Maximum Detect	990	Maximum Non-Detect	5.2
Variance Detects	31676	Percent Non-Detects	2.469%
Mean Detects	123.7	SD Detects	178
Median Detects	62.5	CV Detects	1.439
Skewness Detects	2.583	Kurtosis Detects	7.107
Mean of Logged Detects	3.815	SD of Logged Detects	1.612

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.67	**Normal GOF Test on Detected Observations Only**
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.247	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0709	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	120.7	KM Standard Error of Mean	13.89
KM SD	176.2	95% KM (BCA) UCL	143.1
95% KM (t) UCL	143.7	95% KM (Percentile Bootstrap) UCL	143.1
95% KM (z) UCL	143.6	95% KM Bootstrap t UCL	147.1
90% KM Chebyshev UCL	162.4	95% KM Chebyshev UCL	181.3
97.5% KM Chebyshev UCL	207.5	99% KM Chebyshev UCL	258.9

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	1.555	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.809	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.0795	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.0782	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.614	k star (bias corrected MLE)	0.607
Theta hat (MLE)	201.5	Theta star (bias corrected MLE)	203.9
nu hat (MLE)	194	nu star (bias corrected)	191.7
Mean (detects)	123.7		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	120.7
Maximum	990	Median	60
SD	176.8	CV	1.465
k hat (MLE)	0.531	k star (bias corrected MLE)	0.525
Theta hat (MLE)	227.3	Theta star (bias corrected MLE)	229.8
nu hat (MLE)	172	nu star (bias corrected)	170.1
Adjusted Level of Significance (β)	0.0485		
Approximate Chi Square Value (170.11, α)	141	Adjusted Chi Square Value (170.11, β)	140.7
95% Gamma Approximate UCL (use when n>=50)	145.6	95% Gamma Adjusted UCL (use when n<50)	145.9
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	120.7	SD (KM)	176.2
Variance (KM)	31050	SE of Mean (KM)	13.89
k hat (KM)	0.469	k star (KM)	0.465
nu hat (KM)	152.1	nu star (KM)	150.6
theta hat (KM)	257.2	theta star (KM)	259.7
80% gamma percentile (KM)	197.5	90% gamma percentile (KM)	331.5
95% gamma percentile (KM)	475.9	99% gamma percentile (KM)	833.6
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (150.58, α)	123.2	Adjusted Chi Square Value (150.58, β)	123
95% Gamma Approximate KM-UCL (use when n>=50)	147.5	95% Gamma Adjusted KM-UCL (use when n<50)	147.8
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Approximate Test Statistic	0.936	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk P Value	6.7813E-8	Detected Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.108	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.0709	Detected Data Not Lognormal at 5% Significance Level	
Detected Data Not Lognormal at 5% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	120.7	Mean in Log Scale	3.747
SD in Original Scale	176.8	SD in Log Scale	1.649
95% t UCL (assumes normality of ROS data)	143.7	95% Percentile Bootstrap UCL	142.4
95% BCA Bootstrap UCL	147.3	95% Bootstrap t UCL	147.1
95% H-UCL (Log ROS)	237.4		
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	3.745	KM Geo Mean	42.32
KM SD (logged)	1.647	95% Critical H Value (KM-Log)	2.793
KM Standard Error of Mean (logged)	0.13	95% H-UCL (KM -Log)	236
KM SD (logged)	1.647	95% Critical H Value (KM-Log)	2.793
KM Standard Error of Mean (logged)	0.13		
DL/2 Statistics			
DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	120.7	Mean in Log Scale	3.737
SD in Original Scale	176.8	SD in Log Scale	1.666
95% t UCL (Assumes normality)	143.7	95% H-Stat UCL	243.3

DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution at 5% Significance Level			
Suggested UCL to Use			
95% KM (Chebyshev) UCL	181.3		
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
Recommendations are based upon data size, data distribution, and skewness.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).			
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.			

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