Preliminary Environmental Assessment
Mountain View High School Expansion, Los Altos

Prepared for:

Mountain View - Los Altos Union High School District
Mountain View, California

March 15, 2021

Prepared by:
McCloskey Consultants, Inc.

PRELIMINARY ENVIRONMENTAL ASSESSMENT

MOUNTAIN VIEW HIGH SCHOOL EXPANSION

3535 Truman Avenue & 1299 Bryant Avenue

Mountain View, California

March 15, 2021

Prepared for:

MOUNTAIN VIEW-LOS ALTOS

UNION HIGH SCHOOL DISTRICT

Prepared by:

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EXECUTIVE SUMMARY

On behalf of the Mountain View-Los Altos Union High School District (MVLAUHSD), McCloskey Consultants, Inc. (MCI) has prepared this Preliminary Environmental Assessment (PEA) Report for the proposed renovation/redevelopment in the northeastern portion of the existing Mountain View High School (MVHS) located at 3535 Truman Avenue, and the adjacent existing Freestyle Academy located on the MVLAUHSD District Office property at 1299 Bryant Avenue, in Mountain View, Santa Clara County, California (the "Site") (Figure 1). Mountain View is in the northern portion of Santa Clara County, southwest of the southern San Francisco Bay.

MCI understands that current redevelopment plans include: (1) demolition of six portable structures and associated exterior area (central portion of school); (2) construction of new classroom buildings; (3) classroom modernization/expansion in the 100, 200, 300 and 400 Blocks of classrooms; (4) modernization of the existing gym; (5) modernization/repurposing of the cafeteria and (6) the demolition of the four portable structures and associated exterior area of the Freestyle Academy and construction of new classroom buildings. The expansion, renovation and redevelopment will include the addition of 12 classrooms, with an expected increase in student population of up to approximately 410 students.

This PEA is an initial investigation that provides the information necessary to evaluate if conditions exist at the Site that could pose a risk to human health or the environment. Under Senate Bill 475 (1989), the preparation of a PEA is a formal step in the site review process of the Department of Toxic Substances Control (DTSC). This report is to be reviewed by the DTSC to determine the need for further action at the Site.

The scope of work described herein was presented to the DTSC in the document entitled *"Preliminary Assessment Workplan, Mountain View High School Expansion"* (Workplan), dated October 20, 2020 (McCloskey, 2020b), and was developed to address DTSC Schools Program site sampling guidance documents. The Workplan was reviewed and approved by the DTSC on November 2, 2020 prior to implementation of the sampling program.

Summary of Previous Assessment, Soil Sampling and Removal

A Phase I Environmental Site Assessment (ESA) was initially performed across the entire school to identify on and off-site potential environmental concerns that could impact the redevelopment area (McCloskey, 2018b). This was followed by a Phase II ESA (McCloskey, 2018a) to evaluate potential environmental concerns. The Phase I and Phase II ESAs were conducted using ASTM and DTSC documents as guidance. Both these evaluations were conducted by MCI prior to engaging the DTSC in an environmental oversight agreement [EOA]. The EOA was fully

executed on January 29, 2020. A revised Phase I ESA was conducted in April 2020 (McCloskey, 2020a) to include the Freestyle Academy.

The Site was cultivated with orchards from at least the late-1930s through the mid-1950s. Pesticides and herbicides were commonly applied to row crops and orchards and the presence of residual concentrations of organochlorine pesticides (OCPs), lead and arsenic were therefore potential environmental concerns. To address this concern, shallow soil samples were collected at six locations across the central portion of the MVHS. Four of the samples had detectible concentrations of OCPs but none of the concentrations detected exceed their respective DTSC screening levels or Unites States Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs) thresholds for school uses. Arsenic was detected in all of the soil samples analyzed. None of the concentrations detected in the soil samples exceeded the regional maximum naturally occurring background concentration (Duvergé, 2011). Lead was detected in all of the soil samples analyzed. None of the concentrations detected in the soil samples exceeded the DTSC screening level.

Bedrock and sediments that could contain naturally occurring asbestos (NOA) are less than 10 miles from the Site and the soils were tested at five locations for the presence of NOA in accordance with DTSC Schools Program guidelines. One of the five samples exceeded the DTSC School Unit screening criteria of 0.01%.

Demolition of the portable buildings in the central portion of MVHS expansion area was completed prior to the soils beneath the building footprints being sub-excavated, replaced and compacted, and lime-treated to a depth of 5 feet in late September 2019. The demolition included removal of all the concrete and asphalt in the expansion area. This work was done prior to DTSC becoming engaged into an Environmental Oversight Agreement (EOA).

PEA Sampling and Results Summary

Under a DTSC approved PEA Workplan (McCloskey, 2020b), additional soil sampling was performed at the Site to evaluate the potential presence of chemicals that could affect the proposed school development. Soil samples were collected from the following areas on the Site: building perimeters, former building perimeters, areas where residues may have migrated in stormwater runoff to exposed soils, additional samples to evaluate historical agricultural residues, total petroleum hydrocarbons (TPH) and polycyclic aromatic hydrocarbons (PAHs) from smudge pots and naturally occurring asbestos (NOA) in Site soils. A total of 86 soil samples (including seven duplicate samples) were collected at depth intervals ranging from 0-½ feet below ground surface (bgs) to 2 to 2½ feet bgs, depending on the sample location, the presence or absence of asphalt, and the target analytes. Analyses included lead, OCPs and arsenic, polychlorinated biphenyls (PCBs), TPH, and PAHs. Six additional soil samples were collected at

depth intervals ranging from 0-3 feet bgs to 6 to 7 feet bgs from three boring locations and analyzed for NOA.

Detected concentrations were compared to DTSC modified Screening Levels (DTSC-SLs) presented in the DTSCs Office of Human and Ecological Risk ("HERO") guidance document Human Health Risk Assessment (HHRA) Note 3 dated June 2020 (HERO, 2020), Regional Screening Levels (RSLs) established by the USEPA Region 9 (USEPA, November 2020), San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Environmental Screening Levels (ESLs) (SFBRWQCB, 2019), regional naturally occurring arsenic background studies (Duvergé, 2011) and NOA results will be compared to the DTSC School Unit screening criteria of 0.01%.

The following summarizes the results of the Phase I ESA, Phase II ESA and PEA additional sampling:

- **Lead** - Lead was detected exceeding the DTSC-SLs concentration of 80 mg/Kg at two locations;
- **PCBs -** PCBs (Arochlor 1254) were detected exceeding the USEPA RSL of 0.24 mg/Kg at seven locations;
- **Pesticides** - OCPs were detected in one soil sample exceeding the USEPA RSL of 1.7 mg/Kg and is co-located with elevated lead and PCBs;
- **Arsenic -** Arsenic was detected in soil samples at concentrations up to 6.32 mg/Kg, and published naturally-occurring background studies (Duverge', 2011) indicate that the concentrations detected are within naturally occurring concentrations;
- **TPH** - Low concentrations of diesel and motor-oil range petroleum hydrocarbons were detected across the Site, and no further investigation is recommended.
- **PAHs** – Low concentrations of several PAHs were detected across the Site, and no further investigation is recommended.
- **Naturally-Occurring Asbestos** – NOA results indicate that concentrations exceed the DTSC school guidance, and to prevent future exposure to Site soils, all soils will be capped with either classroom buildings, hardscape, artificial turf, or capped with clean import fill soils 6 inches to 1 foot in thickness that is approved prior to import to the Site.
- **Four Former USTs –** Based on the information available, potential petroleum hydrocarbon contamination from the four former underground storage tanks removed in 1988 adjacent to the Site does not pose an unacceptable risk to human health or the environment and no further investigation is recommended.
- **Human Health Risk Evaluation** – Cancer and non-cancer risks were estimated based on the detected concentrations of chemicals at the Site:
    - The cumulative cancer risk for theoretical exposure to detected compounds is estimated at 1.92×10^{-5}, which exceeds the DTSC excess cancer risk recommendation of 1×10^{-6}. The cumulative cancer risk for the on-site soil

therefore poses an unacceptable risk to future Site users and mitigation will be required prior to reconstruction at the Site.

- The cumulative non-carcinogenic health hazard index (HI) was estimated at 0.098, indicating acceptable concentrations of chemicals (i.e., HI<1).

Conclusions and Recommendations

The results of the Phase I ESA, Phase II ESA and PEA investigation indicate that man-made and naturally occurring contaminants were present on the Site exceeding regulatory threshold concentrations for school uses. Elevated PCBs, lead and pesticide concentrations were detected in the southwest of the gymnasium, north of the 400-Block permanent classroom building and several locations around the Freestyle Academy, as discussed in detail in Section 6.0. A Supplemental Site Investigation (SSI) will be performed to determine the lateral and the vertical extent of contamination exceeding DTSC guidelines. The impacted soils will most likely be mitigated by excavation. The soil would then be off-hauled and disposed of at a landfill prior to Site redevelopment. Some of this soil may exceeds hazardous waste concentrations. The removal would need to be done under an approved Removal Action Workplan (RAW).

Naturally occurring asbestos is also present across the Site and dust mitigation during earth-disturbing activities is recommended as well as capping of exposed soils to reduce the potential for future exposure to asbestos fibers. The project has been performing dust control mitigation due to the proximity of single-family residences. Capping of any exposed soils will be completed after building construction and a long-term Operations and Maintenance Agreement and an Operations and Maintenance Plan negotiated with the DTSC.

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1.0 INTRODUCTION

On behalf of the Mountain View–Los Altos Union High School District (MVLAUHSD), McCloskey Consultants, Inc. (MCI) has prepared this Preliminary Environmental Assessment (PEA) Report for the proposed renovation/redevelopment of the existing Mountain View High School (MVHS) located at 3535 Truman Avenue and the adjacent existing Freestyle Academy located on the MVLAUHSD District Office property at 1299 Bryant Avenue, in Mountain View, Santa Clara County, California (the "Site") (Figure 1). Mountain View is in the northern portion of Santa Clara County, southwest of the southern San Francisco Bay. Under Senate Bill 475 (1989), the preparation of a PEA is a formal step in the site evaluation process of the DTSC School Site Mitigation Unit.

A Scoping Meeting was performed on February 27, 2020 with the DTSC and an additional Site visit was conducted on April 3, 2020 to evaluate the Freestyle Academy. Participants included José Salcedo (DTSC, Schools Program Unit Chief), David Hirzel (DTSC, Schools Program Project Manager), Lynn Nakayama Wong (DTSC Toxicologist), Mike Mathiesen (Associate Superintendent, Business Services), Omid Azizi (RGM Kramer), Patrick Maravelias (RGM Kramer), Tom McCloskey (McCloskey Consultants) and Chris Vertin (McCloskey Consultants), Ken Judd (RGM Kramer Inc.) and Belinda Blackie (McCloskey Consultants).

The Site conditions and history were reviewed based on a previous Phase I Environmental Site Assessment (McCloskey, 2018a) and a revised Phase I Environmental Site Assessment that included the Freestyle Academy (McCloskey, 2020a). The *"Preliminary Assessment Workplan, Mountain View High School Expansion"* (Workplan) was then prepared for DTSC review and comment dated October 20, 2020 (McCloskey, 2020b). The Workplan was reviewed and approved by the DTSC on November 2, 2020 prior to implementation of the sampling program. The approval letter is included in Appendix A.

1.1 Project Description

MCI understands that current redevelopment plans include: (1) demolition of six portable structures and associated exterior area (central portion of school); (2) construction of a new classroom buildings; (3) classroom modernization/expansion in the 100, 200, 300 and 400 Blocks of classrooms; (4) modernization of the interior of the existing gym; (5) modernization/repurposing of the cafeteria and (6) the demolition of the four portable structures and associated exterior area of the Freestyle Academy and construction of new classroom buildings. The expansion, renovation and redevelopment will include the addition of 12 classrooms, with an expected increase in student population of up to approximately 410 students.

1.2 Purpose

Under Senate Bill 475 (1989), the preparation of a PEA is a formal step in the review process of the DTSC Schools Unit. This report is to be reviewed by the DTSC to determine the need for further action at the Site. There is also a 30-day public review period.

The purpose of sampling during a PEA investigation is to identify if chemicals or naturally occurring compounds are present at the Site that could represent health or hazard risks for the planned future school use. The data obtained are used to evaluate the degree of risk presented by the compounds identified, and ultimately to evaluate appropriate response actions at the Site to render it suitable for school uses. PEA sampling is a one-time event. However, in the event contamination exceeding screening levels is identified, a Supplemental Site Investigation (SSI) may be required to fully characterize the Site and design final mitigation actions.

Specific objectives of this PEA include:

- Determining if hazardous substances (including naturally occurring substances) are present at the Site;
- Estimating the potential threat to human health and/or the environment posed by the Site conditions;
- Determining if an expedited response action is needed to reduce existing threats to human health or the environment;
- Completing preliminary project scoping activities to determine data gaps and identify possible remedial actions strategies; and,
- Assessing and providing for the informational needs of the community.

This PEA was prepared in general accordance with the following documents:

- *Preliminary Endangerment Assessment Guidance Manual,* latest revision October 2015;
- *Interim Guidance, Evaluation of School Sites with Potential Soil Contamination as a Results of Lead from Lead-Based Paint, Organochlorine Pesticides from Termiticides, and Polychlorinated Biphenyls from Electrical Transformers,* latest update September 12, 2006;
- *Interim Guidance for Sampling Agricultural Properties (Third Revision),* latest update August 7, 2008;
- *Interim Guidance Naturally-Occurring Asbestos (NOA) at School Sites,* latest revision September 24, 2004; and,
- *Arsenic Strategies, Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals* (January 16, 2009).

1.3 Organization of Report

This PEA report is organized, as follows:

- **Section 2.0** - Presents a Site description and identifies the physical setting of the Site vicinity, the current Site and vicinity land use, and the contact information for the Site;
- **Section 3.0** - Summarizes the Site operational history, hazardous waste management information, background research performed to evaluate Site conditions, previous Phase II sampling and previous remediation activities;
- **Section 4.0** - Discusses the potential chemicals of environmental concern (COCs) identified in the PEA Workplan;
- **Section 5.0** - Discusses the environmental setting, including physical aspects of the Site and vicinity affecting chemical transport pathways in soil, water, and air;
- **Sections 6.0 and 7.0** - Present the PEA sampling results and laboratory Quality Assurance/Quality Control (QA/QC) methods employed in this evaluation, respectively; and,
- **Sections 8.0 and 9.0** - Presents human health and ecological screening evaluations, respectively, based on the results of the sampling;
- **Section 10.0** - Discusses activities performed for public awareness;
- **Section 11.0** - Presents conclusions and recommendations of the investigation; and,
- **Sections 12.0 and 13.0** - Present report limitations and references utilized in preparation of this report.

2.0 SITE DESCRIPTION

The Site information provided herein is based on the results of the Phase I Environmental Site Assessment (ESA) (McCloskey, 2018b) and Phase II ESA (McCloskey, 2018a) conducted by MCI in 2018, a revised Phase I ESA including the Freestyle Academy (McCloskey, 2020a) and a Site visit conducted as part of the PEA Workplan preparation.

2.1 Site Identification and Vicinity

The Site includes an irregularly shaped expansion area, permanent classrooms buildings (100, 200, 300 and 400 Blocks), the cafeteria, the gymnasium, central portion of MVHS, and the Freestyle Academy within the larger Mountain View High School (MVHS) parcel designated by the Santa Clara County Assessor's Office (SCCAO) as assessor's parcel number (APN) 197-06-001 (Figure 1). The Site is approximately up to 4.2 acres area throughout the MVHS campus. The Freestyle Academy is located on the northwestern portion of assessor's parcel number (APN) 197-06-003 (Figure 1). The Freestyle Academy (approximately 0.65 acres) consists of an

irregularly shaped area, developed with four portable classrooms buildings, associated exterior areas, and a portion of a parking lot within the larger parcel. The school is located in a residential area of Mountain View. The Site has an EPA ID number and DTSC EnviroStor database identification number of 60002913, and the DTSC database Site Code 204319.

The Site boundary is shown on Figure 2 and the area includes:

- Permanent classroom building (100 Block) (constructed by 1968);
- Permanent classroom buildings (200, 300 and 400 Block) (constructed by 1963);
- Gymnasium (constructed by 1963);
- Portable classrooms (installed before 1982 and 2002) in the central portion of the MVHS;
- Cafeteria (constructed by 1963);
- The Freestyle Academy - Four portable classroom buildings (Rooms 1, 2, 3, 5 & 6 as well as restrooms – Rooms 1,2 and 5/6 constructed by 1974 and Room 3 constructed by 1991)
- Asphalt-paved exterior walkway and courtyard areas;
- Asphalt- and concrete-paved play areas; and,
- Parking areas and a driveway.

2.2 Current Site Use

The original school buildings (originally named Awalt High School) on the Site were constructed in 1961 and the Site has been used as a high school since construction.

2.3 Current Vicinity Land Use

The Site is in a residential area of Mountain View. The school is bordered in all directions by single-family residential neighborhoods, with the District Office adjoining east and northeast and a church adjoining southwest as well. Truman Avenue borders the MVHS to the west, Bryant Avenue to the north and Oak Avenue to the south.

2.4 Site Contact

The contact information for the Site representative is:

Mr. Mike Mathiesen
Associate Superintendent of Business Services
1299 Bryant Avenue
Mountain View, California 94040
(650) 940-4666 (office)
(650) 940-4650 (main office)

Email: mike.mathiesen@mvla.net

3.0 SITE BACKGROUND

3.1 Operational History and Status

3.1.1 Historical and Current Site Land Use

The Site was cultivated with orchards from at least the late-1930s through the early to mid-1950s. During the period of agricultural use, residential and possibly barn structures were located along the western property line and at the southeastern corner of the site. The original school buildings (originally named Awalt High School) on the Site were constructed in 1961; the football field was added shortly after. The permanent classroom building (100 Block) had been constructed by 1968. The permanent classroom buildings (200, 300 and 400 Block), the gymnasium and the cafeteria were included in the original construction in 1961. Portable structures were installed on the Site between the early-1980s, early-2000s and in 2008.

3.1.2 Property Ownership

Original ownership of the property (including the Site) was provided in both Phase I ESAs. The school district has owned the Site since 1959 or earlier and has been continuously owned by the Mountain View-Los Altos Union High School District since construction of the school in 1961. The school on the Site originally was called Awalt High School. None of the pre-MVLAUHSD property owner names were available.

3.1.3 Prior Surrounding Land Use

Based on historical aerial photographs and topographic maps, the surrounding land use historically was mostly orchards until the early 1950s. Residential development in the area south of the Site increased by 1956. The high school/district office was constructed by 1961. Residential development increased to the northeast, east and west of the Site by 1963. By 1968 most of the surrounding area was built out with residential structures.

3.1.4 Zoning

According to the City of Mountain View zoning map, the Site is zoned as a public facility (PF) and the Site vicinity is zoned single family residential.

3.1.5 Water Supply and Use

Municipal potable water for MVHS is provided by City of Mountain View.

3.2 Hazardous Substance/Waste Management Information

3.2.1 Site Uses

The revised Phase I ESA (McCloskey, 2020a) was performed on the entire MVHS, the on-Site and off-Site portions of the high school and the Freestyle Academy are detailed below.

3.2.1.1 On-Site

Site reconnaissance were conducted on the high school portions of the Site by Ms. Belinda Blackie of MCI on July 11 and October 11, 2018 and the Freestyle Academy on April 3, 2020. Ms. Blackie was unaccompanied at the time of the July reconnaissance; a key to access the portable buildings was provided by the district office. Ms. Blackie was accompanied by MVHS vice principal Teri Faught on the October 11, 2018 reconnaissance. Site access was somewhat limited by school being in session during the October reconnaissance. Ms. Blackie was accompanied by Mr. Ken Judd of RGM Kramer Inc., the construction manager for the MVHS renovation projects on the April 3, 2020 reconnaissance. Site access to Freestyle Academy building interiors and exterior areas was unlimited.

At the time of the reconnaissance, the Site was developed with multiple permanent structures, including blocks of classrooms (100 Block, 200 Block, 300 Block, and 400 Block) and larger structures housing the gym, cafeteria, and other facilities. In addition to the permanent structures, several portable classroom structures also were present in the central portion of the MVHS on the Site, as were smaller ancillary storage and facilities-related structures. Parking lots, tennis/sports courts, sports fields, a swimming pool, and other exterior hardscaped/landscaped areas also were present. The Freestyle Academy was developed with four portable classroom structures, including one single classroom unit, two structures housing two classrooms each (one with no devising wall between the two), and one structure housing two classrooms and two restrooms. In addition to the portable classroom structures, paved courtyard and other exterior areas adjoin the classrooms; limited areas of landscaping also were present. A portion of a MVLAUHSD bus/vehicle parking lot is located on the eastern portion of the Site.

Structures on the subject property included single-story permanent and portable buildings. Several classrooms were accessed. Classroom interiors included student and teacher desks, storage cabinets, white boards, and other typical classroom furnishings. Permanent classroom blocks (100 Block, 200 Block, 300 Block and 400 Block) had boiler/HVAC rooms, several of which also were accessed. According to Ms. Teri Faught, the majority of the janitorial, maintenance and landscaping materials and chemicals are stored at the adjoining off-site district office facility rather than at MVHS.

Six portable structures housing multiple classrooms were located on the central portion of the Site, south of the pool. Classrooms included what appeared to be a journalism room, special needs room, dance studio, robotics lab and kitchen. A washer, dryer, oven and sink were located within one room; several 1-quart to 1-gallon bottles of assorted janitorial cleaners were observed in a cupboard beneath the sink. Pieces of specialized equipment were observed within the robotics room. Crawl spaces appeared located beneath at least some of the portables, with grate-covered, concrete-framed access areas observed at several locations. A small, fenced courtyard area between several of the portables was locked but viewed through the chain link fence. One dry-type transformer and a small, locked storage shed were present within the courtyard.

The cafeteria housed commercial cooking appliances. Several 1-gallon containers of assorted janitorial cleaners were stored beneath a sink within the kitchen; a supply cabinet off the kitchen housed several 1-gallon containers of assorted cleaners and bleach. Ms. Faught was unaware of whether a grease trap was associated with the kitchen. A sewer cleanout was observed in the asphalt surface immediately outside the kitchen; however, a grease trap was unable to be located. Adjoining the exterior of the cafeteria kitchen was the trash storage area. Trash and recycling dumpsters were staged in the area.

Interior finishes of permanent and portable structures at the Site included vinyl floor tile, sheet vinyl flooring, ceramic floor tile, concrete floors, painted gypsum board walls and acoustic ceiling tile.

Other exterior portions of the school included asphalt- and concrete-paved areas as well as landscaped areas, including a garden area with raised planter boxes. Outdoor basketball/sports courts and tennis courts also are present on the Site.

The structures on the Freestyle Academy property included single-story portable buildings. Each of the six classrooms housed within the buildings were accessed. Classroom interiors included a variety of desks and tables, computer, printer and musical equipment, storage cabinets, art supplies, small recording studios and other related facilities/materials. Hazardous materials were not observed in the classrooms or elsewhere on the Site. Classroom 3 had multiple up to 1-gallon bottles of water-based paint and glues stored on a shelving unit; leakage or spills were not observed. Individual structures were equipped with small air conditioning units.

Exterior areas of the Freestyle Academy included areas with tables and seating, a basketball hoop and limited landscaping. One electrical equipment box of undetermined type was located between Classrooms 1 and 2. A former striped parking area adjoining Classroom 3 no longer appeared utilized for parking. Several vehicles, buses and a truck were parked in the MVLAUHSD parking lot on the eastern portion of the Site.

Structure exteriors primarily included painted wood. Interior finishes at the Site included carpet, ceramic tile and wood flooring, painted wallboard and acoustic ceiling tile.

During the Phase I ESA, a questionnaire was completed by Mr. Mike Mathiesen of the Mountain View-Los Altos High School District. Mr. Mathiesen was not aware of any indications of contamination on the Site, and reported no knowledge of environmental cleanup liens, activity and land use limitations, or pending, threatened or past litigation or administrative proceedings related to hazardous substances or petroleum products at the Site. He also reported no receipt of notices from governmental entities regarding possible violation of environmental laws or liability related to the same.

Based on the dates of construction for many of the structures (construction dates pre-dating 1978 for lead based paint (LBP) and the late-1980s for asbestos-containing material (ACM), building materials and coatings may include ACM and LBP. AHERA asbestos surveys were completed at the Site in July 2017 prior to the proposed redevelopment. Asbestos was identified in vinyl floor tile and mastic in the small gym closet and weight room storage area and in the drywall and joint compound in the boys' locker room, team locker room and gym closets. No friable ACM identified during the survey. Non-friable ACM identified during the inspection included vinyl floor tile with mastic and drywall and joint compound. A Priority Level 1 was identified for the small gym closet and weight room storage area non-friable, damaged materials. Drywall and joint compound were recommended for abatement upon upgrade of the system or materials. No friable ACM was identified at the Freestyle Academy during the Site reconnaissance. Non-friable ACM identified during the reconnaissance of the Freestyle Academy included flooring mastic, roofing materials and ceiling and wall materials.

3.2.1.2 Off-Site Portions of the High School

The following areas are not part of the Site but were included because they were near or adjacent to portions of the Site.

Located on the northeastern portion of the school, the swimming pool had adjoining pool equipment and chemical storage rooms. Separate rooms housed one 300-gallon AST and one smaller, approximately 150-gallon, AST of hydrochloric acid and one approximately 500-gallon AST of sodium hypochlorite. Minor stains, in the form of residue trickling from the top of the hydrochloric acid tank to the floor, were observed on the side of the AST; the staining appeared insignificant. No other evidence of leaks or spills were observed from the ASTs. One large cylinder of carbon dioxide also was present within each AST room. The pool equipment control room included filtration, heating and pumping equipment; a concrete-lined sump housed the pump system. Two gallons of paint were stored within the pool equipment room.

Hazardous materials observed within the permanent classrooms included those associated with the science labs. The science lab prep area chemical storage room was observed to have multiple cabinets housing small containers of numerous solid and liquid chemical reagents, with additional 2- to 5-gallon dispenser containers of assorted acid dilutions staged on top of some of the cabinets. Cabinets included two acid cabinets with bottles of up to 1-gallon in volume, a caustic materials storage cabinet with very small bottles of reagents, and a flammable materials cabinet with miscellaneous solvents. Some liquid materials within cabinets were stored within secondary containment bins, as were some dispenser containers on top of the cabinets; in many cases the secondary containment would contain drips but was not of sufficient volume to contain the entire volume of the containers. No evidence of significant spills or releases was observed.

In the chemical storage room and the lab prep area beyond the chemical storage room were several small refrigerators of materials for biology labs, including liquid and solid materials. No significant spills or releases of the refrigerated materials were noted.

Laboratory hazardous waste was stored in several plastic bins on rolling dollies in the lab prep area. The bins including what appeared to be empty, or nearly empty, approximately 2-gallon containers; one bin contained absorbent. Staining indicative of minor spills was observed within the bins but appeared contained within the bins with no visual indication of spills reaching the underlying floor. An additional hazardous waste storage area also was located within the lab prep area. Partially full, approximately 2-gallon containers, biohazard collection containers, one larger empty plastic container and several Styrofoam containers were located within and piled atop plastic bins. Evidence of spills from the stored wastes was not observed. Science classrooms were equipped with lab tables, sinks and hoods. One approximately 5-gallon biohazardous waste container was staged in the lab prep area as well. Stericycle, an independent contractor, is responsible for disposal of hazardous waste.

A kiln and shelving units housing numerous small containers of assorted glazes were observed in the pottery room. The photography classroom included a large color printer with multiple ink cartridges. A dark room also was present in the photography classroom, within which were observed multiple approximately 5- to 10-gallon dispenser containers of assorted photochemicals located on a secondarily contained table as well as without secondary containment beneath a work bench. One 55-gallon drum with a hazardous waste label indicating photographic waste was located within secondary containment on the dark room floor. Evidence of drippage from the dispenser containers on the table was observed; drips appeared contained to the table with no evidence of significant spills or releases on the dark room floor. Minor discoloration of vinyl floor tile in the vicinity of the hazardous waste collection drum was observed.

The back-stage area of the MVHS theater included a paint closet. Numerous 1-quart to 1-gallon containers of assorted paint and spackle were observed within the closet. No evidence of significant spills or releases was observed.

Interior finishes of permanent and portable structures at the Site included vinyl floor tile, sheet vinyl flooring, ceramic floor tile, concrete floors, painted gypsum board walls and acoustic ceiling tile.

Overhead power lines, with some power poles including pole-mounted transformers, extended along Bryant Street at the northern perimeter of the high school.

On the southern portion of the Site were the football field and other ball fields. Other exterior portions of the school included asphalt- and concrete-paved areas as well as landscaped areas, including a garden area with raised planter boxes. Student and staff parking lots were present at the Site; the student lot included solar panels and electric car chargers were present at the staff parking lot. Outdoor basketball/sports courts and tennis courts also are present on the Site.

MVLAUHSD maintenance yard facilities adjoin the Freestyle Academy to the east and southeast; vehicle repair and maintenance-related materials are anticipated utilized at the yard. Property use at other adjoining locations did not appear likely to include use of significant quantities of hazardous materials.

3.2.2 Regulatory Database Research

During the revised Phase I ESA, an *Environmental Data Resources (EDR) Radius Map™ Report with GeoCheck®* (EDR Radius Report) was obtained and reviewed to help establish if hazardous materials incidents, radon gas, and/or oil and gas wells have been reported on the Site or in the immediate area of the Site. The following sections outline the results of the research.

3.2.2.1 On-Site – 3535 Truman Avenue

The EDR Radius Report was reviewed to help establish if hazardous materials incidents, radon gas, or oil and gas wells have been reported on the Site or in the immediate Site vicinity. MVHS was included in the regulatory agency database report on the Resource Conservation and Recovery Act (RCRA) Small Quantity Generator (SQG), Facility Index System (FINDS), Enforcement and Compliance History Information (ECHO), Certified Unified Program Agency (CUPA) Listings, California Environmental Reporting System (CERS), CERS HAZ WASTE, and HAZNET databases. The SQG listing was from 1999; the types of waste generated were ignitable, corrosive and reactive hazardous wastes as well as numerous other laboratory reagents and metals. General RCRA generator violations were documented in 2005, corrected in 2006. The facility was reported *not* to be a "significant non-complier."

The CUPA listing documented MVHS as a facility with a hazardous materials business plan (HMBP) with 7 to 9 chemicals and as a generator of 100 kg to less than 5 tons of hazardous waste per year.

The CERS listings similarly documented MVHS as a hazardous waste generator and a chemical storage facility. Violations from 2016 and 2017 were for paperwork issues.

The HAZNET listings were for disposal of wastes including off-spec/aged/surplus organics, acidic liquids with metals, photochemicals/photoprocessing waste and laboratory waste chemicals, among others. Disposal years were documented as 1994 to 2016, the most recent year in which the database was updated. Additional HAZNET listings from 1998, 1999, 2002 and 2015 were for disposal of asbestos-containing waste; listings from 1998 and 2002 also indicated disposal of polychlorinated biphenyl (PCB) waste.

No significant information was included in the ECHO or FINDS database listings.

None of the listings indicate a significant environmental concern.

On July 7, 2018, MCI received hazardous materials files available from the Santa Clara County Environmental Health Department (SCCEHD) via email. The provided document was a 2018 California Environmental Reporting System (CERS) submittal indicating MVHS was a hazardous materials user/hazardous waste generator but had no USTs.

The Mountain View Fire Department (MVFD) also provided records via email. Based on review of the documents, MVHS had a hazardous materials and waste storage permit which expired in May 2018; the permit may since have been renewed and should be if it has not already. The permit documented generation of approximately 966 pounds of hazardous waste annually. Similar permits for previous years also were provided. A 2012 hazardous materials inventory documented materials like those observed at the time of the study, including one 150-gallon AST of hydrochloric acid, one 500-gallon AST of sodium hypochlorite and 4,104 cubic feet of carbon dioxide. Small quantities of photochemicals and science laboratory chemicals also were documented. Similar quantities of hazardous materials were documented back as far as 2008.

In addition to requesting files available at the local regulatory agencies, the on-line State Water Quality Control Board (SWQCB) Geotracker database and the California Department of Toxic Substances Control (DTSC) Envirostor database were reviewed on July 2, 2018. The Site was not included on either database for either agency at the time of the request.

3.2.2.2 Off-Site – 3535 Truman Avenue

Listings for off-Site facilities in the EDR report, including those identified as "orphan" facilities unable to be plotted due to incorrect or insufficient address information, were reviewed for their potential to impact the Site. A facility identified in the database report only as "Mountain View" with no given address was included on the Waste Management Unit Database System/Solid Waste Assessment Test (WMUDS/SWAT) database for discharge of designated/influent or solid wastes. Although the facility was plotted on the northern end of MVHS, the facility was referenced with an "Agency Name" of Chevron USA, Inc. and Hunter Petroleum Co., among others, and appears to be mis-plotted on the map and not to be associated with MVHS.

The Mountain View-Los Altos Union School District offices and maintenance facilities located at 1299 Bryant Avenue, adjoining the northeastern side of the MVHS, was included on the LUST, Historical LUST and Cortese databases for a spill of diesel to soil only from a former UST and is described below in Section 3.2.2.4.

Based on the available information, none of the other database listings are of significant concern to the Site.

3.2.2.3 On-Site – The Freestyle Academy at 1299 Bryant Avenue

The MVLAUHSD offices and maintenance facilities as a whole (1299 Bryant Avenue) were included in the regulatory agency database report on the Facility Index System (FINDS), Federal Insecticide, Fungicide & Rodenticide Act/Toxic Substances Control Act Tracking System (FTTS/Historical FTTS), Leaking Underground Storage Tank (LUST), Historical LUST, Historical Cortese, Certified Unified Program Agency (CUPA) Listings, California Environmental Reporting System (CERS), Hazardous Waste Tracking System (HWTS) and HAZNET databases.

The HAZNET and HWTS listings were for disposal of the USTs removed from the adjoining facility (discussed previously) in 1988, as well as disposal of other wastes appearing associated with off-Site facilities on the MVLAUHSD parcel. The CUPA and CERS listings for the Site address, also related to off-Site MVLAUHSD facilities sharing the Site address, indicated the school district as a chemical storage facility and generator of fewer than 100 kilograms/year of hazardous waste. No significant violations were documented.

The FTTS/Historical FTTS listings noted investigation related to asbestos in 1987. No further information was included.

No significant information was included in the FINDS database listings.

None of the listings indicate a significant environmental concern.

On April 3, 2020, MCI received hazardous materials files available from the Santa Clara County Environmental Health Department (SCCEHD) via an online portal link. The provided documents were related to off-Site MVLAUHSD facilities sharing the Site address, primarily the adjoining vehicle maintenance facility. No documentation indicated storage of hazardous materials and/or generation of hazardous waste at the Site itself.

On April 3, 2020, MCI requested hazardous materials files available from the Mountain View Fire Department through an online request. According to a response from the City of Mountain View, due to the continuing COVID-19 pandemic, processing of records requests was significantly delayed. Records were unavailable at the time this workplan was completed.

In addition to requesting files available at the local regulatory agencies, the on-line SWQCB Geotracker database and the California DTSC Envirostor database were reviewed on April 6, 2020. The Site was included the Geotracker database for the closed LUST case discussed previously. The Site was not included on the Envirostor database.

3.2.2.4 Off-Site Portions of 1299 Bryant Avenue

Review of the EDR electronic search of regulatory agency databases for adjoining and vicinity properties also was conducted. As discussed in Section 3.2.2.3, off-Site portions of 1299 Bryant Avenue included the MVLAUHSD offices, the Special Education offices, the Receiving, Purchasing and Vehicle Maintenance offices, permanent classrooms, garage buildings and room 4 of the Freestyle Academy. A few of the off-Site facilities were included on databases indicating storage/use of vehicle-related hazardous materials and generation of very small quantities of hazardous waste. No significant violations were documented in association with the database listings, and the adjoining MVLAUHSD facilities are not of environmental concern to the Site.

The LUST, Historical LUST, Historical Cortese and CERS database listings mentioned in Section 3.2.2.3 were for a diesel release to soil from former USTs. The approximate location of the former USTs are shown on Figure 2. The LUST case was closed with no further action required in 1995. Information on the former LUST case was available on the State Water Resources Control Board (SWRCB) Geotracker database reviewed online. Based on information included in the 1995 Case Closure Summary, one 550-gallon waste oil UST, two 2,000-gallon gasoline USTs and one 2,000-gallon diesel UST were removed in 1988. The locations of the former USTs could not be definitively identified but based on limited maps included in the closure summary they appear most likely to have been located east/southeast of the Site in the adjoining MVLAUHSD maintenance yard. Identified impacted soil from beneath one of the USTs reportedly was remediated and placed back into the excavation as fill. Residual soil impact was documented at a depth of 11 feet and decreased to non-detectable concentrations at 13 feet. Residual impact was reported to include 220 parts per million (ppm) total petroleum hydrocarbons as gasoline

(TPHg), 72 ppm total petroleum hydrocarbons as diesel (TPHd), 0.9 ppm benzene, 4.3 ppm toluene, 15 ppm ethylbenzene and 44 ppm xylenes. MCI notes that the reported depth of impact is not considered shallow (greater than 10 feet below ground surface) as detailed in the User's Guide of the SFBRWQCB Environmental Screening Levels (ESLs) (SFBRWQCB, 2019, Page 2-14), and all contaminant concentrations are less than their respective ESLs for direct exposure utilizing the applicable construction worker under any land use scenario at any depth criteria. As the residual impact is reportedly limited to off-Site soil, residual concentrations are less than applicable ESLs, and the LUST case has a closed status, the listing is not of significant concern to the Site. The UST closure report is included in Appendix B.

The HAZNET and HWTS listings were for disposal of the removed USTs in 1988, as well as disposal of other wastes appearing associated with facilities on the MVLAUHSD offices parcel.

Based on the available information, none of the other database listings are of significant concern to the Site.

3.2.3 Federal and State Radon Screening

Federal and State radon screening test data for the Site zip code of 94040 are included in the California Department of Health Services (DHS) California Statewide Radon Survey of 1990 and are a part of the EDR radius map reports in Appendix C of the Phase I ESA. Based on information provided in the regulatory agency database report, three Federal and 32 State radon screening tests have been performed in the site zip code. None of the State results indicated radon concentrations exceeding the EPA action level of 4 pCi/L. Radon concentrations reported in the Federal tests averaged 0.600 pCi/L in the first floor living area, with 100 percent of results less than 4pCi/L; radon testing of the second floor living areas and basements was not reported. The site falls within Federal EPA Radon Zone 2 for Santa Clara County, indicating indoor average radon concentrations between 2 and 4 pCi/L.

Based on the radon test data, radon accumulation does not appear to be a significant concern for the Site.

3.3 Phase II Environmental Site Assessment

The Phase I ESA (McCloskey, 2018b) identified a few Recognized Environmental Concerns (RECs) that resulted in soil sampling to evaluate to evaluate the Site for man-made and naturally-occurring hazardous compounds. A Phase II ESA (McCloskey, 2018a) was performed on the central classroom portion only of the MVHS and the following describes the sampling and the results of that sampling. The full report is included in Appendix C. Both the Phase I and Phase II ESAs were performed prior

to the MVLAUHSD engaging the DTSC in an environmental oversight agreement [EOA]. The EOA was fully executed on January 29, 2020.

The Phase I and Phase II ESAs were conducted using ASTM and DTSC School Program guidelines.

3.3.1 Former Agricultural Use - Sample Collection, Analyses and Analytical Results

The Site was cultivated with orchards from at least the late-1930s through the mid-1950s. Pesticides and herbicides were commonly applied to row crops and orchards and the presence of residual concentrations of organochlorine pesticides (OCPs) and arsenic were therefore potential environmental concerns. To address this concern, on July 30, 2018, soil samples were collected at six scattered locations (SS-1 through SS-6) across the expansion area and analyzed for OCPs (EPA Test Method 8081) and arsenic and lead (EPA Test Method 6010B). The sampling results are included in Table 1. The approximate discrete sampling locations are shown on Figure 3. This sampling event was performed in 2018 prior to DTSC oversight.

The organochlorine pesticide results show that four of the six samples had detectible concentrations of 4,4' DDD, 4,4'-DDE and/ or 4,4'-DDT. Three of the six soil samples had detectible concentrations of 4,4'-DDD ranging from 0.000448 mg/Kg to 0.0115 mg/Kg. None of the concentrations detected exceed the single compound USEPA RSLs of 1.9 mg/Kg for school uses. Four of the six soil samples had detectible concentrations of 4,4'-DDE ranging from 0.00041 mg/Kg to 0.261 mg/Kg. None of the concentrations detected exceed the single compound USEPA RSL of 2.0 mg/Kg for school uses. Three of the six soil samples had detectible concentrations of 4,4'-DDT ranging from 0.000445 mg/Kg to 0.0535 mg/Kg. None of the concentrations detected exceed the single compound USEPA RSL of 1.9 mg/Kg for school uses.

No other compounds were detected exceeding their respective laboratory reporting limits.

Arsenic was detected in all soil samples analyzed and ranged from 2.94 mg/Kg to 7.82 mg/Kg. Arsenic concentrations were compared to the published maximum naturally-occurring concentration of 11.0 mg/kg (Duverge', 2011). None of the concentrations detected in the soil samples exceeded the maximum naturally occurring background concentrations and all of the concentrations detected were determined to be within naturally occurring concentrations.

Lead concentrations were detected in all soil samples analyzed and ranged from 5.01 mg/kg to 45 mg/kg. Lead concentrations were compared to the DTSC HERO HHRA Note 3 screening level guidance of 80 milligrams per kilogram (mg/kg) for sensitive uses and none of the concentrations exceeded this threshold.

Copies of the analytical results and the chain of custody documentation are included in Appendix C.

3.3.2 Naturally Occurring Asbestos - Sample Collection, Analyses and Analytical Results

Outcrops of ultramafic rocks containing NOA are approximately 3 miles from the Site and geologic deposits derived from these rocks are closer than 10 miles and therefore samples were collected for NOA testing in accordance with the DTSC Schools Program guidelines.

To evaluate the potential presence of NOA in Site soils, five soil samples (NOA-1, NOA-2, NOA-3, NOA-4 and NOA-5) were collected from depths between surface to 3 feet below ground surface (bgs). The sampling results are included in Table 4. The approximate sampling locations are shown on Figure 3.

All samples were analyzed by Asbestos TEM Laboratories, Inc. of Oakland, California. Because of the fine-grained nature of some of the Site soils, analyses by Transmission Electron Microcopy (TEM) Quantitative EPA Method (TEM NOA EPA/CARB 435 Quantitative) were requested to resolve the presence of small asbestos fibers. Out of the five samples analyzed, one sample (NOA-5 at 0.025%) exceeded the DTSC School Unit screening criteria of 0.01%. In accordance with DTSC Tiered Response Action for Naturally Occurring Asbestos, for each lithologic unit if greater than 25% or more of the samples have PLM results for NOA greater than 1%, or if 25% or more of the TEM samples have 0.01% or greater NOA then the site will require mitigation for asbestos. Three of the initial samples had detectable concentrations of NOA and DTSC therefore recommended additional samples to be collected during the PEA sampling to further evaluate the Site for NOA.

Copies of the analytical results and the chain of custody documentation are included in Appendix C.

3.4 Demolition Activities

Demolition of the six portable structures in the central portion of the MVHS expansion area was completed in late September 2019 prior to the sub-excavation, re-compaction and backfilling of the new building footprints. The demolition included removal of all the concrete and asphalt. Prior to construction of the new building foundations, the soils beneath this area were sub-excavated, replaced and compacted, and lime-treated to a depth of 5 feet. The estimated total volume of soil over-excavated and lime-treated is 6,600 cubic yards. The sub-excavation and backfilling activities occurred prior to DTSC oversight and prior to the completion of the PEA Workplan. No soil was exported or imported to the Site, during the sub-excavation and backfilling activities.

4.0 POTENTIAL COMPOUNDS OF ENVIRONMENTAL CONCERN

Based on results of the review of historical documents, potential historical practices, interviews conducted during the previous Phase I ESAs, and the Site visit conducted by the DTSC, potential environmental concerns for the Site were established in the PEA Workplan, as described below.

4.1 Existing and Former Building Perimeters

4.1.1 Lead-Based Paint

Lead-based paint may have been used on the permanent classroom buildings (100, 200, 300 and 400 Blocks), the cafeteria and the gym constructed in the late-1950s/early-1960s, the portable structures in the central portion of MVHS that were installed in the early 1980s and early 2000s, and the Freestyle Academy portable classroom buildings 1, 2 and 5/6, that were installed in the late 1960s/early 1970s. Limited areas of exposed soil are present in landscaped areas adjoining the several of the buildings including portable classrooms of the Freestyle Academy. Therefore, flaking of lead-based paint is a potential environmental concern.

Based on these concerns the existing permanent classroom buildings (100, 200, 300 and 400 Blocks), cafeteria and gym perimeters, the former portable on the northeastern portion of the expansion area and possible runoff areas east and west of the Freestyle Academy portables are considered potential areas of concern for lead-based paint.

4.1.2 Polychlorinated Biphenyls

Window caulking and glazing have been known to contain PCBs for buildings constructed or renovated between 1950 and 1979. The permanent classroom buildings (100, 200, 300 and 400 Blocks), cafeteria and gym were constructed in the late-1950s/early-1960s and the Freestyle Academy portable classroom buildings 1, 2 and 5/6, that were installed in the late 1960s/early 1970s. Therefore, PCBs were considered potential areas of concern for deposition to surface soils. The other portable structures in the central portion of MVHS appeared to be were constructed after these dates and PCBs from this source were not a concern.

The portable buildings installed in the early 2000s and one of the portables for the Freestyle Academy was installed by 1991 and window caulking/glazing with PCBs was not likely utilized.

4.1.3 Organochlorine Pesticides and Arsenic

Based on historical practices prior to 1989 and permanent classroom buildings (100, 200, 300 and 400 Blocks), the gym, the cafeteria and the exposed soil area west of the Freestyle Academy portables may have been treated with OCPs and/or herbicides possibly containing arsenic likely through direct-surface application. Based on this evaluation, the perimeter of the existing

buildings, gym and cafeteria perimeters, the area of the former portables in the northwestern portion of the central portion of MHVS and the exposed soil area west of the Freestyle Academy and two locations within the Freestyle Academy, are considered potential areas of concern for OCPs and arsenic.

4.2 Former Agricultural Use

4.2.1 OCPs and Arsenic

The Site was cultivated with orchards from at least the late-1930s through the early/mid-1950s. Pesticides were commonly applied to row crops and orchards and the presence of residual concentrations of OCPs and arsenic were therefore identified by the DTSC as potential environmental concerns. Organochlorine pesticides were not widely used until the 1950's, and prior to this lead-arsenate pesticide were used by some farmers. Application of pesticides would likely have been done in a uniform manner to treat the entire crop area. Previous Phase II sampling evaluated the central portion of the MVHS for residual agricultural chemicals, but the other expansion areas were not tested. The Conceptual Site Model (CSM) for the Site therefore led to the collection of shallow soil samples from across the Site for presence of residual concentrations of OCPs and arsenic.

4.2.2 Diesel and Motor Oil Range Total Petroleum Hydrocarbons and PAHs

Because it is not known what type of orchards was grown on the Site, other potential environmental concerns may exist at the Site. Smudge pots were commonly use with citrus groves to prevent frost from impacting the fruit trees and destroying the crop. Residual total petroleum hydrocarbon (TPHs) and polycyclic aromatic hydrocarbons (PAHs) are associated with the use of smudge pots and were therefore identified as a potential concern.

4.3 Naturally Occurring Asbestos

Naturally occurring asbestos is often present in ultramafic rocks in the Bay area and can be eroded and transported in sediment long distances. The Site is approximately 3 miles from ultramafic rocks that potentially contain NOA. The Site also appears to be located approximately 3 miles from mapped Franciscan meta-volcanic rocks. These metavolcanics rocks also have the potential to contain NOA. Therefore, Site soils were considered an area of concern for NOA.

5.0 ENVIRONMENTAL SETTINGS

This section describes Site environmental conditions that could potentially influence the transport of contaminants from the source through identified potential exposure pathways to an exposed individual or environmental receptor.

5.1 Factors Related to Soil Pathways

5.1.1 Site and Surrounding Area Topography

Site topography is generally level, with a Site elevation of approximately 189 feet above mean sea level. The vicinity topography slopes very gently towards the northeast. The Site boundaries generally are undelimited within the existing school as shown on Figure 2.

5.1.2 Evidence of Environmental Impacts

The results of the Phase I ESA, Phase II ESA and PEA investigation indicate that man-made and naturally occurring contaminants were present on the Site exceeding regulatory threshold concentrations for school uses. Elevated PCBs, lead and pesticide concentrations were detected in the southwest of the gymnasium, north of the 400-Block permanent classroom building and several locations around the Freestyle Academy. A Supplemental Site Investigation (SSI) will be performed to determine the lateral and the vertical extent of contamination exceeding DTSC guidelines. The impacted soils will most likely be mitigated by excavation. The soil would then be off-hauled and disposed of at a landfill prior to Site redevelopment. Some of this soil may exceeds hazardous waste concentrations. The removal would need to be done under an approved Removal Action Workplan (RAW).

5.1.3 Site Geologic Setting and Soil Types

The town of Mountain View located in the northern portion of Santa Clara County, southwest of the San Francisco Bay. Specifically, the Site is located near the intersection of the Peninsula Range with the northern end of the Santa Clara Valley. Santa Clara County is in the Coast Ranges geomorphic province, which is characterized by northwest-trending mountain ranges and valleys subparallel to the San Andreas Fault. The Site is located approximately 3 miles from mapped Franciscan rocks that could contain NOA.

Based on information contained in the Environmental Data Resources Radius Map™ Report with Geocheck® (EDR Radius Report) prepared for the Phase I ESA (McCloskey, 2018b), soils in the vicinity of the Site are categorized by the USDA Soil Conservation Service as Botella clay loam. The EDR Radius Report is provided in the appendices of the Phase I ESA.

The Botella series is moderately- to well-drained with a moderately coarse texture (EDR, 2020).

The Site is located within the Santa Clara Valley Groundwater Basin, Santa Clara Subbasin. The aquifer system in the subbasin consists of the Santa Clara Formation and Pleistocene-Holocene Alluvium. The Santa Clara Formation is comprised of Plio-Pleistocene-age materials. The Pleistocene-Holocene Alluvium is the most significant water-bearing formation in the Subbasin.

Based on vicinity hydrogeological information obtained from the State Water Resources Control Board (SWRCB) Geotracker database and the Phase I ESA (McCloskey, 2018b), first groundwater is expected at depths of approximately greater than 75 feet beneath ground surface. The groundwater flow direction is documented towards the north/northeast.

5.1.4 Site Accessibility

The Site can be accessed from the northern portion of the school property on Bryant Avenue or the western portion of the school property on Truman Avenue.

5.1.5 Preventive Measures

Most of the Site is paved or covered with structures, landscaped or hardscape. The redevelopment is expected to be episodic over a few years. The redevelopment will include be during the academic school year when students and school personnel could be present if allowed during the Covid-19 pandemic and also the summer months at a time when the number of students and personnel will be at a minimum. Preventative measures such as engineering controls were implemented to mitigate exposure to chemicals and to NOA during the redevelopment activities.

5.1.6 Nearest Potentially Affected Areas

The planned redevelopment of the Site includes upgrading several portions of the existing school grounds. Many single-family residences are located within 1 mile of the Site and surround the school on all sides.

The following schools were identified within one mile of the Site: Oak Avenue Elementary School, Alta Vista High School, Sunnyvale Middle School, Stratford School – Sunnyvale De Anza Park, Miramonte Christian School, Bullis Charter School - South Campus, Cherry Chase Elementary School, Frank L. Huff Elementary School, Montecito Preschool, Mountain View Parent Nursery School, Community First School, Georgina P. Blach Intermediate School, Saint Timothy's Preschool, and Frank L. Huff Elementary School.

5.2 Factors Related to Water Pathways

5.2.1 Potential Migration Pathways to Groundwater

As stated previously, GeoTracker information indicates that first groundwater is expected at depths of approximately 75 feet beneath ground surface and generally flows to the north-northeast. The COCs at the Site include lead-based paint flakes, OCPs/arsenic, PCBs, TPH, PAHs and NOA, all of which have relatively low solubility and mobilities in soil and are not expected to

be capable of significant downward migration into the soil column. Therefore, the likelihood of transport of potentially hazardous substances at the Site to groundwater is very low.

5.2.2 Potential Migration Pathways to Surface Water Bodies

The most likely migration pathway of potentially hazardous substances to surface water bodies is through stormwater runoff, and subsequent discharge to nearby surface water bodies. Stevens Creek was identified to the east and southeast of the Site. To the east of the Site, Stevens Creek was located only 0.15 miles away, although the creek was located on the opposite side of Highway 85. The nearest large surface water body is San Francisco Bay, located approximately 5 miles north of the Site. Therefore, the likelihood of transport of potentially hazardous substances to surface water bodies is low if preventative measures are taken.

5.2.3 Preventive Measures

As stated, most of the Site and surrounding areas are currently paved or covered with structures. The planned redevelopment is expected to take several years for completion and rainfall is expected during the winter months, therefore, transport via surface runoff to storm drains is a potential concern. During grading and construction, a variety of best management practices will be employed to comply with existing State stormwater regulations to control potential runoff and reduce erosion and sediment transport via the stormwater system from the Site.

5.3 Factors Related to Air Pathways

5.3.1 Potential Release Mechanisms

During mass grading and construction, soils will be exposed until construction is finished. Wind transport of affected soils and NOA are anticipated potential pathway for a release of impacted soil to air.

5.3.2 Prevailing Wind Direction and Velocity

The daily prevailing wind direction in the Site vicinity reportedly varies throughout the year. According to Weatherspark.com, the wind in Mountain View most often is from the west between mid-February and early-November, and from the north between early November and mid-February. Wind speeds are variable, but average between approximately 6.7 and 9.2 miles per hour. The windier parts of the year are from mid-February to mid-July.

5.3.3 Local Climate Information

According to Weatherspark.com, the average monthly precipitation in the Mountain View area ranges from a low of 0 inches in late-July, to a high of 3.7 inches in mid-February. The rainy

season in the area generally is from October to May. The temperature at the Site throughout the year generally ranges from 44 to 76 degrees Fahrenheit.

5.3.4 Timing of Release Mechanisms

During redevelopment soil will be exposed, and the exposure potential varies upon the activity and could result in a potential release of impacted soil particles into the air.

5.3.5 Potentially Affected Areas

If not controlled the immediate Site vicinity could be affected by the release of impacted soils dispersed by wind.

5.3.6 Preventive Measure

During construction, engineering controls (e.g., dust abatement, plastic sheeting, etc.) have been put into place to control airborne particles. Perimeter NOA monitoring will also be performed during any additional earth disturbing activities to evaluate the effectiveness of the dust control measures.

6.0 PEA SAMPLING AND ANALYSIS

As stated previously, the primary objective of sampling during a PEA investigation is to identify if chemicals or naturally occurring substances are present at the Site that could represent health or hazard risks for the planned future school use. The scope of work described below was designed to target suspected areas of environmental concern and to analyze soil for the appropriate COCs discussed previously in Section 4.0, and was included in the PEA Workplan (McCloskey, 2020b).

During the PEA sampling, a total of 86 soil samples were collected at depth intervals ranging from 0-½ feet bgs to 2 to 2½ feet bgs, depending on the sample location, the presence of asphalt, and the target analytes. The 11 samples collected for NOA analysis were collected at depth intervals ranging up to 8 feet bgs.

Near-surface soils were collected using hand augering equipment with a 3 inch-diameter stainless steel auger head or a decontaminated pick or shovel. The soil from the upper 6 inches or first encountered soil beneath the concrete or asphalt was placed in new, laboratory-supplied 8-ounce. Soil samples collected from depths deeper than 1 foot were collected using a hand auger and/or slide hammer. A hand auger was used to advance the borings to a depth of approximately 2 feet bgs. A slide hammer was used to advance a 2.5-inch diameter, 6-inch long core sampler with a stainless-steel liner. Once the sample was collected, the liner was capped with Teflon™ film, fitted with a tight-fitting cap, and labeled with a unique sample identifier. The stainless-

steel liners were then placed in plastic bags for temporary storage in an insulated cooler. Samples collected around the central portion of MVHS and the borings for NOA samples were collected using direct-push drilling equipment. Samples were collected using stainless steel push rods fitted with plastic liners. Once the desired depth was reached, the rod/liner was extracted and the targeted sample interval was cut from the liner, capped with Teflon™ film, fitted with a tight-fitting cap, and labeled with a unique sample identifier. Non-dedicated sampling equipment (e.g., drill shoe, hand auger and slide hammer) was decontaminated prior to and in between sample locations. Decontamination procedures include washing equipment in a liquinox and water bath to remove all soil particles, followed by double-rinsing with distilled water to mitigate the potential for cross-contamination between samples.

The samples were then placed in an insulated cooler chilled to 4 degrees +/- 2 degrees Celsius and hand delivered by MCI personnel under chain-of-custody for shipping to a California-certified analytical laboratory.

The samples were analyzed for select chemicals at Pace Analytical National Laboratory in Mount Juliet, Tennessee. The NOA samples were analyzed by Asbestos TEM Laboratories, Inc. of Oakland, California. Laboratory analytical results are summarized in the following tables:

- Table 1 – OCPs and Metals
- Table 2 – PCBs
- Table 3 – TPH and PAHs
- Table 4 – NOA

Laboratory analytical reports and chain-of-custody forms are included in Appendix D. Detected concentrations were compared to the DTSC-SLs presented in DTSC HERO HHRA Note 3 dated June 2020, (HERO, 2020). If a DTSC-SL has not been established, the soil results were compared to USEPA Region 9 RSLs (USEPA, November 2020). The SFBRWQCB ESLs were used for the total petroleum hydrocarbon compounds and specific PAH compounds (SFBRWQCB, 2019). The arsenic results were compared to published naturally occurring concentrations for the San Francisco Bay Area (Duvergé, 2011). NOA results were compared to the DTSC School Unit screening criteria.

6.1 Existing Building Perimeters

6.1.1 Soil Sampling and Analyses

To evaluate potential environmental concerns associated with flaking of lead-based paint, PCBs in window caulking/glaze, and the direct application of OCPs and arsenic, soil samples were collected from the north and south of the permanent classroom building 100 (BP-1 through BP-

4, B-100SW, B-100SE, B-100NW and B-100NE), north and south of the permanent classroom building 200 (BP-5 through BP-9), north and south of the permanent classroom building 300 (BP-10 through BP-15), the north, west and south of the existing gym (BP-16 through BP-21), north and south of the permanent classroom building 400 (BP-22 through BP-27), east and west of the cafeteria (BP-28 through BP-30), east and west of Rooms 5/6 (BP-31 through BP-33) and in the landscaping in the west side (BP-34 and BP-35) and also in the central area (BP-36 and BP-37) of the Freestyle Academy. To evaluate for the injection of OCPs and the potential vertical extent of any contamination in the shallow surface soil, samples were collected at boring locations (BP-1 through BP-37, B-100SW, B-100SE, B-100NW and B-100NE) placed within approximately 1 foot from the outside walls or the concrete sidewalk of the existing buildings. The soil borings were conducted at the same locations or as close as possible to the shallow soil samples.

Samples were collected from a depth of 0 to ½ foot bgs or from the first six inches of soil encountered below the asphalt. All the near-surface samples were analyzed for lead (EPA Test Method 6020B), PCBs (EPA Test Method 8082), OCPs (EPA Test Method 8081), and arsenic (EPA Test Method 6020B). Samples were collected from a depth of 2 to 2½ foot bgs were also analyzed for OCPs. Samples collected at location B-100SW, B-100SE, B-100NW and B-100NE were collected from concrete cored locations within 6 inches from the walls of the permanent classroom building 100 from a depth of 1 to 1½ foot bgs and analyzed for OCPs.

Due to the pool deck (concrete) located on the eastern side of the existing gym, no borings were performed on the eastern side of the gym.

The approximate sampling location are shown on Figure 4.

6.1.2 Analytical Results

The laboratory results of the pesticides, arsenic and lead analyses are summarized in Table 1. The laboratory results PCBs analyses are summarized in Table 2. The complete laboratory reports are included in Appendix D.

The OCP results indicate that pesticides concentrations were detected at most of the sampling locations. Concentrations of 4,4'-DDD, 4,4'-DDE, 4,4'-DDT or technical chlordane were detected in at least one of the samples collected. Concentrations of 4,4'-DDD were detected ranging from 0.00406 mg/Kg to 0.0414 mg/Kg. These concentrations are well below the single compound USEPA RSL of 1.9 mg/Kg for school uses. Concentrations of 4,4'-DDE were detected ranging from 0.00519 mg/Kg to 0.777 mg/Kg. These concentrations are well below the single compound USEPA RSL of 2.0 mg/Kg for school uses. Concentrations of 4,4'-DDT were detected ranging from 0.00873 mg/Kg to 0.659 mg/Kg. These concentrations are well below the single compound USEPA RSL of 1.9 mg/Kg for school uses. Chlordane was detected exceeding the laboratory reporting limit in three of the samples at concentrations ranging from 0.243 mg/Kg to 2.07. One

of the technical chlordane concentrations detected exceeded the single compound USEPA RSL of 2.07 mg/Kg for school uses. No other OCP was detected exceeding the laboratory reporting limit.

Arsenic was detected at all 37 of the surface soil /near surface sampling locations and ranged from 0.331 mg/Kg to 6.32 mg/Kg. Arsenic concentrations were compared to published naturally occurring concentrations for the San Francisco Bay Area (Duvergé, 2011) of 11 mg/kg. The results indicate that all the arsenic concentrations detected at the Site were within naturally occurring background concentrations.

Lead was detected in all 37 of the surface soil /near surface sampling locations and ranged from 0.48 mg/Kg to 123 mg/Kg. Lead concentrations exceeded the DTSC-SL of 80 mg/Kg at two of the sampling locations (BP-34 and BP-35) on the western side of the Freestyle Academy.

PCB concentrations of Arochlor 1254 were detected in nine of the samples collected exceeding the laboratory reporting limits and ranged from 0.0532 mg/Kg to 4.08 mg/Kg. Seven of the nine concentration detected exceeded the USEPA RSL of 0.24 mg/Kg. Elevated concentrations were detected on the southwestern side of the gymnasium in a tree well (BP-19), the northern side of the 400 Block permanent classroom building in a tree well (BP-22) and five locations around the Freestyle Academy (BP-31 through BP-35).

Five duplicate surface soil samples (BP-16B, BP-27B, BP-27D, BP-30B, and BP-32B) were collected from around the building perimeters of the gymnasium, the 400-block permanent classroom, the cafeteria and the eastern side of Room 5/6 portable of the Freestyle Academy. The arsenic, lead, OCP and PCB concentrations detected in the duplicate samples are very similar to the concentration of the original sample.

6.2 Former Building Perimeters

6.2.1 Soil Sampling and Analyses

To evaluate potential environmental concerns associated with flaking of lead-based paint, PCBs in window caulking/glaze, and the direct application of OCPs, soil samples will be collected from across the over-excavated and lime-treated area of the new construction in the central portion of the school with new additional classrooms under construction at the time of the PEA sampling. The former portables were locations on the northwestern side of the new construction and currently under portions of the newly constructed foundations. In late September 2019, prior to construction of the new buildings, the soils beneath this area were sub-excavated, replaced and compacted, and lime-treated to a depth of 5 feet. The estimated total volume of soil over-excavated and lime-treated is 6,600 cubic yards. The sub-excavation and backfilling activities occurred prior to DTSC oversight and prior to the completion of the PEA Workplan.

After discussions with the DTSC, the sampling of the area was based on DTSC Guidance for Clean Imported Fill material (DTSC, 2001). Using the approximate 6,600 cubic yard of material over-excavated and lime-treated, the guidance recommended a total of 14 samples were collected across the over-excavated and treated areas. Soil samples were collected at seven boring locations (BP-38 through BP-44) placed around the new foundations and are shown on Figure 4. Two samples were collected from each boring at a depth of 0 to 0.5-foot bgs, and either 2.0 to 2.5-feet bgs or 4 to 4.5-feet bgs.

All the shallow and deeper soil samples were analyzed for lead (EPA Test Method 6010B), PCBs (EPA Test Method 8082), and OCPs (EPA Test Method 8081).

6.1.2 Analytical Results

The laboratory results of the pesticides and lead analyses are summarized in Table 1. The laboratory results PCBs analyses are summarized in Table 2. The complete laboratory reports are included in Appendix D.

The OCP results indicate that pesticides concentrations were detected in seven of the 14 soil samples. Concentrations of 4,4'-DDD, 4,4'-DDE, and/or 4,4'-DDT were detected in at least one of the samples collected. 4,4'-DDD was only detected exceeding the laboratory reporting limit in one of the discrete samples at concentration of 0.00682 mg/Kg. This concentration is well below the single compound USEPA RSL of 1.9 mg/Kg for school uses. Concentrations of 4,4'-DDE were detected ranging from 0.0203 mg/Kg to 0.222 mg/Kg. These concentrations are well below the single compound USEPA RSL of 2.0 mg/Kg for school uses. Concentrations of 4,4'-DDT were detected ranging from 0.0135 mg/Kg to 0.106 mg/Kg. These concentrations are well below the single compound USEPA RSL of 1.9 mg/Kg for school uses.

Lead concentrations were detected in all of the soil samples collected from around the former building perimeters exceeding the laboratory reporting limits. The concentrations detected ranged from 1.79 mg/Kg to 25.5 mg/Kg. None of the lead concentrations detected exceeded the DTSC-SL of 80 mg/Kg.

No PCBs were detected in any of the samples collected exceeding the laboratory reporting limits.

One duplicate surface soil sample was collected from around the former building perimeters (BP-40 at 2-2½ ft bgs). The lead concentration detected in the duplicate sample are very similar to the concentration of the original sample.

6.3 Former Agricultural Use

6.3.1 Soil Sampling and Analyses

The Site is approximately up to 4.2 acres area throughout the MVHS campus. Based on the DTSC guidelines (DTSC, 2008) for agricultural sampling, the DTSC recommends eight soil samples for 4-acre sites. Six discrete samples (SS-1 through SS-6) were collected during the previous Phase II sampling (McCloskey, 2018a).

To evaluate potential environmental concerns associated with historical agricultural cultivation, surface soil samples were collected at two additional locations (AG-1 and AG-2) across the Site. Two additional surface soil samples (AG-3 and AG-4) were collected from the utility trench along the southwestern portion of central portion of the MVHS. Samples were collected from a depth of 0 to ½ foot bgs. The approximate sampling locations are shown on Figure 4.

The near-surface sample were analyzed for OCPs (EPA Test Method 8081) and arsenic (EPA Test Method 6020B). To evaluate for the use of smudge pots, the four samples were also analyzed for diesel and motor oil range total petroleum hydrocarbons (EPA Test Method 8015) and polycyclic aromatic hydrocarbons (PAHs) (EPA Test Method 8270 SIM).

6.3.2 Analytical Results

The laboratory results of the pesticides and arsenic analyses are summarized in Table 1. The laboratory results of the TPH and PAH analyses are summarized in Table 3. The complete laboratory results are included in Appendix D.

The OCP results indicate that pesticides concentrations were detected in all four sampling locations. Concentrations of 4,4'-DDD, 4,4'-DDE, 4,4'-DDT or endrin aldehyde were detected in at least one of the samples collected. 4,4'-DDD was only detected exceeding the laboratory reporting limit in one of the discrete samples at concentration of 0.00492 mg/Kg. This concentration is well below the single compound USEPA RSL of 1.9 mg/Kg for school uses. Concentrations of 4,4'-DDE were detected ranging from 0.0103 mg/Kg to 0.0549 mg/Kg. These concentrations are well below the single compound USEPA RSL of 2.0 mg/Kg for school uses. 4,4'-DDT was only detected exceeding the laboratory reporting limit in one of the discrete samples at concentration of 0.0395 mg/Kg. This concentration is well below the single compound USEPA RSL concentration of 1.9 mg/Kg for school uses. Endrin aldehyde was only detected exceeding the laboratory reporting limit in one of the discrete samples at concentration of 0.0494 mg/Kg. No regulatory threshold has been established for endrin aldehyde. No other OCP was detected exceeding the laboratory reporting limit.

Arsenic was detected at three of the four sampling locations and ranged from 3.82 mg/Kg to 8.1 mg/Kg. The arsenic concentrations appear to be within the naturally-occurring background concentrations (Duverge', 2011).

Diesel and/or motor-oil range petroleum hydrocarbons results were detected in all four of the samples collected. The results were compared to the San Francisco Regional Water Quality Control Board (SFRWCB) Tier 1 Environmental Screening Levels (ESLs) because the DTSC and the USEPA no not have screening levels for these compounds. None of the diesel and motor-oil range petroleum hydrocarbon concentrations detected exceeded their Tier 1 ESLs of 260 mg/Kg and 1,600 mg/Kg, respectively.

Concentrations of several PAH compounds were detected in three of the four surface soil samples collected. The results were compared to their respectively USEPA RSLs, DTSC-SLs or RWQCB ESLs for residential soils. None of the PAH compounds detected exceeded their respective regulatory threshold.

One duplicate surface soil sample was collected with the agricultural sampling (AG-3B). The OCPs arsenic, diesel and motor-oil TPHs and PAH concentrations detected in the duplicate sample were very similar to the concentrations of the original sample.

6.4 Naturally Occurring Asbestos

6.4.1 Soil Sampling and Analyses

To further evaluate for the presence of NOA is Site soils, soil borings were performed across the project area. Based on the DTSC guidelines (DTSC, 2004) for NOA sampling, the DTSC recommends 2 to 4 soil borings for a 4-acre Site.

To evaluate the potential presence of NOA, sampling for NOA was performed at three boring locations (NOA-6, NOA-7 and NOA-8) distributed across the project area as shown on Figure 5. Samples were collected from two different depths, a shallow soil sample (surface to approximately 3 feet) and a deeper soil sample (6 to 7 feet below ground surface) from each boring (up to 6 total samples). Geologic logging was performed at each boring location to ensure the sample depths were appropriate. Conversations with the on-Site construction manager identified the maximum depth of utilities to be approximately 5 feet below ground surface. Using the guidance document recommendations, the deeper samples were collected from 1 foot below the bottom of the deepest potential excavation. The deeper samples were collected from 6 to 7 feet below existing grade at each of the NOA sampling locations.

Because one of the samples previously analyzed for NOA exceeded the DTSC School Unit screening criteria of 0.01%, all of the new samples were analyzed by Transmission Electron

Microcopy (TEM) Quantitative EPA Method (TEM NOA EPA/CARB 435 Quantitative) to resolve the presence of small asbestos fibers. The samples were analyzed by Asbestos TEM Laboratories, Inc. of Oakland, California.

6.4.2 Soil Sampling and Analyses

The laboratory results of the NOA analyses are summarized in Table 4. The complete laboratory results are included in Appendix D.

NOA was detected at concentrations ranging from 0.006% to 0.305%. The NOA concentrations exceeded the DTSC School Unit screening criteria of 0.01% in five of the six samples analyzed. Only the deeper sample (NOA-6 at 6 to 7 feet bgs) collected from sampling location NOA-6 did not exceed the regulatory threshold. Including the previous NOA sampling, six of the 11 soil samples analyzed for NOA exceed the DTSC School Unit screening criteria of 0.01%, thus exceeding the requirement of 25% of the samples to be less than the 0.01% criteria. Because of this, dust control measures and perimeter monitoring for NOA fibers will be needed during additional construction activities as well as capping and long-term measures to control the long-term release of asbestos fibers.

6.5 Investigation-Derived Waste

The investigated-derived waste (IDW) (i.e., soils) generated during this investigation was placed on the ground adjacent to the sampling points. Hand-sampling equipment was decontaminated using a three-bucket decontamination method. Rinsate water generated during the decontamination of the sampling equipment was discharged to the ground in the specific area being sampled. Used gloves were placed in plastic garbage bags and discarded in a municipal refuse dumpster.

6.6 Sampling Variances

The field sampling that was performed in general accordance with the DTSC-approved PEA Workplan. Variances from the Workplan included:

- Sampling locations BP-18, BP-19 and BP-22 were slightly moved due to the location of landscaping wells and tree wells in the concrete around the gymnasium and 400 block permanent classroom building.
- Sampling locations BP-38, BP-40, BP-42, BP-43 and BP-44 were slightly moved due to the construction of the foundation and utility trenches of some of the new classrooms in the central portion of the MVHS.

- Per DTSC direction during the PEA Sampling, sampling locations B-100NW, B-100NE, B-100SW and B-100SE were added and cored within six inches of the walls of 100 Block permanent classroom building. Samples were collected from 1 to 1½ feet bgs and analyzed for OCPs.
- Per DTSC direction during the PEA Sampling and the location of several utility trenches, deeper samples (2 to 2½ feet bgs) were not collected from the sampling locations BP-17, BP-20 and BP-21 on the northern and southern sides of the gymnasium and from locations BP-22, BP-23 and BP-24 on the northern side of the 400 Block permanent classroom building. The sampling locations were more than 10 feet from the sides of the existing buildings and the deeper samples were to evaluate if OCPs were injected adjacent to the existing building walls.

All the other sampling was performed in accordance with the PEA Workplan.

7.0 QUALITY ASSURANCE/QUALITY CONTROL

Laboratory analytical data from the samples collected at the Site were reviewed for data quality and usability in the risk evaluation. The initial Phase II samples and the PEA samples were analyzed at Pace National Analytical Laboratory in Mount Juliet, Tennessee. The NOA analysis was performed at Asbestos TEM Laboratories, Inc. in Oakland, California.

7.1 Sample Receipt and Hold Times

The laboratory work order number for the previous Phase II sampling was L1014137. The samples were collected on July 30, 2018 and received by labs on August 2, 2018. No adverse sample handling conditions were reported by the laboratory upon receipt of the samples. All samples were extracted and analyzed within the specified hold times.

The NOA analysis from Asbestos TEM Laboratories, Inc. is included in work order numbers 367080 and 371505. The samples were collected on November 7, 2019 and November 24, 2020. Samples were received by labs on November 7, 2019 and December 2, 2020. No adverse sample handling conditions were reported by the laboratory upon receipt of the samples. No hold times are specified for the samples analyzed for NOA by TEM methods.

For the PEA sampling, soil samples were recorded in two work orders identified as L1288565 and L1290342. Laboratory sample identification numbers for Site soil samples include: L12885657-01 through -065 and L1290342-01 through -28 . For work order L1288565 the samples were collected on November 17, 2020 and November 18, 2020 and were received by the laboratories November 20, 2020. For work order L1290342 the samples were collected on November 24, 2020 and were received by the laboratories November 25, 2020. No adverse sample handling

conditions were reported by the laboratory upon receipt of the samples. All samples were extracted and analyzed within the specified hold times.

7.2 Reporting Limits

All undiluted reporting limits were at or below the various specified screening levels. Several "J" flags for pesticides and PAHs were qualified by the laboratory in many of the samples indicating an estimated concentration between the Method Detection Limit (MDL) and the Reported Detection Limit (RDL); in these instances, the reported concentrations should be considered estimates rather than quantitative.

All the samples were analyzed at a standard dilution of 1x, unless the samples were diluted due to the nature of the matrix (dark, viscous extract).

8.0 HUMAN HEALTH SCREENING EVALUATION

8.1 Lead

Lead concentrations were present at the Site exceeding DTSC-SL for sensitive uses of 80 mg/Kg in soils at two locations (BP-34 and BP-35) along the western side of the Freestyle Academy. To further evaluate the extent of elevated lead in this area, additional sampling will be conducted via a supplemental site investigation (SSI). The elevated lead concentrations identified in shallow soils pose a potential risk of direct contact with future Site users and will be mitigated by excavation in the area of the planned redevelopment. The soil would be off-hauled and disposed of at an appropriately licensed landfill prior to Site redevelopment.

8.2 PCBs

Elevated PCB concentrations of Arochlor 1254 were present in the shallow soils at five locations (BP-31, BP-32, BP-33, BP-34 and BP-35) around the Freestyle Academy and in two tree wells (BP-19 and BP-22) between the gymnasium and the 400 Block classroom building exceeding the USEPA RSL for residential uses of 0.24 mg/Kg. To further evaluate the extent of elevated PCBs, additional sampling will be conducted via a SSI. The elevated PCB concentrations identified in shallow soils pose a potential risk of direct contact with future Site users and will be mitigated by excavation in the area of the planned redevelopment. The soil would be off-hauled and disposed of at an appropriately licensed landfill prior to Site redevelopment.

8.3 OCPs

Elevated chlordane concentrations were present at the Site exceeding USEPA RSL for residential uses of 1.7 mg/Kg in soils at one location (BP-34) along the western side of the Freestyle Academy

and is co-located with elevated lead. To further evaluate the extent of elevated chlordanes in this area, additional sampling will be conducted via a SSI. The elevated chlordane concentrations identified in shallow soils pose a potential risk of direct contact with future Site users and will be mitigated by excavation in the area of the planned redevelopment. The soil would be off-hauled and disposed of at an appropriately licensed landfill prior to Site redevelopment.

8.4 Arsenic

Arsenic is a naturally occurring element that is typically present in soils in the San Francisco Bay Area at concentrations that equal or exceed health risk-based screening levels. Arsenic was detected in 52 of the soil samples collected from the Site and ranged from an estimated concentration of 0.331 to 8.1 mg/Kg. The arsenic results included the six sampling results from the previous Phase II sampling (McCloskey, 2018a). The arsenic results were compared to published naturally-occurring concentrations for the San Francisco Bay Area (Duvergé, 2011). The arsenic results indicate that the concentrations detected at the Site are within the naturally occurring background concentrations.

8.5 TPH

No elevated concentrations of diesel or motor oil range petroleum hydrocarbons were detected exceeding their respective SFBRWQCB ESL for direct exposure human health risks for residential uses and the concentrations detected do not pose an unacceptable risk to future Site users.

8.6 PAHs

No elevated concentrations of PAHs were detected exceeding their respective DTSC-SL, USEPA RSL for residential uses or SFBRWQCB ESL and the concentrations detected do not pose an unacceptable risk to future Site users.

8.7 Naturally Occurring Asbestos

The NOA concentrations in the alluvial soils underlying the entire Site exceed the DTSC Schools Programs guidelines for NOA. To prevent future exposure to Site soils, all soils will be capped with either classroom buildings, hardscape, artificial turf, or capped with clean import fill soils 6 inches to 1 foot in thickness that is approved prior to import to the Site.

8.8 Carcinogenic Risk

Carcinogenic compounds identified at the Site are shown in Table 5. To evaluate the theoretical cumulative cancer risk, the ratio sum method was used, as described USEPA RSL guidance documents. In this method, cumulative cancer risk is estimated by summing the ratio of the

detected concentrations for chemicals with cancer effects divided by the respective single-compound DTSC-SLs, USEPA RSLs or RWQCB ESL, and multiplied by 10^{-6}, which yields a conservative estimate of the excess risk of cancer for exposure to these chemicals.

The cumulative cancer risk for theoretical exposure to detected compounds is estimated at 1.92 $x10^{-5}$, which exceeds the DTSC excess cancer risk recommendation of 1 x 10^{-6}. The cumulative cancer risk for the on-site soil therefore poses an unacceptable risk to future Site users and mitigation will be required prior to construction in the Site areas.

8.9 Non-Carcinogenic Risk

The cumulative non-cancer Hazard Index (HI) for chemicals with non-cancer effects is calculated to be 0.098 which is less than the maximum value of 1.0 and is therefore indicating acceptable concentrations of chemicals.

9.0 ECOLOGICAL SCREENING EVALUATION

9.1 Site Characterization

As shown on Figure 2, the entire high school and Site is surrounded by single-family residences structures. There are no wildlife habitats in the immediate vicinity of the Site.

9.2 Biological Characterization

Based on current Site usage and the lack of wildlife habitats in the immediate vicinity of the Site, a biological resource report was not deemed necessary.

10.0 PUBLIC PARTICIPATION

The public outreach for the PEA started with providing a notification of the field sampling work to residents within line of sight of the Site. The notice was reviewed and approved by the DTSC. The District's current intention is to make the PEA available for public review by Education Code, section 17213.1, subdivision (a)(6A), (or "option A"), where the PEA review is reviewed independently of the California Environmental Quality Act (CEQA) review. Copies of the report will be placed at the Mountain View Los Altos Union High School District Office, and on DTSC's Envirostor database. A public notice will be placed in the local paper, announcing the availability of the PEA for review, the locations, and the date of the public hearing.

11.0 CONCLUSIONS AND RECOMMENDATIONS

A Phase II ESA was previously performed (McCloskey, 2018a) to evaluate if contamination was present on the Site. Residual lead, arsenic and OCP concentrations were identified in the soil but none of the concentrations detected exceeded their respective regulatory thresholds or natural-occurring background concentrations. The previous Phase II ESA sampling was performed prior to the DTSC involvement and was only performed on the central portion of the MVHS. The Phase II ESA was done in accordance with DTSC guidance but not with DTSC participation.

The PEA sampling was performed to evaluate additional concerns identified by the DTSC after an oversight agreement was in place. The environmental concerns identified prior to sampling that could have posed a health risk included flaking of lead-based paint around current and historical structures, surface application or injection of OCPs around building perimeters, PCB flaking associated with window caulking and glazing, and NOA. Soil sampling was performed in accordance with the DTSC-approved PEA Workplan to evaluate these concerns (McCloskey, 2020b).

Conclusions of the previous Phase I ESA, Phase II ESA and PEA investigation are summarized below:

- **Lead-Based Paint** – The PEA sampling identified elevated lead from flaking lead-based paint in two areas (BP-34 and BP-35) on the western side of the Freestyle Academy. The elevated lead concentrations exceed the DTSC-SL and further investigation is recommended. The elevated concentrations therefore pose an unacceptable risk and will require mitigation prior to redevelopment of the Site.
- **PCBs** – The PEA sampling identified elevated PCB results (Arochlor 1254) at seven sampling locations that indicate flaking of PCBs from window caulking or glazing did occur, and further investigation and mitigation is recommended. The Arochlor 1254 concentrations detected exceed the USEPA RSL at locations southwest of the gymnasium (BP-19), north of the 400 Block permanent classroom building (BP-22) and five locations (BP-31 through BP-35) on the Freestyle Academy. The elevated PCB concentrations therefore pose an unacceptable risk and will require mitigation prior to redevelopment of the Site.
- **OCPs -** OCP results indicate minimal residues from prior agricultural use across most of the Site. Only technical chlordane exceeded the regulatory threshold at sampling location BP-34 on the western side of the Freestyle Academy and was co-located with elevated concentrations of lead and PCBs. Further investigation of the elevated pesticide concentration is recommended. The elevated pesticide concentration likely poses an unacceptable risk and will likely require mitigation prior to redevelopment of the Site.

- **Arsenic** –A review of published naturally-occurring background concentrations indicated that the background concentrations for arsenic were present at the Site, and no further investigation is recommended.
- **TPH -** TPH results indicate minimal residues from the use of smudge pots. Low concentrations of diesel and motor-oil range petroleum hydrocarbons were detected across the Site, and no further investigation is recommended.
- **PAHs** – PAH results indicate minimal residues from the use of smudge pots. Low concentrations of several PAHs were detected across the Site, and no further investigation is recommended.
- **Naturally-Occurring Asbestos** – NOA results indicate that concentrations exceed the DTSC school guidance, and to prevent future exposure to Site soils, all soils will be capped with either classroom buildings, hardscape, artificial turf, or capped with clean import fill soils 6 inches to 1 foot in thickness that is approved prior to import to the Site.
- **Four Former USTs –** Based on the information available in the Phase I ESA, potential petroleum hydrocarbon contamination from the four former underground storage tanks removed in 1988 does not pose an unacceptable risk to human health or the environment and no further investigation is recommended.
- **Human Health Risk Evaluation** – Cancer and non-cancer risks were estimated based on the detected concentrations of chemicals at the Site:
    - The cumulative cancer risk for theoretical exposure to detected compounds is estimated at 1.92×10^{-5}, which exceeds the DTSC excess cancer risk recommendation of 1×10^{-6}. The cumulative cancer risk for the on-site soil therefore poses an unacceptable risk to future Site users and mitigation will be required prior to reconstruction at the Site.
    - The cumulative non-carcinogenic health hazard index (HI) was estimated at 0.098, indicating acceptable concentrations of chemicals (i.e., HI<1).

Several man-made contaminants (pesticides, lead and PCBs) were identified in soils across the Site that exceed DTSC Schools Program acceptable risk guidelines. The lateral and vertical extent of the contamination will be evaluated during a supplemental site investigation (SSI). The elevated pesticide, lead, and PCBs concentrations in the soils around the Freestyle Academy, the gymnasium and the 400 Block permanent classroom building will most likely be mitigated by excavation. The soil would then be off-hauled and disposed of at a landfill prior to Site redevelopment. Some of this soil may exceed hazardous waste concentrations. The removal actions would need to be done under an approved Removal Action Workplan (RAW).

The NOA concentrations in the alluvial soils underlying the entire Site exceed the DTSC Schools Program guidelines for NOA. To prevent future exposure to Site soils, all soils will be capped with either classroom buildings, hardscape, artificial turf, or capped with clean import fill soils 6 inches

to 1 foot in thickness that is approved prior to import to the Site. There will have to be rigorous dust control measures to suppress dust emissions during school construction activities. Hardscape or other asbestos-free material will also be added on all exposed NOA soils following Site grading and development to greatly reduce the potential future release of asbestos fibers. The capping and dust control measures would need to be done in accordance with an approved RAW and will include a long-term Operations and Maintenance Plan and Agreement, which would include annual inspections and reporting, could be necessary to protect against future potential releases.

12.0 LIMITATIONS

This report was prepared for the sole use of Mountain View-Los Altos Union High School District and the California DTSC in evaluating soil quality at the time of this study. We make no warranty, expressed or implied, except that our services have been performed in accordance with environmental principles generally accepted at this time and location. The chemical and other data presented in this report can change over time and are applicable only to the time this study was performed. We are not responsible for data presented by others. The accuracy and reliability of contaminant studies reflect the number and type of samples taken and extent of the analyses conducted and are thus inherently limited and can be dependent upon the resources expended. Chemical analyses were performed for specific parameters during this investigation. Our sampling and analytical plan was designed using accepted environmental principles and our judgment for the performance of a soil quality evaluation and based on the degree of investigation approved by the California DTSC. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information.

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TABLES

Table 1. Summary Results for Mountain View High School PEA - Pesticides and Metals Sampling

(Concentrations in milligrams per kilogram [mg/kg])

Approximate Location	Sample ID	Approximate Sampling Depth	Date Sampled	Arsenic	Lead	Aldrin	alpha-BHC	beta-BHC	delta-BHC	gamma-BHC (Lindane)	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor Epoxide	Hexachloro benzene	Methoxychlor	Chlordane (Technical)	Toxaphene
Block 100 Building Perimeter	BP-1	0-½'bgs	11/17/2020	**4.1**	**12.1**	<0.00416	<0.00408	<0.0042	<0.00383	<0.00381	<0.0222	**0.0063 J <0.00411 / <0.0224**	<0.0222	<0.00381	<0.00402	<0.00371	<0.00403	<0.00388	<0.00375	<0.00787	<0.00474	<0.00375	<0.00383	<0.00536	<0.114	<0.137
	BP-1	2-2½'bgs	11/17/2020	--	--	<0.00441	<0.00431	<0.00444	<0.00405	<0.00403	**0.00666 J <0.00411 / <0.0224**	**0.0527**	<0.0234	<0.00403	<0.00425	<0.00393	<0.00427	<0.0041	<0.00397	<0.00833	<0.00502	<0.00397	<0.00405	<0.00567	<0.121	<0.145
	BP-2	0-½'bgs	11/17/2020	**5.95**	**13.3**	<0.0042	<0.00411	<0.00423	<0.00386	<0.00384	<0.0223	<0.0223	<0.0223	<0.00384	<0.00405	<0.00374	<0.00406	<0.00391	<0.00378	<0.00793	<0.00478	<0.00378	<0.00386	<0.0054	<0.115	<0.138
	BP-2	2-2½'bgs	11/17/2020	--	--	<0.00433	<0.00423	<0.00436	<0.00398	<0.00396	**0.0214 J <0.00411 / <0.0224**	**0.236**	**0.08**	<0.00396	<0.00418	<0.00386	<0.00419	<0.00403	<0.0039	<0.00818	<0.00493	<0.0039	<0.00398	<0.00557	<0.119	<0.143
	BP-3	0-½'bgs	11/17/2020	**4.98**	**20.1**	<0.00504	<0.00493	<0.00508	<0.00464	<0.00461	<0.0268	**0.0508**	<0.0268	<0.00461	<0.00486	<0.00449	<0.00488	<0.00469	<0.00454	<0.00953	<0.00573	<0.00454	<0.00464	<0.00648	<0.138	<0.166
	BP-3	2-2½'bgs	11/17/2020	--	--	<0.00429	<0.0042	<0.00433	<0.00395	<0.00393	**0.0294**	**0.0632**	<0.0228	<0.00393	<0.00414	<0.00382	<0.00415	<0.00399	<0.00387	<0.00811	<0.00488	<0.00387	<0.00395	<0.00552	<0.118	<0.142
	BP-4	0-½'bgs	11/17/2020	**5.62**	**18.1**	<0.00512	<0.00501	<0.00516	<0.00471	<0.00468	<0.0272	**0.0226 J <0.00411 / <0.0224**	<0.0272	<0.00468	<0.00494	<0.00456	<0.00496	<0.00477	<0.00462	<0.00968	<0.00583	<0.00462	<0.00471	<0.00659	<0.14	<0.169
	BP-4	2-2½'bgs	11/17/2020	--	--	<0.00444	<0.00435	<0.00448	<0.00409	<0.00406	<0.0236	**0.0108 J <0.00411 / <0.0224**	<0.0236	<0.00406	<0.00429	<0.00396	<0.0043	<0.00413	<0.004	<0.0084	<0.00506	<0.004	<0.00409	<0.00572	<0.122	<0.146
	B-100SW	1-1½'bgs	11/24/2020	--	--	<0.0046	<0.0045	<0.00464	0.00423	<0.00421	<0.00453	**0.0207 J <0.00411 / <0.0224**	<0.0245	<0.00421	<0.00444	<0.0041	<0.00445	<0.00428	<0.00415	<0.0087	<0.00523	<0.00415	<0.00423	<0.00592	<0.126	<0.152
	B-100SE	1-1½'bgs	11/24/2020	--	--	<0.00445	<0.00436	<0.00449	0.0041	<0.00408	**0.00751 J <0.00411 / <0.0224**	**0.0181 J <0.00411 / <0.0224**	<0.0237	<0.00408	<0.0043	<0.00397	<0.00431	<0.00415	<0.00402	<0.00842	<0.00507	<0.00402	<0.0041	<0.00573	<0.122	<0.147
	B-100NW	1-1½'bgs	11/24/2020	--	--	<0.0041	<0.00401	<0.00413	0.00377	<0.00375	<0.00403	<0.0218	<0.0218	<0.00375	<0.00396	<0.00365	<0.00397	<0.00381	<0.00369	<0.00775	<0.00466	<0.00369	<0.00377	<0.00527	<0.112	<0.135
	B-100NE	1-1½'bgs	11/24/2020	--	--	<0.00415	<0.00406	<0.00418	0.00381	<0.00379	<0.00408	<0.0221	<0.0221	<0.00379	<0.004	<0.00369	<0.00401	<0.00386	<0.00374	<0.00784	<0.00472	<0.00374	<0.00381	<0.00534	<0.114	<0.137
Block 200 Building Perimeter	BP-5	0-½'bgs	11/17/2020	**3.9**	**13.9**	<0.00492	<0.00482	<0.00496	<0.00453	<0.0045	<0.0262	**0.016 J <0.00411 / <0.0224**	<0.0262	<0.0045	<0.00475	<0.00438	<0.00476	<0.00458	<0.00444	<0.00931	<0.0056	<0.00444	<0.00453	<0.00633	<0.135	<0.162
	BP-5	2-2½'bgs	11/17/2020	--	--	<0.00451	<0.00442	<0.00455	<0.00415	<0.00413	<0.0240	<0.0240	<0.0240	<0.00413	<0.00436	<0.00402	<0.00437	<0.0042	<0.00407	<0.00853	<0.00514	<0.00407	<0.00415	<0.00581	<0.124	<0.149
	BP-6	0-½'bgs	11/17/2020	**4.3**	**21.6**	<0.00471	<0.00461	<0.00474	<0.00433	<0.0043	<0.0250	**0.0616**	<0.0250	<0.0043	<0.00454	<0.00419	<0.00456	<0.00438	<0.00424	<0.0089	<0.00536	<0.00424	<0.00433	<0.00606	<0.129	<0.155
	BP-6	2-2½'bgs	11/17/2020	--	--	<0.00427	<0.00418	<0.0043	<0.00393	<0.0039	<0.0227	**0.0758**	**0.0214 J <0.00411 / <0.0224**	<0.0039	<0.00412	<0.0038	<0.00413	<0.00397	<0.00385	<0.00807	<0.00486	<0.00385	<0.00393	<0.00549	<0.117	<0.141
	BP-7	0-½'bgs	11/17/2020	**3.75**	**18.3**	<0.00477	<0.00467	<0.00481	<0.00439	<0.00436	<0.0254	**0.0634**	<0.0254	<0.00436	<0.0046	<0.00425	<0.00462	<0.00444	<0.0043	<0.00901	<0.00543	<0.0043	<0.00439	<0.00614	<0.131	<0.157
	BP-7	2-2½'bgs	11/17/2020	--	--	<0.00433	<0.00424	<0.00437	<0.00399	<0.00396	**0.00749 J <0.00411 / <0.0224**	**0.19**	**0.0385**	<0.00396	<0.00418	<0.00386	<0.00419	<0.00403	<0.00391	<0.00819	<0.00493	<0.00391	<0.00399	<0.00558	<0.119	<0.143
	BP-8	0-½'bgs	11/17/2020	**5.37**	**40.9**	<0.00391	<0.00383	<0.00394	<0.0036	<0.00358	**0.00794 J <0.00411 / <0.0224**	**0.0773**	**0.0377**	<0.00358	<0.00377	<0.00348	<0.00378	<0.00364	<0.00352	<0.00739	<0.00445	<0.00352	<0.0036	<0.00503	<0.107	<0.129
	BP-8	2-2½'bgs	11/17/2020	--	--	<0.00413	<0.00404	<0.00417	<0.0038	<0.00378	**0.00424 J <0.00411 / <0.0224**	**0.0562**	**0.00873 J <0.00411 / <0.0224**	<0.00378	<0.00399	<0.00368	<0.004	<0.00385	<0.00373	<0.00781	<0.0047	<0.00373	<0.0038	<0.00532	<0.113	<0.136
	BP-9	0-½'bgs	11/17/2020	**3.87**	**21**	<0.00393	<0.00385	<0.00397	<0.00362	<0.0036	**0.00789 J <0.00411 / <0.0224**	**0.0521**	**0.0377**	<0.0036	<0.0038	<0.00351	<0.00381	<0.00366	<0.00355	<0.00744	<0.00448	<0.00355	<0.00362	<0.00507	<0.108	<0.13
	BP-9	2-2½'bgs	11/17/2020	--	--	<0.00411	<0.00403	<0.00415	<0.00379	<0.00376	<0.0219	<0.0219	<0.0219	<0.00376	<0.00397	<0.00367	<0.00398	<0.00383	<0.00371	<0.00778	<0.00468	<0.00371	<0.00379	<0.0053	<0.113	<0.136
Regulatory Screening Level				**0.11***	**80**	**0.039**	**0.086**	**0.30**	**0.14****	**0.57**	**1.9**	**2.0**	**1.9**	**0.034**	**450*****	**450*****	**380**	**19**	**NE**	**NE**	**0.13**	**0.07**	**0.19**	**320**	**1.7**	**0.45**
HERO HHRA Note 3 DTSC SL or USEPA RSLs				**DTSC-SL**	**DTSC-SL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**DTSC-SL**	**DTSC-SL**	**RSL**	**RSL**	**NE**	**NE**	**RSL**	**RSL**	**DTSC-SL**	**RSL**	**RSL**	**DTSC-SL**
Approximate Method Detection Limit (MDL)				**0.11**	**0.11**	**0.00425**	**0.00416**	**0.00428**	**0.00391**	**0.00389**	**0.00418**	**0.00420**	**0.00730**	**0.00389**	**0.00410**	**0.00379**	**0.00411**	**0.00396**	**0.00383**	**0.00083**	**0.00484**	**0.00383**	**0.00391**	**0.00547**	**0.116**	**0.140**
Approximate Reported Detection Limit (RDL)				**1.13**	**2.26**	**0.02260**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.0230**	**0.0233**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.0232**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.340**	**0.453**

<D.L.	Indicates that the compound was not detected at or above stated laboratory method detection limits.
NE	Not established.
(Duplicate)	Duplicate Sample
BHC	Compounds listed under Hexachlorocyclohexanes in USEPA RSLs or HCHs in DTSC-SLs
<0.00221/<0.022	<Method Detection Limit / <Reporting Detection Limit
J	The identification of the analyte is acceptable; the reported value is an estimate.
HERO HHRA Note 3	DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3, DTSC-Modified Screening Levels, June 2020.
USEPA RSL	United States Environmental Protection Agency Regional Screening Levels for Residenial Uses (November 2020)
Approximate MDL	Average of all the samples method detection limits
Approximate RDL	Average of all the samples reported detection limits
--	Not Analyzed
BOLD	Indicates exceedance of regulatory threshold
*	Cal/EPA does not require cleanup of soil to less than background concentrations. Published naturally-occurring arsenic concentrations for the San Francisco Bay Area (Duvergé, 2011) range up to 11 mg/kg.
**	delta BHC listed under HCH- mix-isomers for DTSC-SL
***	RSL/ DTSC SL for Endosulfan

compared to published naturally-occurring concentrations for the San Francisco Bay Area (Duvergé, 2011) of 11 r

Table 1. Summary Results for Mountain View High School PEA - Pesticides and Metals Sampling

(Concentrations in milligrams per kilogram [mg/kg])

Approximate Location	Sample ID	Approximate Sampling Depth	Date Sampled	Arsenic	Lead	Aldrin	alpha-BHC	beta-BHC	delta-BHC	gamma-BHC (Lindane)	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor Epoxide	Hexachloro benzene	Methoxychlor	Chlordane (Technical)	Toxaphene
Block 300 Building Perimeter	BP-10	0-½'bgs	11/17/2020	**3.88**	**21.6**	<0.00398	<0.0039	<0.00401	<0.00366	<0.00364	**0.018 J <0.00411 / <0.0224**	**0.143**	**0.0913**	<0.00364	<0.00384	<0.00355	<0.00385	<0.0037	<0.00359	<0.00753	<0.00453	<0.00359	<0.00366	<0.00512	<0.109	<0.131
	BP-10	2-2½'bgs	11/17/2020	--	--	<0.00404	<0.00395	<0.00407	<0.00372	<0.00369	**0.00544 J <0.00411 / <0.0224**	**0.11**	**0.0247**	<0.00369	<0.0039	<0.0036	<0.00391	<0.00376	<0.00364	<0.00763	<0.0046	<0.00364	<0.00372	<0.0052	<0.111	<0.133
	BP-11	0-½'bgs	11/17/2020	**4.24**	**23.1**	<0.00409	<0.004	<0.00412	<0.00376	<0.00374	**0.00709 J <0.00411 / <0.0224**	**0.0824**	**0.0264**	<0.00374	<0.00395	<0.00364	<0.00396	<0.00381	<0.00369	<0.00773	<0.00465	<0.00369	<0.00376	<0.00526	<0.112	<0.135
	BP-11	2-2½'bgs	11/17/2020	--	--	<0.00417	<0.00408	<0.0042	<0.00384	<0.00382	**0.0192 J <0.00411 / <0.0224**	**0.294**	**0.125**	<0.00382	<0.00403	<0.00372	<0.00404	<0.00388	<0.00376	<0.00789	<0.00475	<0.00376	<0.00384	<0.00537	<0.114	<0.138
	BP-12	0-½'bgs	11/17/2020	**3.21**	**12.4**	<0.00401	<0.00393	<0.00405	<0.00369	<0.00367	**0.0052 J <0.00411 / <0.0224**	**0.0539**	**0.0187 J <0.00411 / <0.0224**	<0.00367	<0.00387	<0.00358	<0.00389	<0.00374	<0.00362	<0.00759	<0.00457	<0.00362	<0.00369	<0.00517	<0.11	<0.132
	BP-12	2-2½'bgs	11/17/2020	--	--	<0.00411	<0.00403	<0.00415	<0.00378	<0.00376	**0.00406 J <0.00411 / <0.0224**	**0.189**	**0.0308**	<0.00376	<0.00397	<0.00366	<0.00398	<0.00383	<0.00371	<0.00778	<0.00468	<0.00371	<0.00378	<0.00529	<0.113	<0.136
	BP-13	0-½'bgs	11/17/2020	**3.61**	**15.5**	<0.00394	<0.00386	<0.00397	<0.00363	<0.0036	**0.00708 J <0.00411 / <0.0224**	**0.0641**	**0.0194**	<0.0036	<0.0038	<0.00351	<0.00381	<0.00367	<0.00355	<0.00745	<0.00448	<0.00355	<0.00363	<0.00507	<0.108	<0.13
	BP-13	2-2½'bgs	11/17/2020	--	--	<0.00406	<0.00397	<0.00409	<0.00373	<0.00371	**0.00973 J <0.00411 / <0.0224**	**0.385**	**0.155**	<0.00371	<0.00392	<0.00361	<0.00393	<0.00378	<0.00366	<0.00767	<0.00462	<0.00366	<0.00373	<0.00522	<0.111	<0.134
	BP-14	0-½'bgs	11/17/2020	**4.28**	**15.2**	<0.00398	<0.0039	<0.00401	<0.00366	<0.00364	**0.0133 J <0.00411 / <0.0224**	**0.0859**	**0.0439**	<0.00364	<0.00384	<0.00355	<0.00385	<0.0037	<0.00359	<0.00753	<0.00453	<0.00359	<0.00366	<0.00512	<0.109	<0.131
	BP-14	2-2½'bgs	11/18/2020	--	--	<0.00405	<0.00397	<0.00409	<0.00373	<0.00371	**0.0165 J <0.00411 / <0.0224**	**0.777**	**0.215**	<0.00371	<0.00391	<0.00361	<0.00392	<0.00377	<0.00365	<0.00766	<0.00461	<0.00365	<0.00373	<0.00522	<0.111	<0.134
	BP-15	0-½'bgs	11/17/2020	**4.8**	**19.9**	<0.00416	<0.00407	<0.00419	<0.00383	<0.0038	**0.0134 J <0.00411 / <0.0224**	**0.113**	**0.0493**	<0.0038	<0.00401	<0.0037	<0.00402	<0.00387	<0.00375	<0.00786	<0.00473	<0.00375	<0.00383	<0.00535	<0.114	<0.137
	BP-15	2-2½'bgs	11/18/2020	--	--	<0.00418	<0.00409	<0.00421	<0.00385	<0.00383	<0.0222	**0.0941**	**0.0115**	<0.00383	<0.00404	<0.00373	<0.00405	<0.00389	<0.00377	<0.00791	<0.00476	<0.00377	<0.00385	<0.00538	<0.115	<0.138
Gymnasium Building Perimeter	BP-16A	0-½'bgs	11/18/2020	**3.56**	**12.4**	<0.00398	<0.0039	<0.00401	<0.00366	<0.00364	**0.0145 J <0.00411 / <0.0224**	**0.116**	**0.0323**	<0.00364	<0.00384	<0.00355	<0.00385	<0.00371	<0.00359	<0.00753	<0.00453	<0.00359	<0.00366	<0.00512	<0.109	<0.131
	BP-16B (Duplicate)	0-½'bgs	11/18/2020	**2.56**	**8.79**	<0.00398	<0.0039	<0.00401	<0.00366	<0.00364	**0.00727 <0.00411 / <0.0224**	**0.102**	**0.0425**	<0.00364	<0.00384	<0.00355	<0.00386	<0.00371	<0.00359	<0.00753	<0.00453	<0.00359	<0.00366	<0.00513	<0.109	<0.131
	BP-16	2-2½'bgs	11/18/2020	--	--	<0.00387	<0.00379	<0.0039	<0.00356	<0.00354	<0.0206	**0.00519 J <0.00411 / <0.0224**	<0.0206	<0.00354	<0.00373	<0.00345	<0.00375	<0.0036	<0.00349	<0.00732	<0.0044	<0.00349	<0.00356	<0.00498	<0.106	<0.128
	BP-17	0-½'bgs	11/18/2020	**4.56**	**12.5**	<0.004	<0.00392	<0.00404	<0.00368	<0.00366	**0.015 J <0.00411 / <0.0224**	**0.115**	**0.0373**	<0.00366	<0.00387	<0.00357	<0.00388	<0.00373	<0.00361	<0.00757	<0.00456	<0.00361	<0.00368	<0.00515	<0.11	<0.132
	BP-18	0-½'bgs	11/18/2020	**5.23**	**16.8**	<0.00432	<0.00423	<0.00435	<0.00397	<0.00395	**0.00527 J <0.00411 / <0.0224**	**0.0437**	**0.0183**	<0.00395	<0.00417	<0.00385	<0.00418	<0.00402	<0.00389	<0.00817	<0.00492	<0.00389	<0.00397	<0.00556	<0.118	<0.142
	BP-18	2-2½'bgs	11/18/2020	--	--	<0.00417	<0.00409	<0.00421	<0.00384	<0.00382	<0.0222	**0.0319**	**0.011**	<0.00382	<0.00403	<0.00372	<0.00404	<0.00389	<0.00376	<0.00789	<0.00475	<0.00376	<0.00384	<0.00537	<0.114	<0.138
	BP-19	0-½'bgs	11/18/2020	**4.37**	**30.3**	<0.00409	<0.00401	<0.00413	<0.00377	<0.00375	**0.0384**	**0.265**	**0.156**	<0.00375	<0.00395	<0.00365	<0.00396	<0.00381	<0.00369	<0.00774	<0.00466	<0.00369	<0.00377	<0.00527	<0.112	<0.135
	BP-19	2-2½'bgs	11/18/2020	--	--	<0.00412	<0.00403	<0.00416	<0.00379	<0.00377	<0.0219	**0.0377**	**0.0125**	<0.00377	<0.00398	<0.00367	<0.00399	<0.00384	<0.00372	<0.0078	<0.00469	<0.00372	<0.00379	<0.00531	<0.113	<0.136
	BP-20	0-½'bgs	11/18/2020	**6.32**	**20.1**	<0.004	<0.00391	<0.00403	<0.00368	<0.00366	**0.0144 <0.00411 / <0.0224**	**0.161**	**0.0303**	<0.00366	<0.00386	<0.00356	<0.00387	<0.00372	<0.0036	<0.00756	<0.00455	<0.0036	<0.00368	<0.00515	<0.11	<0.132
	BP-21	0-½'bgs	11/18/2020	**5.89**	**23.8**	<0.00499	<0.00488	<0.00503	<0.00459	<0.00457	<0.0265	**0.0433**	**0.0129**	<0.00457	<0.00482	<0.00445	<0.00483	<0.00465	<0.0045	<0.00944	<0.00568	<0.0045	<0.00459	<0.00642	<0.137	<0.165
Regulatory Screening Level				**0.11***	**80**	**0.039**	**0.086**	**0.30**	**0.14****	**0.57**	**1.9**	**2.0**	**1.9**	**0.034**	**450*****	**450*****	**380**	**19**	**NE**	**NE**	**0.13**	**0.07**	**0.19**	**320**	**1.7**	**0.45**
HERO HHRA Note 3 DTSC SL or USEPA RSLs				**DTSC-SL**	**DTSC-SL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**DTSC-SL**	**DTSC-SL**	**RSL**	**RSL**	**NE**	**NE**	**RSL**	**RSL**	**DTSC-SL**	**RSL**	**RSL**	**DTSC-SL**
Approximate Method Detection Limit (MDL)				**0.11**	**0.11**	**0.00425**	**0.00416**	**0.00428**	**0.00391**	**0.00389**	**0.00418**	**0.00420**	**0.00730**	**0.00389**	**0.00410**	**0.00379**	**0.00411**	**0.00396**	**0.00383**	**0.00083**	**0.00484**	**0.00383**	**0.00391**	**0.00547**	**0.116**	**0.140**
Approximate Reported Detection Limit (RDL)				**1.13**	**2.260**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.0230**	**0.0233**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.0232**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.340**	**0.453**

<D.L.	Indicates that the compound was not detected at or above stated laboratory method detection limits.	HERO HHRA Note 3	DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3, DTSC-Modified Screening Levels, June 2020.	*	Cal/EPA does not require cleanup of soil to less than background concentrations. Published naturally-occurring arsenic concentrations for the San Francisco Bay Area (Duvergé, 2011) range up to 11 mg/kg.
NE	Not established.	USEPA RSL	United States Environmental Protection Agency Regional Screening Levels for Residential Uses (November 2020)	**	delta BHC listed under HCH- mix-isomers for DTSC-SL
(Duplicate)	Duplicate Sample	Approximate MDL	Average of all the samples method detection limits	***	RSL/ DTSC SL for Endosulfan
BHC	Compounds listed under Hexachlorocyclohexanes in USEPA RSLs or HCHs in DTSC-SLs	Approximate RDL	Average of all the samples reported detection limits		
<0.00221/<0.022	<Method Detection Limit / <Reporting Detection Limit	--	Not Analyzed		
J	The identification of the analyte is acceptable; the reported value is an estimate.	**BOLD**	Indicates exceedance of regulatory threshold		

Table 1. Summary Results for Mountain View High School PEA - Pesticides and Metals Sampling

(Concentrations in milligrams per kilogram [mg/kg])

Approximate Location	Sample ID	Approximate Sampling Depth	Date Sampled	Arsenic	Lead	Aldrin	alpha-BHC	beta-BHC	delta-BHC	gamma-BHC (Lindane)	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor Epoxide	Hexachloro benzene	Methoxychlor	Chlordane (Technical)	Toxaphene
Block 400 Building Perimeter	BP-22	0-½'bgs	11/18/2020	**5.00**	**26.2**	<0.00419	<0.0041	<0.00422	<0.00385	<0.00383	**0.00467 <0.00411 / <0.0224**	**0.101**	**0.0722**	<0.00383	<0.00404	<0.00373	<0.00405	<0.0039	<0.00378	<0.00792	<0.00477	<0.00378	<0.00385	<0.00539	<0.115	<0.138
	BP-23	0-½'bgs	11/18/2020	**3.5**	**29.8**	<0.00376	<0.00368	<0.00379	<0.00346	<0.00344	**0.00422 <0.00411 / <0.0224**	**0.0596**	**0.0407**	<0.00344	<0.00363	<0.00335	<0.00364	<0.0035	<0.00339	<0.00711	<0.00428	<0.00339	<0.00346	<0.00484	<0.103	<0.124
	BP-24	0-½'bgs	11/18/2020	**2.43**	**16.7**	<0.00401	<0.00393	<0.00404	<0.00369	<0.00367	**0.00545 <0.00411 / <0.0224**	**0.101**	**0.0649**	<0.00367	<0.00387	<0.00357	<0.00388	<0.00373	<0.00362	<0.00759	<0.00457	<0.00362	<0.00369	<0.00516	<0.11	<0.132
	BP-25	0-½'bgs	11/18/2020	**3.62**	**19.3**	<0.00403	<0.00395	<0.00406	<0.00371	<0.00369	<0.0214	**0.105**	**0.0406**	<0.00369	<0.00389	<0.00359	<0.0039	<0.00375	<0.00363	<0.00762	<0.00459	<0.00363	<0.00371	<0.00519	<0.11	<0.133
	BP-25	2-2½'bgs	11/18/2020	--	--	<0.00481	<0.0047	<0.00484	<0.00442	<0.0044	<0.0256	**0.0322**	<0.0256	<0.0044	<0.00464	<0.00428	<0.00465	<0.00447	<0.00433	<0.00909	<0.00547	<0.00433	<0.00442	<0.00619	<0.132	<0.158
	BP-26	0-½'bgs	11/18/2020	**3.12**	**26.8**	<0.00398	<0.0039	<0.00401	<0.00366	<0.00364	**0.00688 <0.00411 / <0.0224**	**0.0951**	**0.0752**	<0.00364	<0.00384	<0.00355	<0.00385	<0.00371	<0.00359	<0.00753	<0.00453	<0.00359	<0.00366	<0.00512	<0.109	<0.131
	BP-26	2-2½'bgs	11/18/2020	--	--	<0.00478	<0.00468	<0.00482	<0.0044	<0.00437	<0.0254	<0.0254	<0.0254	<0.00437	<0.00461	<0.00426	<0.00463	<0.00445	<0.00431	<0.00904	<0.00544	<0.00431	<0.0044	<0.00615	<0.131	<0.158
	BP-27A	0-½'bgs	11/18/2020	**3.57**	**22.4**	<0.00407	<0.00399	<0.0041	<0.00375	<0.00373	**0.00602 J <0.00411 / <0.0224**	**0.0968**	**0.0644**	<0.00373	<0.00393	<0.00363	<0.00394	<0.00379	<0.00367	<0.0077	<0.00464	<0.00367	<0.00375	<0.00524	<0.112	<0.134
	BP-27C	2-2½'bgs	11/18/2020	--	--	<0.0043	<0.00421	<0.00433	<0.00395	<0.00393	<0.0229	<0.0229	<0.0229	<0.00393	<0.00415	<0.00383	<0.00416	<0.004	<0.00387	<0.00813	<0.00489	<0.00387	<0.00395	<0.00553	<0.118	<0.142
	BP-27B (Duplicate)	0-½'bgs	11/18/2020	**3.26**	**18.8**	<0.004	<0.00392	<0.00403	<0.00368	<0.00366	**0.00627 J <0.00411 / <0.0224**	**0.0988**	**0.0618**	<0.00366	<0.00386	<0.00356	<0.00387	<0.00372	<0.00361	<0.00756	<0.00455	<0.00361	<0.00368	<0.00515	<0.11	<0.132
	BP-27D (Duplicate)	2-2½'bgs	11/18/2020	--	--	<0.00417	<0.00408	<0.0042	<0.00384	<0.00381	<0.0222	<0.0222	<0.0222	<0.00381	<0.00402	<0.00371	<0.00404	<0.00388	<0.00376	<0.00788	<0.00474	<0.00376	<0.00384	<0.00537	<0.114	<0.137
Cafeteria Building Perimeter	BP-28	0-½'bgs	11/18/2020	**4.12**	**23.8**	<0.00486	<0.00476	<0.0049	<0.00447	<0.00445	<0.0259	**0.0141 J <0.00411 / <0.0224**	<0.0259	<0.00445	<0.00469	<0.00433	<0.0047	<0.00452	<0.00438	<0.00919	<0.00553	<0.00438	<0.00447	<0.00626	<0.133	<0.16
	BP-28	2-2½'bgs	11/18/2020	--	--	<0.00435	<0.00426	<0.00439	<0.00401	<0.00398	<0.0232	**0.0351**	**0.0112**	<0.00398	<0.0042	<0.00388	<0.00422	<0.00405	<0.00393	<0.00823	<0.00496	<0.00393	<0.00401	<0.0056	<0.119	<0.144
	BP-29	0-½'bgs	11/24/2020	**0.331**	**0.48**	<0.00398	<0.0039	<0.00401	<0.00366	<0.00364	<0.00392	<0.0212	<0.0212	<0.00364	<0.00384	<0.00355	<0.00385	<0.00371	<0.00359	<0.00753	<0.00453	<0.00359	<0.00366	<0.00513	<0.109	<0.131
	BP-29	2-2½'bgs	11/24/2020	--	--	<0.00421	<0.00412	<0.00424	<0.00387	<0.00385	<0.00414	**0.0197 J <0.00411 / <0.0224**	<0.0224	<0.00385	<0.00406	<0.00375	<0.00407	<0.00391	<0.00379	<0.00795	<0.00479	<0.00379	<0.00387	<0.00541	<0.115	<0.139
	BP-30A	0-½'bgs	11/18/2020	**4.47**	**20.4**	<0.00393	<0.00385	<0.00396	<0.00362	<0.0036	**0.00799 J <0.00411 / <0.0224**	**0.0867**	**0.0416**	<0.0036	<0.00379	<0.0035	<0.00381	<0.00366	<0.00354	<0.00743	<0.00447	<0.00354	<0.00362	<0.00506	**0.292 J <0.108 / <0.314**	<0.13
	BP-30B (Duplicate)	0-½'bgs	11/18/2020	**4.48**	**17.2**	<0.00419	<0.0041	<0.00422	<0.00386	<0.00383	**0.00627 J <0.00411 / <0.0224**	**0.0577**	**0.0224**	<0.00383	<0.00404	<0.00373	<0.00406	<0.0039	<0.00378	<0.00792	<0.00477	<0.00378	<0.00386	<0.00539	**0.243 J <0.115 / <0.334**	<0.138
	BP-30	2-2½'bgs	11/18/2020	--	--	<0.00436	<0.00426	<0.00439	<0.00401	<0.00398	<0.0232	<0.0232	<0.0232	<0.00398	<0.0042	<0.00388	<0.00422	<0.00405	<0.00393	<0.00824	<0.00496	<0.00393	<0.00401	<0.00561	<0.119	<0.144
Freestyle Academy Portables Perimeter & Landscaping	BP-31	0-½'bgs	11/24/2020	**1.59**	**1.73**	<0.00388	<0.0038	<0.00392	0.00357	<0.00355	<0.00382	**<0.0207**	<0.0207	<0.00355	<0.00375	<0.00346	<0.00376	<0.00362	<0.0035	<0.00735	<0.00442	<0.0035	<0.00357	<0.005	<0.106	<0.128
	BP-31	2-2½'bgs	11/24/2020	--	--	<0.00385	<0.00377	<0.00388	0.00355	<0.00353	<0.00379	**<0.0205**	<0.0205	<0.00353	<0.00372	<0.00343	<0.00373	<0.00359	<0.00347	<0.00729	<0.00439	<0.00347	<0.00355	<0.00496	<0.106	<0.127
	BP-32A	0-½'bgs	11/18/2020	**4.38**	**13**	<0.00423	<0.00414	<0.00426	<0.00389	<0.00387	<0.0225	**0.0262**	**0.0354**	<0.00387	<0.00408	<0.00377	<0.00409	<0.00393	<0.00381	<0.00799	<0.00481	<0.00381	<0.00389	<0.00544	<0.116	<0.139
	BP-32B (Duplicate)	0-½'bgs	11/18/2020	**4.54**	**12.2**	<0.00459	<0.00449	<0.00463	<0.00423	<0.0042	<0.0244	**0.0112 J <0.00411 / <0.0224**	**0.0162**	<0.0042	<0.00443	<0.00409	<0.00444	<0.00427	<0.00414	<0.00868	<0.00523	<0.00414	<0.00423	<0.00591	<0.126	<0.151
	BP-32	2-2½'bgs	11/18/2020	--	--	<0.00453	<0.00444	<0.00457	<0.00417	<0.00415	<0.0241	<0.0241	<0.0241	<0.00415	<0.00437	<0.00404	<0.00439	<0.00422	<0.00409	<0.00857	<0.00516	<0.00409	<0.00417	<0.00583	<0.124	<0.149
	BP-33	0-½'bgs	11/18/2020	**4.5**	**15.1**	<0.00395	<0.00387	<0.00399	<0.00364	<0.00362	<0.0210	**0.0189 J <0.00411 / <0.0224**	**0.0412**	<0.00362	<0.00382	<0.00352	<0.00383	<0.00368	<0.00356	<0.00748	<0.0045	<0.00356	<0.00364	<0.00509	<0.108	<0.13
	BP-33	2-2½'bgs	11/18/2020	--	--	<0.00403	<0.00394	<0.00406	<0.00371	<0.00368	<0.0214	<0.0214	<0.0214	<0.00368	<0.00389	<0.00359	<0.0039	<0.00375	<0.00363	<0.00762	<0.00458	<0.00363	<0.00371	<0.00518	<0.11	<0.133
	BP-34	0-½'bgs	11/18/2020	**2.98**	**123**	<0.0044	<0.00431	<0.00443	<0.00405	<0.00402	**0.0414**	**0.0447**	**0.659**	<0.00402	<0.00425	<0.00392	<0.00426	<0.00409	<0.00397	<0.00832	<0.00501	<0.00397	<0.00405	<0.00566	**2.07**	<0.145
	BP-35	0-½'bgs	11/18/2020	**3.62**	**81.8**	<0.00471	<0.00461	<0.00475	<0.00433	<0.00431	**0.0247 J <0.00411 / <0.0224**	**0.0592**	**0.0642**	<0.00431	<0.00455	<0.00419	<0.00456	<0.00438	<0.00424	<0.0089	<0.00536	<0.00424	<0.00433	<0.00606	<0.129	<0.155
	BP-36	0-½'bgs	11/18/2020	**5.01**	**25.5**	<0.00416	<0.00407	<0.00419	<0.00383	<0.0038	<0.0221	<0.0221	<0.0221	<0.0038	<0.00401	<0.0037	<0.00402	<0.00387	<0.00375	<0.00786	<0.00473	<0.00375	<0.00383	<0.00535	<0.114	<0.137
	BP-37	0-½'bgs	11/18/2020	**3.81**	**39.1**	<0.00395	<0.00386	<0.00398	<0.00363	<0.00361	<0.0210	**0.035**	**0.0144**	<0.00361	<0.00381	<0.00352	<0.00382	<0.00367	<0.00356	<0.00747	<0.00449	<0.00356	<0.00363	<0.00508	<0.108	<0.13
Regulatory Screening Level				**0.11***	**80**	**0.039**	**0.086**	**0.30**	**0.14****	**0.57**	**1.9**	**2.0**	**1.9**	**0.034**	**450*****	**450*****	**380**	**19**	**NE**	**NE**	**0.13**	**0.07**	**0.19**	**320**	**1.7**	**0.45**
HERO HHRA Note 3 DTSC SL or USEPA RSLs				**DTSC-SL**	**DTSC-SL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**DTSC-SL**	**DTSC-SL**	**RSL**	**RSL**	**NE**	**NE**	**RSL**	**RSL**	**DTSC-SL**	**RSL**	**RSL**	**DTSC-SL**
Approximate Method Detection Limit (MDL)				**0.11**	**0.11**	**0.00425**	**0.00416**	**0.00428**	**0.00391**	**0.00389**	**0.00418**	**0.00420**	**0.00730**	**0.00389**	**0.00410**	**0.00379**	**0.00411**	**0.00396**	**0.00383**	**0.00083**	**0.00484**	**0.00383**	**0.00391**	**0.00547**	**0.116**	**0.140**
Approximate Reported Detection Limit (RDL)				**1.13**	**2.260**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.0230**	**0.0233**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.0232**	**0.0226**	**0.0226**	**0.0226**	**0.0226**	**0.340**	**0.453**

<D.L.	Indicates that the compound was not detected at or above stated laboratory method detection limits.	HERO HHRA Note 3	DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3, DTSC-Modified Screening Levels, June 2020.	*	Cal/EPA does not require cleanup of soil to less than background concentrations. Published naturally-occurring arsenic concentrations for the San Francisco Bay Area (Duvergé, 2011) range up to 11 mg/kg.
NE	Not established.	USEPA RSL	United States Environmental Protection Agency Regional Screening Levels for Residential Uses (November 2020)	**	delta BHC listed under HCH- mix-isomers for DTSC-SL
(Duplicate)	Duplicate Sample	Approximate MDL	Average of all the samples method detection limits	***	RSL/ DTSC SL for Endosulfan
BHC	Compounds listed under Hexachlorocyclohexanes in USEPA RSLs or HCHs in DTSC-SLs	Approximate RDL	Average of all the samples reported detection limits		
<0.00221/<0.022	<Method Detection Limit / <Reporting Detection Limit	--	Not Analyzed		
J	The identification of the analyte is acceptable; the reported value is an estimate.	**BOLD**	Indicates exceedance of regulatory threshold		

Table 1. Summary Results for Mountain View High School PEA - Pesticides and Metals Sampling

(Concentrations in milligrams per kilogram [mg/kg])

Approximate Location	Sample ID	Approximate Sampling Depth	Date Sampled	Arsenic	Lead	Aldrin	alpha-BHC	beta-BHC	delta-BHC	gamma-BHC (Lindane)	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor Epoxide	Hexachloro benzene	Methoxychlor	Chlordane (Technical)	Toxaphene
Former Buildings Perimeter-Central Portion of MVHS	SS-1	0-½'bgs	7/30/2018	**7.82**	**45.0**	<0.000281	<0.000232	<0.000365	<0.000182	<0.000295	**0.0115 J <0.000197 / <0.0241**	**0.261**	**0.0535**	<0.000107	<0.000258	<0.000277	<0.000205	<0.000264	<0.000291	<0.000191	<0.000122	<0.000455	<0.000270	<0.000319	<0.0470	<0.0433
	BP-38	0-½'bgs	11/24/2020	--	**25.5**	<0.00415	<0.00406	<0.00418	<0.00382	<0.0038	<0.00409	**0.0704**	**0.0194 J <0.00411 / <0.0224**	<0.0038	<0.00401	<0.0037	<0.00402	<0.00386	<0.00374	<0.00785	<0.00473	<0.00374	<0.00382	<0.00534	<0.114	<0.137
	BP-38	2-2½'bgs	11/24/2020	--	**5.19**	<0.00395	<0.00387	<0.00398	<0.00364	<0.00362	<0.00389	<0.0210	<0.0210	<0.00362	<0.00381	<0.00352	<0.00383	<0.00368	<0.00356	<0.00747	<0.0045	<0.00356	<0.00364	<0.00509	<0.108	<0.13
	BP-39	0-½'bgs	11/24/2020	--	**1.79**	<0.00387	<0.00378	<0.0039	<0.00356	<0.00354	<0.0038	<0.0206	<0.0206	<0.00354	<0.00373	<0.00344	<0.00374	<0.0036	<0.00348	<0.00731	<0.0044	<0.00348	<0.00356	<0.00498	<0.106	<0.127
	BP-39	4-4½'bgs	11/24/2020	--	**7.19**	<0.00418	<0.00409	<0.00421	<0.00385	<0.00382	<0.00411	<0.0222	<0.0222	<0.00382	<0.00403	<0.00372	<0.00405	<0.00389	<0.00377	<0.0079	<0.00476	<0.00377	<0.00385	<0.00538	<0.114	<0.138
	BP-40	0-½'bgs	11/24/2020	--	**12.5**	<0.00406	<0.00398	<0.0041	<0.00374	<0.00372	<0.004	**0.0658**	**0.0135 J <0.00411 / <0.0224**	<0.00372	<0.00392	<0.00362	<0.00393	<0.00378	<0.00366	<0.00768	<0.00462	<0.00366	<0.00374	<0.00523	<0.111	<0.134
	BP-40A	2-2½'bgs	11/24/2020	--	**7.42**	<0.00435	<0.00426	<0.00439	<0.004	<0.00398	<0.00428	**<0.0231**	<0.0231	<0.00398	<0.0042	<0.00388	<0.00421	<0.00405	<0.00392	<0.00823	<0.00495	<0.00392	<0.004	<0.0056	<0.119	<0.144
	BP-40B (Duplicate)	2-2½'bgs	11/24/2020	--	**7.79**	<0.00443	<0.00434	<0.00446	<0.00408	<0.00405	<0.00436	<0.0236	<0.0236	<0.00405	<0.00428	<0.00395	<0.00429	<0.00412	<0.00399	<0.00838	<0.00504	<0.00399	<0.00408	<0.0057	<0.121	<0.146
	BP-41	0-½'bgs	11/24/2020	--	**9.29**	<0.00422	<0.00413	<0.00426	<0.00389	<0.00386	<0.00415	**0.022 J <0.00411 / <0.0224**	<0.0225	<0.00386	<0.00408	<0.00376	<0.00409	<0.00393	<0.00381	<0.00798	<0.00481	<0.00381	<0.00389	<0.00543	<0.116	<0.139
	BP-41	4-4½'bgs	11/24/2020	--	**6.01**	<0.00403	<0.00395	<0.00406	<0.00371	<0.00369	<0.00397	**<0.0214**	<0.0214	<0.00369	<0.00389	<0.00359	<0.0039	<0.00375	<0.00363	<0.00762	<0.00459	<0.00363	<0.00371	<0.00519	<0.11	<0.133
	BP-42	0-½'bgs	11/24/2020	--	**12.8**	<0.00422	<0.00413	<0.00425	<0.00388	<0.00386	<0.00415	**0.222**	<0.0224	<0.00386	<0.00407	<0.00376	<0.00408	<0.00393	<0.0038	<0.00798	<0.0048	<0.0038	<0.00388	<0.00543	<0.116	<0.139
	BP-42	2-2½'bgs	11/24/2020	--	**6.12**	<0.0042	<0.00411	<0.00424	<0.00387	<0.00384	<0.00414	**<0.0224**	<0.0224	<0.00384	<0.00406	<0.00374	<0.00407	<0.00391	<0.00379	<0.00795	<0.00478	<0.00379	<0.00387	<0.00541	<0.115	<0.139
	BP-43	0-½'bgs	11/24/2020	--	**15.4**	<0.00396	<0.00388	<0.00399	<0.00365	<0.00363	**0.00682 J <0.00411 / <0.0224**	**0.15**	**0.106**	<0.00363	<0.00383	<0.00353	<0.00384	<0.00369	<0.00357	<0.00749	<0.00451	<0.00357	<0.00365	<0.0051	<0.109	<0.131
	BP-43	4-4½'bgs	11/24/2020	--	**7.45**	<0.00444	<0.00435	<0.00448	<0.00409	<0.00406	<0.00437	**0.0203 J <0.00411 / <0.0224**	<0.0236	<0.00406	<0.00429	<0.00396	<0.0043	<0.00413	<0.004	<0.0084	<0.00505	<0.004	<0.00409	<0.00571	<0.122	<0.146
	BP-44	0-½'bgs	11/24/2020	--	**15.4**	<0.00411	<0.00402	<0.00414	<0.00378	<0.00376	<0.00404	**0.0652**	**0.0322**	<0.00376	<0.00397	<0.00366	0.00398	<0.00382	<0.0037	<0.00777	<0.00468	<0.0037	<0.00378	<0.00529	<0.113	<0.135
	BP-44	2-2½'bgs	11/24/2020	--	**6.75**	<0.00403	<0.00395	<0.00407	<0.00371	<0.00369	<0.00397	<0.0215	<0.0215	<0.00369	<0.0039	<0.00359	<0.00391	<0.00376	<0.00364	<0.00763	<0.00459	<0.00364	<0.00371	<0.00519	<0.111	<0.133
Historical Agricultural Sampling	SS-2	0-½'bgs	7/30/2018	**3.50**	**11.4**	<0.000281	<0.000233	<0.000366	<0.000182	<0.000296	**0.0110 J <0.000198 / <0.0242**	**0.0377**	**0.00396 J <0.000321 / <0.0242**	<0.000108	<0.000259	<0.000278	<0.000205	<0.000265	<0.000292	<0.000192	<0.000122	<0.000457	<0.000271	<0.000320	<0.0471	<0.0435
	SS-3	0-½'bgs	7/30/2018	**3.94**	**12.9**	<0.000292	<0.000242	<0.000380	<0.000189	<0.000307	<0.000205	<0.000207	<0.000333	<0.000111	<0.000268	<0.000288	<0.000213	<0.000274	<0.000303	<0.000199	<0.000127	<0.000473	<0.000281	<0.000332	<0.0489	<0.0451
	SS-4	0-½'bgs	7/30/2018	**3.05**	**10.7**	<0.000286	<0.000237	<0.000372	<0.000185	<0.000300	**0.000448 J <0.000201 / <0.0245**	**0.00531 J <0.000202 / <0.0245**	**0.000445 J <0.000445 / <0.0245**	<0.000109	<0.000262	<0.000282	<0.000208	<0.000269	<0.000297	<0.000195	<0.000124	<0.000463	<0.000275	<0.000325	<0.0478	<0.0441
	SS-5	0-½'bgs	7/30/2018	**2.94**	**5.01**	<0.000273	<0.000226	<0.000355	<0.000177	<0.000287	<0.000192	**0.000410 J <0.000193 / <0.0234**	<0.000312	<0.000104	<0.000251	<0.000270	<0.000199	<0.000257	<0.000284	<0.000186	<0.000118	<0.000443	<0.000263	<0.000311	<0.0457	<0.0422
	SS-6	0-½'bgs	7/30/2018	**3.75**	**6.04**	<0.000293	<0.000243	<0.000381	<0.000190	<0.000308	<0.000206	<0.000207	<0.000334	<0.000112	<0.000269	<0.000289	<0.000214	<0.000275	<0.000304	<0.000200	<0.000127	<0.000475	<0.000282	<0.000333	<0.0490	<0.0453
	AG-1	0-½'bgs	11/24/2020	**6.08**	--	<0.00654	<0.0064	<0.00659	0.00602	<0.00598	<0.00644	**0.0103 J <0.00411 / <0.0224**	<0.0348	<0.00598	<0.00631	<0.00583	<0.00633	<0.00609	**0.0494**	<0.0124	<0.00744	<0.0059	<0.00602	<0.00842	<0.179	<0.216
	AG-2	0-½'bgs	11/24/2020	**3.82**	--	<0.00454	<0.00444	<0.00457	0.00417	<0.00415	<0.00446	**0.0549**	**0.0395**	<0.00415	<0.00438	<0.00404	<0.00439	<0.00422	<0.00409	<0.00858	<0.00516	<0.00409	<0.00417	<0.00584	<0.124	<0.15
	AG-3A	0-½'bgs	11/24/2020	**8.1**	--	<0.00394	<0.00386	<0.00397	0.00363	<0.00361	<0.00388	**0.038**	<0.0210	<0.00361	<0.00381	<0.00351	<0.00382	<0.00367	<0.00356	<0.00746	<0.00449	<0.00356	<0.00363	<0.00508	<0.108	<0.13
	AG-3B (Duplicate)	0-½'bgs	11/24/2020	**7.0**	--	<0.00393	<0.00384	<0.00396	0.00361	<0.00359	**0.00492 J <0.00411 / <0.0224**	**0.0354**	<0.0209	<0.00359	<0.00379	<0.0035	<0.0038	<0.00366	<0.00354	<0.00743	<0.00447	<0.00354	<0.00361	<0.00506	<0.108	<0.13
	AG-4	0-½'bgs	11/24/2020	**4.19**	--	<0.00395	<0.00386	<0.00398	0.00363	<0.00361	<0.00389	**0.0118 J <0.00411 / <0.0224**	<0.0210	<0.00361	<0.00381	<0.00352	<0.00382	<0.00368	<0.00356	<0.00747	<0.0045	<0.00356	<0.00363	<0.00508	<0.108	<0.13
Regulatory Screening Level				**0.11***	**80**	**0.039**	**0.086**	**0.30**	**0.14****	**0.57**	**1.9**	**2.0**	**1.9**	**0.034**	**450*****	**450*****	**380**	**19**	**NE**	**NE**	**0.13**	**0.07**	**0.19**	**320**	**1.7**	**0.45**
HERO HHRA Note 3 DTSC SL or USEPA RSLs				**DTSC-SL**	**DTSC-SL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**DTSC-SL**	**DTSC-SL**	**RSL**	**RSL**	**NE**	**NE**	**RSL**	**RSL**	**DTSC-SL**	**RSL**	**RSL**	**DTSC-SL**
Approximate Method Detection Limit (MDL)				**0.12**	**0.229**	**0.00423**	**0.00414**	**0.00426**	**0.00389**	**0.00387**	**0.00416**	**0.00411**	**0.00705**	**0.00387**	**0.00408**	**0.00377**	**0.00409**	**0.00393**	**0.00381**	**0.00799**	**0.00481**	**0.00381**	**0.00389**	**0.00544**	**0.116**	**0.139**
Approximate Reported Detection Limit (RDL)				**1.17**	**0.551**	**0.0225**	**0.0225**	**0.0225**	**0.0225**	**0.0225**	**0.0225**	**0.0225**	**0.0225**	**0.0225**	**0.0225**	**0.0225**	**0.0225**	**0.0225**	**0.0225**	**0.0225**	**0.0225**	**0.0225**	**0.0225**	**0.0225**	**0.337**	**0.450**

<D.L.	Indicates that the compound was not detected at or above stated laboratory method detection limits.	HERO HHRA Note 3	DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3, DTSC-Modified Screening Levels, June 2020.	*	Cal/EPA does not require cleanup of soil to less than background concentrations. Published naturally-occurring arsenic concentrations for the San Francisco Bay Area (Duvergé, 2011) range up to 11 mg/kg.
NE	Not established.	USEPA RSL	United States Environmental Protection Agency Regional Screening Levels for Residenial Uses (November 2020)	**	delta BHC listed under HCH- mix-isomers for DTSC-SL
(Duplicate)	Duplicate Sample	Approximate MDL	Average of all the samples method detection limits	***	RSL/ DTSC SL for Endosulfan
BHC	Compounds listed under Hexachlorocyclohexanes in USEPA RSLs or HCHs in DTSC-SLs	Approximate RDL	Average of all the samples reported detection limits		
<0.00221/<0.022	<Method Detection Limit / <Reporting Detection Limit	--	Not Analyzed		
J	The identification of the analyte is acceptable; the reported value is an estimate.	**BOLD**	Indicates exceedance of regulatory threshold		

Table 2. Summary Results for Mountain View High School PEA - PCBs Sampling

(Concentrations in milligrams per kilogram [mg/kg])

Approximate Location	Sample ID	Approximate Sampling Depth	Date Sampled	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260
Block 100 Building Perimeter	BP-1	0-½'bgs	11/17/2020	<0.0131	<0.0131	<0.0131	<0.0131	<0.00817	<0.00817	<0.00817
	BP-2	0-½'bgs	11/17/2020	<0.0132	<0.0132	<0.0132	<0.0132	<0.00823	<0.00823	<0.00823
	BP-3	0-½'bgs	11/17/2020	<0.0158	<0.0158	<0.0158	<0.0158	<0.00989	<0.00989	<0.00989
	BP-4	0-½'bgs	11/17/2020	<0.0161	<0.0161	<0.0161	<0.0161	<0.01	<0.01	<0.01
Block 200 Building Perimeter	BP-5	0-½'bgs	11/17/2020	<0.0154	<0.0154	<0.0154	<0.0154	<0.00966	<0.00966	<0.00966
	BP-6	0-½'bgs	11/17/2020	<0.0148	<0.0148	<0.0148	<0.0148	<0.00924	<0.00924	<0.00924
	BP-7	0-½'bgs	11/17/2020	<0.015	<0.015	<0.015	<0.015	<0.00936	<0.00936	<0.00936
	BP-8	0-½'bgs	11/17/2020	<0.0123	<0.0123	<0.0123	<0.0123	<0.00767	<0.00767	<0.00767
	BP-9	0-½'bgs	11/17/2020	<0.0123	<0.0123	<0.0123	<0.0123	<0.00772	<0.00772	<0.00772
Block 300 Building Perimeter	BP-10	0-½'bgs	11/17/2020	<0.0125	<0.0125	<0.0125	<0.0125	<0.00781	<0.00781	<0.00781
	BP-11	0-½'bgs	11/17/2020	<0.0128	<0.0128	<0.0128	<0.0128	<0.00802	<0.00802	<0.00802
	BP-12	0-½'bgs	11/17/2020	<0.0126	<0.0126	<0.0126	<0.0126	<0.00788	**0.145**	<0.00788
	BP-13	0-½'bgs	11/17/2020	<0.0124	<0.0124	<0.0124	<0.0124	<0.00773	<0.00773	<0.00773
	BP-14	0-½'bgs	11/17/2020	<0.0125	<0.0125	<0.0125	<0.0125	<0.00781	<0.00781	<0.00781
	BP-15	0-½'bgs	11/17/2020	<0.013	<0.013	<0.013	<0.013	<0.00816	<0.00816	<0.00816
Gymnasium Building Perimeter	BP-16A	0-½'bgs	11/18/2020	<0.0125	<0.0125	<0.0125	<0.0125	<0.00781	<0.00781	<0.00781
	BP-16B (Duplicate)	0-½'bgs	11/18/2020	<0.0125	<0.0125	<0.0125	<0.0125	<0.00782	<0.00782	<0.00782
	BP-17	0-½'bgs	11/18/2020	<0.0126	<0.0126	<0.0126	<0.0126	<0.00786	<0.00786	<0.00786
	BP-18	0-½'bgs	11/18/2020	<0.0136	<0.0136	<0.0136	<0.0136	<0.00848	<0.00848	<0.00848
	BP-19	0-½'bgs	11/18/2020	<0.0129	<0.0129	<0.0129	<0.0129	<0.00804	**0.652**	<0.00804
	BP-20	0-½'bgs	11/18/2020	<0.0125	<0.0125	<0.0125	<0.0125	<0.00785	<0.00785	<0.00785
	BP-21	0-½'bgs	11/18/2020	<0.0157	<0.0157	<0.0157	<0.0157	<0.0098	**0.0532**	<0.0098
Block 400 Building Perimeter	BP-22	0-½'bgs	11/18/2020	<0.0131	<0.0131	<0.0131	<0.0131	<0.00822	**0.245**	<0.00822
	BP-23	0-½'bgs	11/18/2020	<0.0118	<0.0118	<0.0118	<0.0118	<0.00738	<0.00738	<0.00738
	BP-24	0-½'bgs	11/18/2020	<0.0126	<0.0126	<0.0126	<0.0126	<0.00788	<0.00788	<0.00788
	BP-25	0-½'bgs	11/18/2020	<0.0127	<0.0127	<0.0127	<0.0127	<0.00791	<0.00791	<0.00791
	BP-26	0-½'bgs	11/18/2020	<0.0125	<0.0125	<0.0125	<0.0125	<0.00781	<0.00781	<0.00781
	BP-27A	0-½'bgs	11/18/2020	<0.0128	<0.0128	<0.0128	<0.0128	<0.00799	<0.00799	<0.00799
	BP-27B (Duplicate)	0-½'bgs	11/18/2020	<0.0126	<0.0126	<0.0126	<0.0126	<0.00785	<0.00785	<0.00785
Cafeteria Building Perimeter	BP-28	0-½'bgs	11/18/2020	<0.0153	<0.0153	<0.0153	<0.0153	<0.00954	<0.00954	<0.00954
	BP-29	0-½'bgs	11/24/2020	<0.0125	<0.0125	<0.0125	<0.0125	<0.00782	<0.00782	<0.00782
	BP-30A	0-½'bgs	11/18/2020	<0.0123	<0.0123	<0.0123	<0.0123	<0.00772	<0.00772	<0.00772
	BP-30B (Duplicate)	0-½'bgs	11/18/2020	<0.0131	<0.0131	<0.0131	<0.0131	<0.00822	<0.00822	<0.00822
Regulatory Screening Level				**4.1**	**0.2**	**0.17**	**0.23**	**0.23**	**0.24**	**0.24**
HERO HHRA Note 3 DTSC SL or USEPA RSLs				**DTSC-SL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**
Approximate Method Detection Limit (MDL)				**0.0133**	**0.0133**	**0.0133**	**0.0133**	**0.00832**	**0.0092**	**0.00832**
Approximate Reported Detection Limit (RDL)				**0.0384**	**0.0384**	**0.0384**	**0.0384**	**0.0192**	**0.0213**	**0.0192**

<D.L.	Indicates that the compound was not detected at or above stated laboratory method detection limits.
USEPA RSL	United States Environmental Protection Agency Regional Screening Levels for Residenial Uses (November 2020)
HERO HHRA Note 3	DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3, DTSC-Modified Screening Levels, June 2020.
Approximate MDL	Average of all the samples method detection limits
Approximate RDL	Average of all the samples reported detection limits

Table 2. Summary Results for Mountain View High School PEA - PCBs Sampling

(Concentrations in milligrams per kilogram [mg/kg])

Approximate Location	Sample ID	Approximate Sampling Depth	Date Sampled	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260
Freestyle Academy Portables Perimeter & Landscaping	BP-31	0-½'bgs	11/24/2020	<0.0122	<0.0122	<0.0122	<0.0122	<0.00762	**0.909**	<0.00762
	BP-32A	0-½'bgs	11/18/2020	<0.0133	<0.0133	<0.0133	<0.0133	<0.0083	**0.402**	<0.0083
	BP-32B (Duplicate)	0-½'bgs	11/18/2020	<0.0144	<0.0144	<0.0144	<0.0144	<0.00901	**0.18**	<0.00901
	BP-33	0-½'bgs	11/18/2020	<0.0124	<0.0124	<0.0124	<0.0124	<0.00776	**0.434**	<0.00776
	BP-34	0-½'bgs	11/18/2020	<0.0138	<0.0138	<0.0138	<0.0138	<0.00863	**4.08**	<0.00863
	BP-35	0-½'bgs	11/18/2020	<0.0148	<0.0148	<0.0148	<0.0148	<0.00924	**0.443**	<0.00924
	BP-36	0-½'bgs	11/18/2020	<0.013	<0.013	<0.013	<0.013	<0.00816	<0.00816	<0.00816
	BP-37	0-½'bgs	11/18/2020	<0.0124	<0.0124	<0.0124	<0.0124	<0.00775	<0.00775	<0.00775
Former Buildings Perimeter-Central Portion of MVHS	BP-38	0-½'bgs	11/24/2020	<0.013	<0.013	<0.013	<0.013	<0.00815	<0.00815	<0.00815
	BP-38	2-2½'bgs	11/24/2020	<0.0124	<0.0124	<0.0124	<0.0124	<0.00776	<0.00776	<0.00776
	BP-39	0-½'bgs	11/24/2020	<0.0121	<0.0121	<0.0121	<0.0121	<0.00759	<0.00759	<0.00759
	BP-39	4-4½'bgs	11/24/2020	<0.0131	<0.0131	<0.0131	<0.0131	<0.0082	<0.0082	<0.0082
	BP-40	0-½'bgs	11/24/2020	<0.0128	<0.0128	<0.0128	<0.0128	<0.00797	<0.00797	<0.00797
	BP-40A	2-2½'bgs	11/24/2020	<0.0137	<0.0137	<0.0137	<0.0137	<0.00854	<0.00854	<0.00854
	BP-40B (Duplicate)	2-2½'bgs	11/24/2020	<0.0139	<0.0139	<0.0139	<0.0139	<0.00869	<0.00869	<0.00869
	BP-41	0-½'bgs	11/24/2020	<0.0133	<0.0133	<0.0133	<0.0133	<0.00829	<0.00829	<0.00829
	BP-41	4-4½'bgs	11/24/2020	<0.0127	<0.0127	<0.0127	<0.0127	<0.00791	<0.00791	<0.00791
	BP-42	0-½'bgs	11/24/2020	<0.0132	<0.0132	<0.0132	<0.0132	<0.00828	<0.00828	<0.00828
	BP-42	2-2½'bgs	11/24/2020	<0.0132	<0.0132	<0.0132	<0.0132	<0.00825	<0.00825	<0.00825
	BP-43	0-½'bgs	11/24/2020	<0.0124	<0.0124	<0.0124	<0.0124	<0.00778	<0.00778	<0.00778
	BP-43	4-4½'bgs	11/24/2020	<0.0139	<0.0139	<0.0139	<0.0139	<0.00871	<0.00871	<0.00871
	BP-44	0-½'bgs	11/24/2020	<0.0129	<0.0129	<0.0129	<0.0129	<0.00806	<0.00806	<0.00806
	BP-44	2-2½'bgs	11/24/2020	<0.0127	<0.0127	<0.0127	<0.0127	<0.00792	<0.00792	<0.00792
Regulatory Screening Level				**4.1**	**0.2**	**0.17**	**0.23**	**0.23**	**0.24**	**0.24**
HERO HHRA Note 3 DTSC SL or USEPA RSLs				**DTSC-SL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**	**RSL**
Approximate Method Detection Limit (MDL)				**0.0133**	**0.0133**	**0.0133**	**0.0133**	**0.00832**	**0.0092**	**0.00832**
Approximate Reported Detection Limit (RDL)				**0.0384**	**0.0384**	**0.0384**	**0.0384**	**0.0192**	**0.0213**	**0.0192**

<D.L.	Indicates that the compound was not detected at or above stated laboratory method detection limits.
USEPA RSL	United States Environmental Protection Agency Regional Screening Levels for Residenial Uses (November 2020)
HERO HHRA Note 3	DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3, DTSC-Modified Screening Levels, June 2020.
Approximate MDL	Average of all the samples method detection limits
Approximate RDL	Average of all the samples reported detection limits

Table 3. Summary Results for Mountain View High School PEA - TPH & PAHs Sampling

(Concentrations in milligrams per kilogram [mg/kg])

Approximate Location	Sample ID	Approximate Sampling Depth	Date Sampled	C12-C22 Hydrocarbons	C22-C32 Hydrocarbons	C32-C40 Hydrocarbons	Anthracene	Acenaphthene	Acenaphthylene	Benz(a)-anthracene	Benzo(a)-pyrene	Benzo(b)-fluoranthene	Benzo (g,h,i) perylene	Benzo(k)-fluoranthene	Chrysene	Dibenzo (a,h)anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	2-Chloro-naphthalene
Historical Agricultural Sampling	AG-1	0-½'bgs	11/24/2020	<12.7	**63.1 J <23.1 / <69.6**	**110**	<0.004	<0.00364	<0.00376	**0.00315 J <0.003 / <0.0104**	**0.00491 J <0.003 / <0.0104**	**0.00814 J <0.003 / <0.0104**	**0.00682 J <0.0031 / <0.0104**	<0.0037	**0.00457 J <0.004 / <0.0104**	<0.003	**0.00776 J <0.004 / <0.0104**	<0.0036	**0.00525 J <0.0032 / <0.0104**	<0.0071	**0.00558 J <0.004 / <0.0104**	**0.00974 J <0.0035 / <0.0104**	<0.0078	<0.0074	<0.0081
	AG-2	0-½'bgs	11/24/2020	<8.84	**29.9 J <16 / <48.3**	**51**	<0.00278	<0.00252	<0.00261	**0.00643 J <0.003 / <0.0104**	**0.0122**	**0.0319**	**0.0176**	**0.00833**	**0.0162**	**0.00325 <0.0021 / <0.0072**	**0.0139**	<0.0025	**0.0171**	<0.00492	**0.00475 J <0.0028 / <0.0072**	**0.0118**	<0.0054	<0.0052	<0.0056
	AG-3A	0-½'bgs	11/24/2020	**7.65 J <3.85 / <21**	**30.9**	**36.3**	<0.00241	<0.00219	<0.00227	<0.0018	<0.0019	<0.0016	<0.0016	<0.0023	<0.0024	<0.0018	<0.0024	<0.0022	<0.0019	<0.00428	<0.0024	<0.0021	<0.0047	<0.0045	<0.0049
	AG-3B (Duplicate)	0-½'bgs	11/24/2020	**7.38**	**27.1**	**29.6**	<0.0024	<0.00218	<0.00226	<0.0018	<0.0019	<0.0016	<0.0016	<0.0023	<0.0024	<0.0018	<0.0024	<0.0021	<0.0019	<0.00426	<0.0024	**0.00217 J <0.0021 / <0.0063**	<0.0047	<0.0045	<0.0049
	AG-4	0-½'bgs	11/24/2020	**11.8 J <7.7 / <42**	**137**	**229**	<0.00242	<0.0022	<0.00227	**0.00187 J <0.0018 / <0.0063**	**0.00297 J <0.0019 / <0.0063**	**0.00429 J <0.0016 / <0.0063**	**0.00358 J <0.0019 / <0.0063**	<0.0023	**0.00279 J <0.0024 / <0.0063**	<0.0018	**0.00338 J <0.0024 / <0.0063**	<0.0022	**0.00227 J <0.0019 / <0.0063**	<0.00429	**0.00317 J <0.0024 / <0.0063**	**0.00425 J <0.0021 / <0.0063**	<0.0047	<0.0045	<0.0049
Regulatory Screening Level				**260***	**1,600****	**1,600****	**17,000**	**3,300**	**6.4**	**1.10**	**0.11**	**1.1**	**2.50**	**11**	**110**	**0.028**	**2,400**	**2,400**	**1.1**	**2.0**	**7.8**	**1,800**	**9.9**	**190**	**4,100**
HERO HHRA Note 3 DTSC SL, USEPA RSLs or SFBRWQCB ESL				**DTSC-SL**	**ESL**	**ESL**	**DTSC-SL**	**DTSC-SL**	**ESL**	**RSL**	**RSL**	**RSL**	**ESL**	**RSL**	**RSL**	**DTSC-SL**	**RSL**	**DTSC-SL**	**DTSC-SL**	**RSL**	**ESL**	**RSL**	**DTSC-SL**	**DTSC-SL**	**DTSC-SL**
Approximate Method Detection Limit (MDL)				**6.77**	**12.3**	**12.3**	**0.00280**	**0.00255**	**0.00263**	**0.00211**	**0.00218**	**0.00186**	**0.00216**	**0.00262**	**0.00283**	**0.00210**	**0.00276**	**0.00250**	**0.00220**	**0.00497**	**0.00281**	**0.00244**	**0.00547**	**0.00520**	**0.00568**
Approximate Reported Detection Limit (RDL)				**37.0**	**37.0**	**37.0**	**0.0073**	**0.0073**	**0.0073**	**0.0073**	**0.0073**	**0.0073**	**0.0073**	**0.0073**	**0.0073**	**0.0073**	**0.0073**	**0.0073**	**0.0073**	**0.0244**	**0.0073**	**0.0073**	**0.0244**	**0.0244**	**0.0244**

<D.L.	Indicates that the compound was not detected at or above stated laboratory method detection limits.
NE	Not established.
(Duplicate)	Duplicate Sample
<0.00221/<0.022	<Method Detection Limit / <Reporting Detection Limit
J	The identification of the analyte is acceptable; the reported value is an estimate.
HERO HHRA Note 3	DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3, DTSC-Modified Screening Levels, June 2020.
USEPA RSL	United States Environmental Protection Agency Regional Screening Levels for Residential Uses (November 2020)
SFBRWQCB ESL	San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels Tier 1, (2019, Rev2)
Approximate MDL	Average of all the samples method detection limits
Approximate RDL	Average of all the samples reported detection limits
*	TPH Diesel Range

Table 4. Summary Results for Mountain View H.S. PEA - NOA in Soils

(Calculated Asbestos Concentrations in Weight Percent)

Approximate Location	Date Sampled	Sample ID	Approximate Sampling Depth	Transmission Electron Microscopy[1]
Southern Side of Central Portion of MVHS	11/7/2019	NOA-1	2-3' bgs	<0.001%
Northern Side of Central Portion of MVHS	11/7/2019	NOA-2	1-2' bgs	<0.001%
Eastern Side of Central Portion of MVHS	11/7/2019	NOA-3	0-½ bgs	**0.001%**
Southern Side of 400 Block Classroom	11/7/2019	NOA-4	0-½ bgs	**0.002%**
Southern Side of 200 Block Classroom	11/7/2019	NOA-5	0-½ bgs	**0.025%**
South of 100 Block Classroom	11/24/2020	NOA-6	0-3 bgs	**0.036%**
	11/24/2020	NOA-6	6-7 bgs	**0.006%**
West of Cafeteria	11/24/2020	NOA-7	0-3 bgs	**0.067%**
	11/24/2020	NOA-7	6-7 bgs	**0.305%**
Southern Portion of Freestyle Academy	11/24/2020	NOA-8	0-3 bgs	**0.117%**
	11/24/2020	NOA-8	6-8 bgs	**0.035%**
DTSC Schools Unit Screening Level				**<25% of Samples =/>0.01%**

[1] TEM NOA EPA /CARB Quantitative

<D.L. Indicates that the compound was not detected at or above stated laboratory detection limits.

BOLD Indicates exceedance of regulatory threshold

DTSC Screening Level - DTSC School Division screening concentration

FIGURES

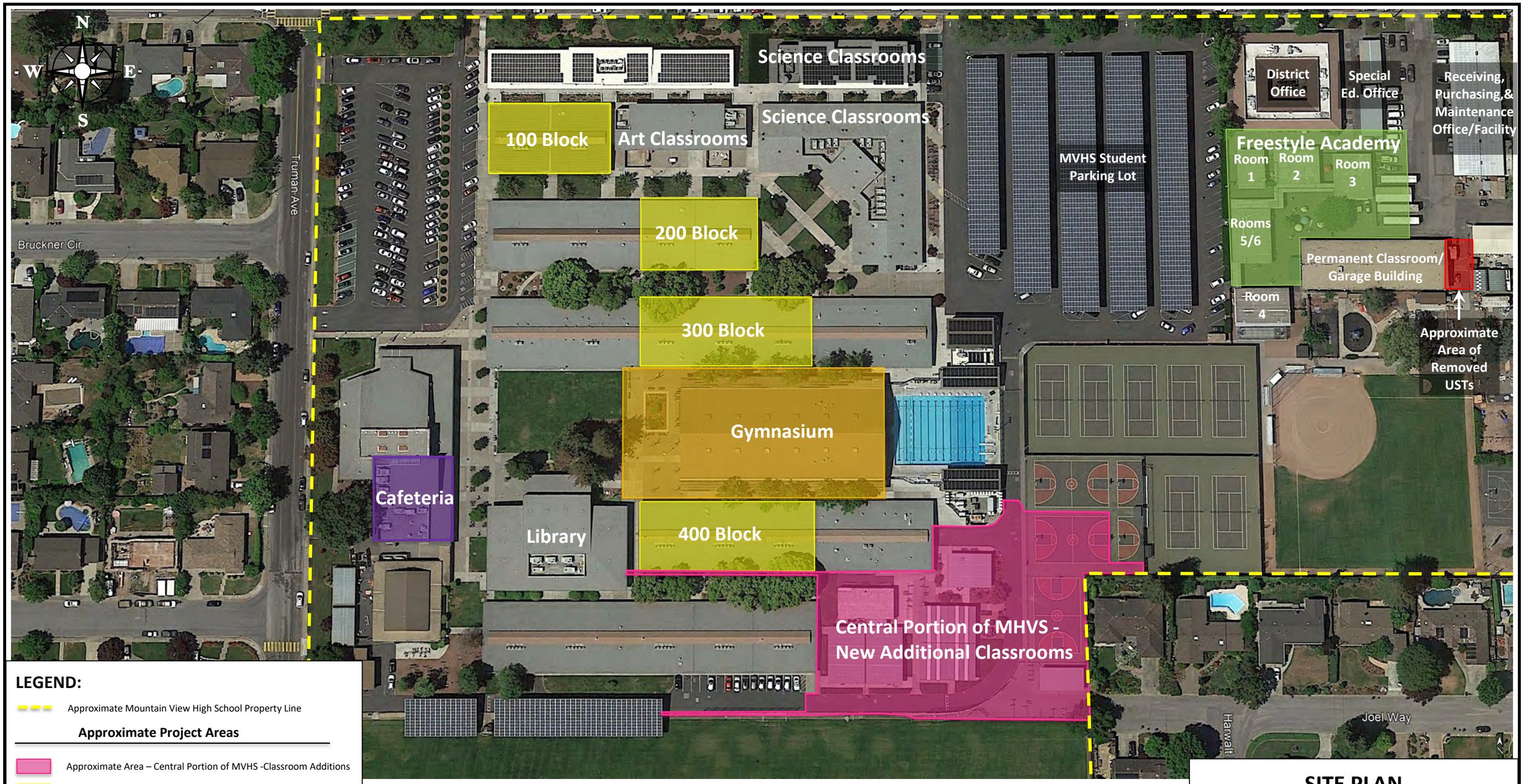
Vicinity Map

PEA Report

Mountain View High School
3535 Truman Avenue & 1299 Bryant Ave
Mountain View, California

FIGURE 1

McCloskey Consultants



LEGEND:

Approximate Mountain View High School Property Line

Approximate Project Areas

- Approximate Area – Central Portion of MVHS -Classroom Additions
- Approximate Area - Enlarge 24 Classrooms Modernization
- Approximate Area -Gym Modernization
- Approximate Area – Repurpose Cafeteria for Performing Arts
- Approximate Area of the Freestyle Academy

Approximate Graphical Scale (Ft.)

0 100 200

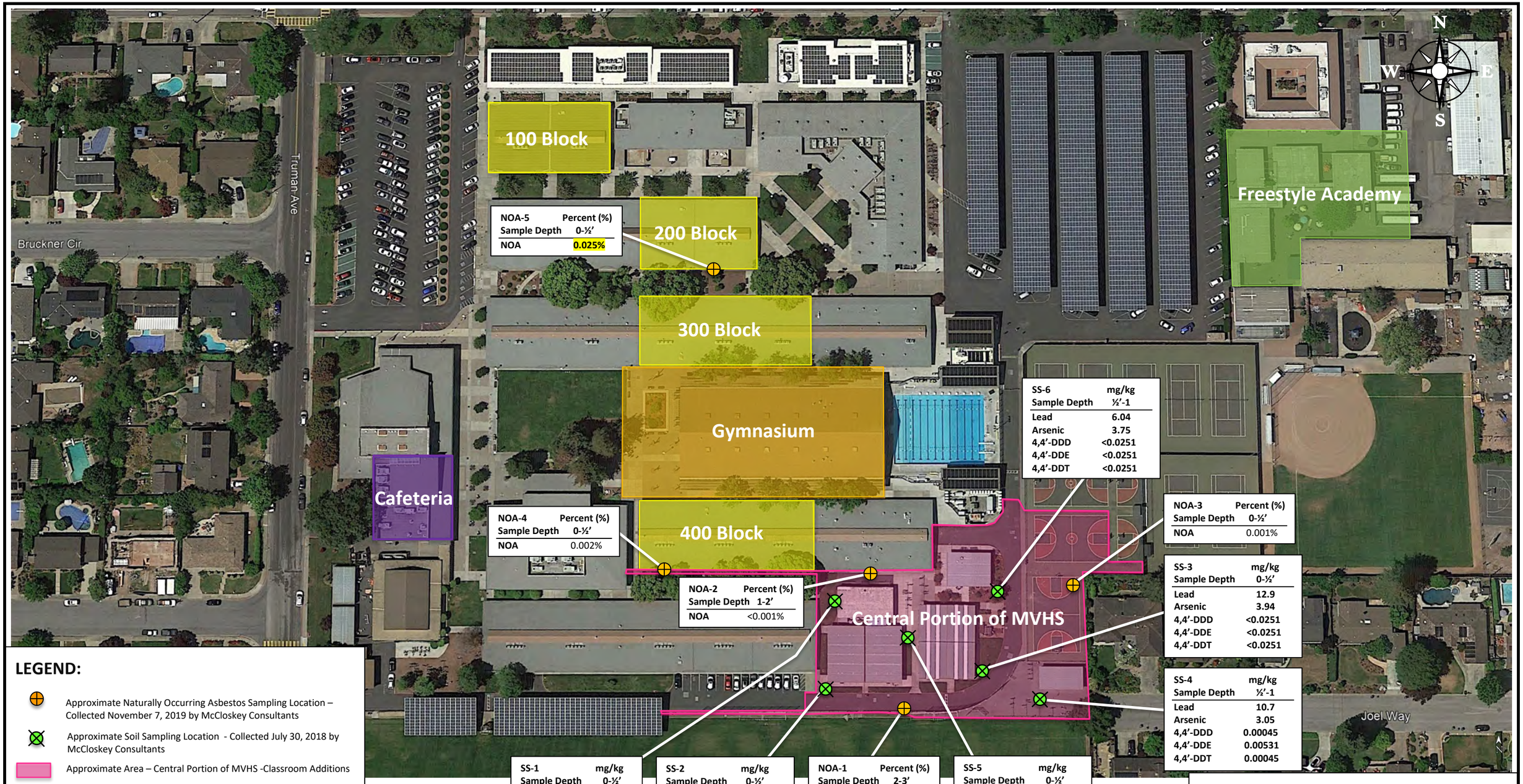
SITE PLAN

PEA Report

Mountain View High School
3535 Truman Avenue &1299 Bryant Ave
Mountain View, California

FIGURE 2

McCloskey Consultants



LEGEND:

- Approximate Naturally Occurring Asbestos Sampling Location – Collected November 7, 2019 by McCloskey Consultants
- Approximate Soil Sampling Location - Collected July 30, 2018 by McCloskey Consultants
- Approximate Area – Central Portion of MVHS -Classroom Additions
- Approximate Area - Enlarge 24 Classrooms Modernization
- Approximate Area -Gym Modernization
- Approximate Area – Repurpose Cafeteria for Performing Arts
- Approximate Area of the Freestyle Academy

Approximate Graphical Scale (Ft.)

0 100 200

Notes:

Bold – Indicates Exceedance of Regulatory Thresholds or Naturally-Occurring Background Concentrations

Concentrations in either Weight Percent (%) for asbestos by TEM or milligrams per kilogram (mg/kg) for other compounds

Bold – Indicates Exceedance DTSC Schools Unit Screening Level - <25% of samples equaling or exceeding 0.01% asbestos by Transmission Electron Microscopy (TEM) - <25% of Samples =/> 0.01%

<0.001 < Method Sensitivity Level

Previous Phase II Sampling Results

PEA Report

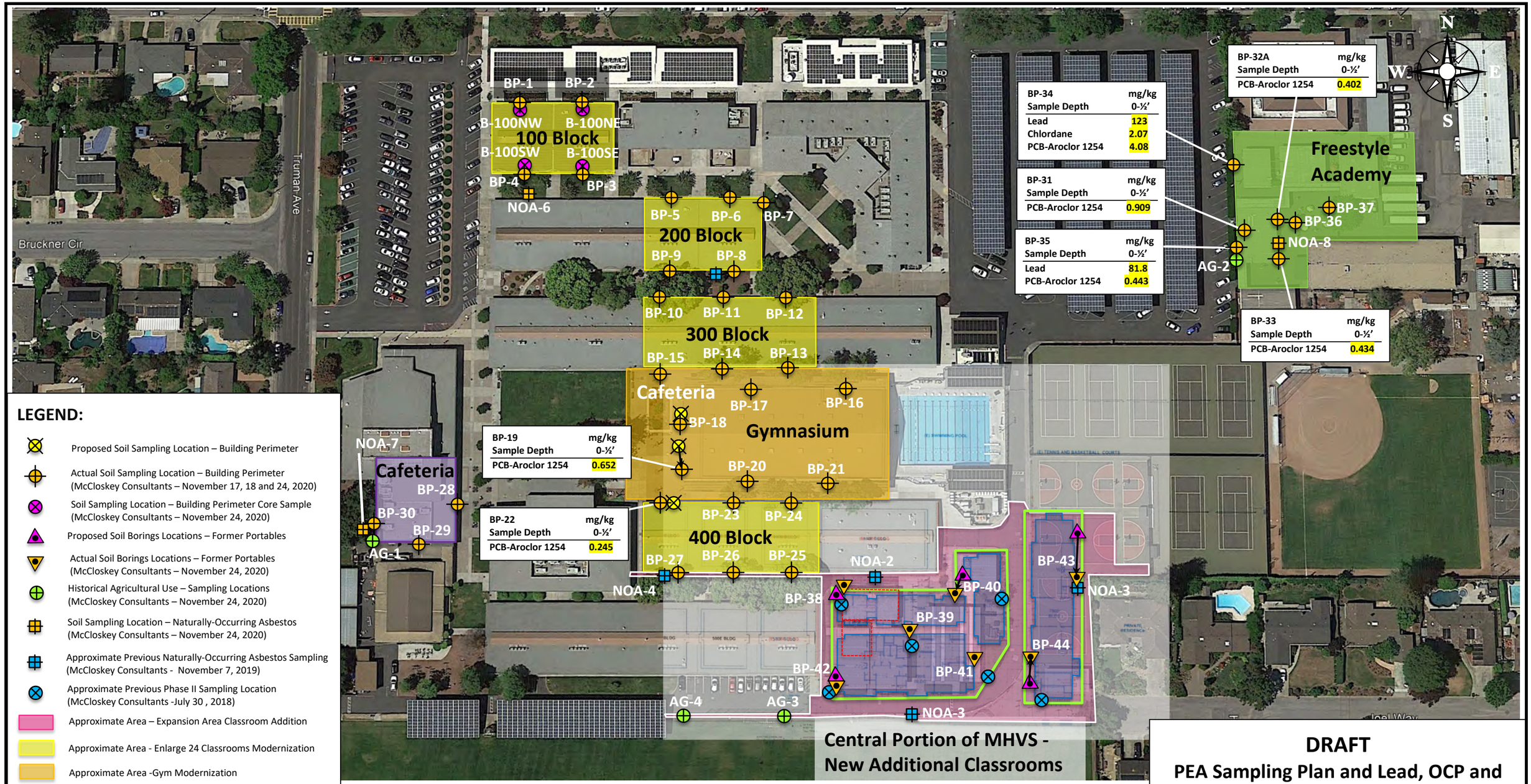
Mountain View High School

3535 Truman Avenue

Mountain View, California

FIGURE 3

McCloskey Consultants



LEGEND:

- Proposed Soil Sampling Location – Building Perimeter
- Actual Soil Sampling Location – Building Perimeter (McCloskey Consultants – November 17, 18 and 24, 2020)
- Soil Sampling Location – Building Perimeter Core Sample (McCloskey Consultants – November 24, 2020)
- Proposed Soil Borings Locations – Former Portables
- Actual Soil Borings Locations – Former Portables (McCloskey Consultants – November 24, 2020)
- Historical Agricultural Use – Sampling Locations (McCloskey Consultants – November 24, 2020)
- Soil Sampling Location – Naturally-Occurring Asbestos (McCloskey Consultants – November 24, 2020)
- Approximate Previous Naturally-Occurring Asbestos Sampling (McCloskey Consultants - November 7, 2019)
- Approximate Previous Phase II Sampling Location (McCloskey Consultants -July 30 , 2018)
- Approximate Area – Expansion Area Classroom Addition
- Approximate Area - Enlarge 24 Classrooms Modernization
- Approximate Area -Gym Modernization
- Approximate Area – Performing Arts Remodel
- Approximate Area – Freestyle Academy
- Approximate Area of Former Portable Classrooms
- Approximate Location of Newly Constructed Foundations (Approximate Start of Construction January 2020- March 2020)
- Approximate Area of Over-excavation and Lime-Treatment to 5 feet below ground surface– Performed in Late September 2019. Approximate Total Cubic Yardage – 6,600 Cubic Yards.

Notes:

Bold – Indicates Exceedance of Regulatory Thresholds
Lead Regulatory Threshold – 80 mg/Kg DTSC-SL
Chlordane Regulatory Threshold- 1.7 mg/Kg USEPA RSL
PCB Arochlor 1254 Regulatory Threshold – 0.24 mg/Kg USEPA RSL
Concentrations in milligrams per kilogram (mg/kg) for chemical compounds
USEPA RSL -United States Environmental Protection Agency Regional Screening Level (November 2020)
DTSC-SL – Department of Toxic Substance Control Screening Level (June, 2020)

Approximate Graphical Scale (Ft.)

0 100 200

DRAFT

PEA Sampling Plan and Lead, OCP and PCB Screening Level Exceedances

PEA Report

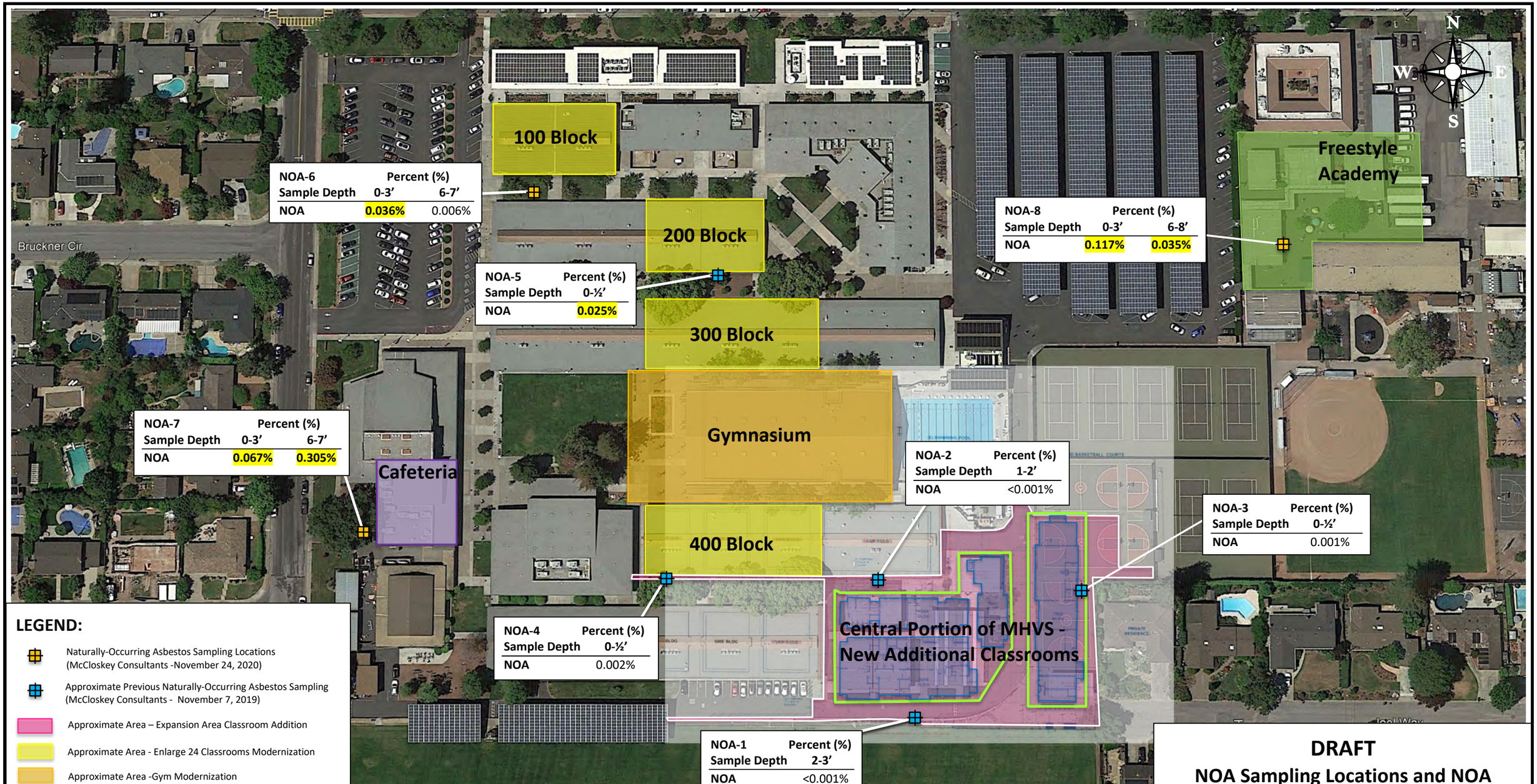
Mountain View High School

3535 Truman Ave./1299 Bryant Ave.

Mountain View, California

FIGURE 4

McCloskey Consultants



LEGEND:

- Naturally-Occurring Asbestos Sampling Locations (McCloskey Consultants -November 24, 2020)
- Approximate Previous Naturally-Occurring Asbestos Sampling (McCloskey Consultants - November 7, 2019)
- Approximate Area – Expansion Area Classroom Addition
- Approximate Area - Enlarge 24 Classrooms Modernization
- Approximate Area -Gym Modernization
- Approximate Area – Performing Arts Remodel
- Approximate Area – Freestyle Academy
- Approximate Location of Newly Constructed Foundations (Approximate Start of Construction January 2020- March 2020)
- Approximate Area of Over-excavation and Lime-Treatment to 5 feet below ground surface – Performed in Late September 2019. Approximate Total Cubic Yardage – 6,600 Cubic Yards.

Notes:

Bold – Indicates Exceedance DTSC Schools Unit Screening Level - <25% of samples equaling or exceeding 0.01% asbestos by Transmission Electron Microscopy (TEM) - <25% of Samples =/> 0.01%

<0.001 < Method Sensitivity Level

Concentrations in Weight Percent (%) for asbestos by TEM

Approximate Graphical Scale (Ft.)

0 100 200

DRAFT

NOA Sampling Locations and NOA Screening Level Exceedance

PEA Report

Mountain View High School

3535 Truman Ave./1299 Bryant Ave.

Mountain View, California

FIGURE 5

McCloskey Consultants

Appendix A

DTSC PEA Workplan Approval Letter

Department of Toxic Substances Control

Meredith Williams, Ph.D., Director
8800 Cal Center Drive
Sacramento, California 95826-3200

Jared Blumenfeld
Secretary for
Environmental Protection

Gavin Newsom
Governor

November 2, 2020

Mr. Mike Mathiesen
Associate Superintendent
Mountain View-Los Altos Union High School District
1299 Bryant Avenue
Mountain View, California 94040
Mike.Mathiesen@mvla.net

PRELIMINARY ENVIRONMENTAL ASSESSMENT WORKPLAN – APPROVAL, MOUNTAIN VIEW-LOS ALTOS UNION HIGH SCHOOL DISTRICT, MOUNTAIN VIEW HIGH SCHOOL, 3535 TRUMAN AVENUE AND 1129 BRYANT AVENUE, MOUNTAIN VIEW, SANTA CLARA COUNTY, CALIFORNIA (PROJECT CODE 204319)

Dear Mr. Mathiesen:

The Department of Toxic Substances Control (DTSC) reviewed the revised Preliminary Environmental Assessment Workplan (PEA Workplan – McCloskey Consultants, Inc., October 20, 2020) received electronically on October 29, 2020. The PEA Workplan was revised in response to DTSC's comments on the draft version forwarded in letters dated May 29, 2020, August 25, 2020, and additional comments forwarded via electronic mail on October 12, 2020 and October 29, 2020.

According to the PEA Workplan, the Mountain View-Los Altos Union High School District (District) is proposing to renovate and redevelop portions of both the existing Mountain View High School (MVHS) and the Freestyle Academy. MVHS is located at 3535 Truman Avenue, Mountain View, California, occupies approximately 30 acres and is defined by the Santa Clara County Assessor's Office as Assessor's Parcel Number (APN) 197-06-001. Freestyle Academy is located at 1299 Bryant Avenue, Mountain View, California, occupies approximately 5 acres and is defined by the Santa Clara County Assessor's Office as APN 197-06-003. The expansion, renovation and redevelopment will include the addition of 12 classrooms and a maximum capacity of 410 students. Water and sewer services will continue to be provided by the local municipality.

According to the PEA Workplan, the Site consists of seven separate areas (4.2 acres) within the MVHS campus and one area (0.65 acres) within the Freestyle Academy. Collectively, all eight areas are considered to be the Site within the MVHS campus which will undergo modernization or redevelopment; these areas include:

(1) Existing 100 Block Classrooms (constructed by 1968): modernization;
(2) Existing 200 Block Classrooms (constructed by 1963): modernization;
(3) Existing 300 Block Classrooms (constructed by 1963): modernization;
(4) Existing 400 Block Classrooms (constructed by 1963): modernization;
(5) Existing Cafeteria (constructed by 1963): modernization and repurposing as a classroom;
(6) Existing Gymnasium (constructed by 1963): modernization;
(7) Central Portion of MVHS (two portable classrooms installed by 1982 and four portable classrooms installed by 2002): replace six portable structures and associated areas with four new permanent classroom buildings; and,
(8) Freestyle Academy (Portable Classrooms 1, 2, and 5/6 were constructed by 1974, Portable Classroom 3 was constructed by 1991): replace four portable structures and associated areas with three new permanent classroom buildings.

The Site is currently operating as a high school. The Site is bounded to the north by Bryant Avenue followed by residential developments; to the east by Alta Vista High School followed by State Route 85; to the southeast by residential developments; to the south by MVHS football and baseball fields followed by Oak Avenue, followed by residential developments; and, to the west by Truman Avenue followed by residential developments. According to historical aerial photographs, the Site appears to have been used for agricultural purposes (orchards) from at least 1939 through approximately 1963 when MVHS was built.

The PEA Workplan includes activities to investigate the Site for chemicals of potential concern from the following environmental conditions that may pose a threat to human health or the environment:

- Lead-Based Paint:
  Lead in soils from the potential weathering of lead-based paint from historical structures;
- Polychlorinated biphenyls (PCBs):
  PCBs in soils from the potential weathering of electrical transformers, light ballasts, and window caulking/glazing);
- Organochlorinated pesticides (OCPs), arsenic, and lead:
  OCPs, arsenic and lead in soils from the potential historical application of agricultural chemicals to soils; OCPs in soils from the potential application of termiticides to historical structures;
- Total petroleum hydrocarbons (TPHs) and polycyclic aromatic hydrocarbons (PAHs):
  TPHs and PAHs from the potential use of smudge pots in orchards; and,

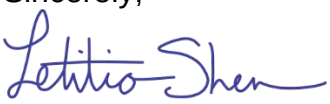
- Naturally occurring asbestos (NOA):
  NOA in the soils due to the Site being within 3 miles of geologic formations that may contain NOA.

DTSC's comments have been adequately addressed, and the revised PEA Workplan is hereby approved. If Site conditions differ from those presented in the approved PEA Workplan, additional work may be necessary. In accordance with Education Code section 17210.1(b), the District shall provide written notice to residents in the immediate area, approved in form by DTSC, at least five days in advance of field investigation activities. The intent of this requirement is to provide advance notice of fieldwork such as drilling, sampling, and other environmental data collection activities to anyone who lives or works in the line of sight of the proposed Site. Please notify DTSC a minimum of 48 hours in advance of field work or schedule changes.

The PEA Workplan indicates that the District intends to make the Draft PEA Report available for public review in compliance with Option A of the Education Code section 17213.1(a)(6)(A). Pursuant to Education Code section 17213.1, subdivision (a)(6), at the same time the draft PEA Report is submitted to DTSC for review, the District shall publish a DTSC approved notice in a local newspaper of general circulation and post the notice in a prominent manner at the Site. The notice should state the District's intent of making the draft PEA Report available for public review pursuant Option A. A copy of the notice shall be submitted to DTSC with the draft PEA Report.

If you have any questions regarding the project, please contact me at (916) 255-3744 or via email at Letitia.Shen@dtsc.ca.gov.

Sincerely,



Letitia Shen
Project Manager
Northern California Schools Unit
Site Mitigation and Restoration Program

cc: (see next page)

cc: (via e-mail)

Omid Azizi
Project Engineer
RGM Kramer, Inc.
omida@rgmkramer.com

Tom McCloskey, PG
Project Manager
McCloskey Consultants, Inc.
Tom@mccloskeyconsultants.com

Lynn Nakayama-Wong, Ph.D.
Staff Toxicologist
DTSC – Sacramento Office
Lynn.Nakayama@dtsc.ca.gov

Harold (Bud) Duke, PG
Northern California Schools Unit
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Bud.Duke@dtsc.ca.gov

José Salcedo, PE, Chief
Northern California Schools Unit
DTSC – Sacramento Office
Jose.Salcedo@dtsc.ca.gov

Appendix B

RWQCB UST Closure Documentation (October 13, 1995)

October 13, 1995

Mr. John Bayliss
Mountain View/Los Altos Union High School District
1299 Bryant Avenue
Mountain View, Ca 94040-4599

Dear Mr. Bayliss:

Subject: Underground Storage Tank Case Closure—Mountain View/Los Altos School District, 1299 Bryant Avenue, Mountain View, CA; Case No. 06S2W34Q01f

This letter confirms the completion of site investigation and remedial action for the underground storage tank(s) formerly located at the above-described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e).

Please contact Ms. Christine Tulloch at the Santa Clara Valley Water District's Camden Office, (408) 927-0710, extension 2636, if you have any questions in this matter.

Sincerely,

ORIGINAL SIGNED BY

James S. Crowley, P.E.
Associate Civil Engineer
Leaking Underground Storage Tank Oversight Program

Enclosure

cc: Mr. John West (w/enc)
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612

Mr. Gary Leinweber
Mountain View Fire Department
1000 Villa Street
Mountain View, CA 94041

J. Crowley, C. Tulloch (w/original enc), Database (enc)

CAT:clf:FL9482hn

Santa Clara Valley Water District

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK PROGRAM

I. AGENCY INFORMATION

Date: October 5, 1995

Agency Name: Santa Clara Valley Water District	Address: 5750 Almaden Expressway
City/State/Zip: San Jose, CA 95118	Phone: (408) 265-2600
Responsible Staff Person: Christine A. Tulloch	Title: Water Quality Specialist

II. CASE INFORMATION

Site Facility Name: Mountain View/Los Altos School District		
Site Facility Address: 1299 Bryant Avenue, Mountain View		
RB LUSTIS Case No.: —	Local Case No.: 06S2W34Q01f	LOP Case No.: —
URF Filing Date: 06/09/88	SWEEPS No.: —	APN No.: —

Responsible Parties	Addresses	Phone Numbers
Mr. John Bayless Mountain View/Los Altos Union High School District	1299 Bryant Avenue Mountain View, CA 94040-4599	(415) 940-4650

Tank I.D. No.	Size in Gallons	Contents	Closed In—Place/Removed?	Date
A	550	Waste oil	Removed	02/18/88
B, D	2,000	Gasoline	Removed	02/18/88
C	2,000	Diesel	Removed	02/18/88
Piping			Assumed with tanks	02/18/88

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown. Holes were observed in tank B		
Site characterization complete? Yes	Date Approved By Oversight Agency: 11/18/93	
Monitoring wells installed? No	Number: —	Proper screened interval? Yes No
Highest GW Depth Below Ground Surface: >45	Lowest Depth: —	Flow Direction: —
Most Sensitive Current Use: Potential drinking water		

Summary of Production Wells in Vicinity: There are two destroyed wells within 1,000 feet of the site. Due to the limited soil impact, the wells are not expected to be threatened.	
Are drinking water wells affected? No	Aquifer Name: Santa Clara Valley Basin
Is surface water affected? No	Nearest SW Name: Stevens Creek
Off-Site Beneficial Use Impacts (Addresses/Locations): None reported	
Reports on file? Yes	Where are reports filed? Santa Clara Valley Water District

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	Three 2,000-gallon One 550-gallon	Disposal off site	02/18/88
Piping	Unknown	Assumed with tanks	02/18/88
Free Product	None	—	—
Soil	600 square yards	Treatment/backfilled on site	—
Groundwater	None	—	—
Barrels	None	—	—

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS—BEFORE AND AFTER CLEANUP
OPTIONAL: (Please see Attachment for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)		Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	ND[1]	220[2]	NA	NA	Xylene	360	44	NA	NA
TPH (Diesel)	11,000	72	NA	NA	Ethylbenzene	29	15	NA	NA
Benzene	0.005	0.9	NA	NA	Oil & Grease	740	NA	NA	NA
Toluene	31	4.3	NA	NA	Heavy Metals	NA	NA	NA	NA
Other (8240)	ND except for BTEX	ND	NA	NA	Acetone	0.024	ND	NA	NA

Description of Interim Remediation Activities: In February 1988, soil contamination was detected below tank B at a depth of 9 feet bgs. A concrete slab was present at 10 feet bgs. In June 1988, soil was reexcavated to a depth of 9 feet bgs. The concrete slab was removed. Soil samples were collected at 11 and 13 feet bgs at both ends of the excavation. The sample results indicate that moderate contaminant levels were detected at a depth of 11 feet. Sample results from 13 feet were nondetectable. It appears that most of the contamination was present above the slab.

After overexcavation activities, the soil stockpiles (soil from 0 to 9 feet and soil from 10 to 13 feet) were sampled. Both stockpiles were sampled using a four to one composite for chemical analyses. Twenty-two (22) parts per million (ppm) TPHG was detected in the soils from 0 to 9 feet bgs and was subsequently backfilled into the excavation. Up to 210 ppm TPHD was detected in the soil stockpile from 10 to 13 feet bgs. After further aeration, a four to one composite sample analysis resulted in 46 ppm TPHD. The stockpile was backfilled. Due to compositing, the actual contaminant concentrations in the stockpiles may be higher than indicated. In 1993, two borings were drilled through the backfill near tank B. Samples were collected at 5, 10, 15, and 20 feet. TPHD up to 17 ppm and Total Oil and Grease up to 68 ppm was detected at 5, 10, and 15 feet.

[1]Total Petroleum Hydrocarbons as Gasoline (TPHG) was not analyzed beneath the gasoline tank with holes. Eleven thousand (11,000) ppm Total Petroleum Hydrocarbons as Diesel (TPHD) was detected.

[2]After concentrations represent soil results at 11 feet below ground surface (bgs). Subsequent sampling at the same location at 13 feet bgs resulted in nondetectable results.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? District staff does not make specific determinations concerning public health risk. However, it does not appear that the release would present a risk to human health.		
Site Management Requirements: None		
Should corrective action be reviewed if land use changes? Yes No		
Monitoring Wells Decommissioned: No	Number Decommissioned: 0	Number Retained: 0
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: None		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances: Significant diesel and oil and grease range contaminants were detected below gasoline tank B. TPHG was not analyzed for. The tar wrap around the tank was blistered and oozing. It appears that the soil samples beneath this tank were collected above a concrete slab in possibly backfill. The detected contamination may have been a combination of tank leakage and disintegrating tar wrap concentrated and localized due to the concrete slab. Contamination was not detected beneath the other tanks.

The area of the release was overexcavated. Contaminated stockpiled soil was inadequately sampled and used to backfill the excavation.

Three soil borings have been drilled within 10 feet of the highest level of contamination. Two of the borings were drilled through the backfill to a depth of 22 feet bgs. The other boring was drilled outside of the excavation to a depth of 45 feet bgs. Low levels of contamination were detected in the 22-foot borings to a depth of 15 feet bgs. Groundwater was not encountered.

Conclusion: Adequate soil definition has occurred at this site. It appears that the most significant contamination was limited to 11 feet bgs. The backfill material is contaminated and not well characterized. The site is underlain by primarily coarse-grained soils. However, silty clay from a depth of 13 to 16 did not appear to be contaminated. District staff has determined that the concrete slab and silty clay layer were a barrier to significant migration vertically. Due to the localized area of contamination, beneficial uses of underlying groundwater are not expected to be significantly affected.

VI. LOCAL AGENCY REPRESENTATIVE DATA

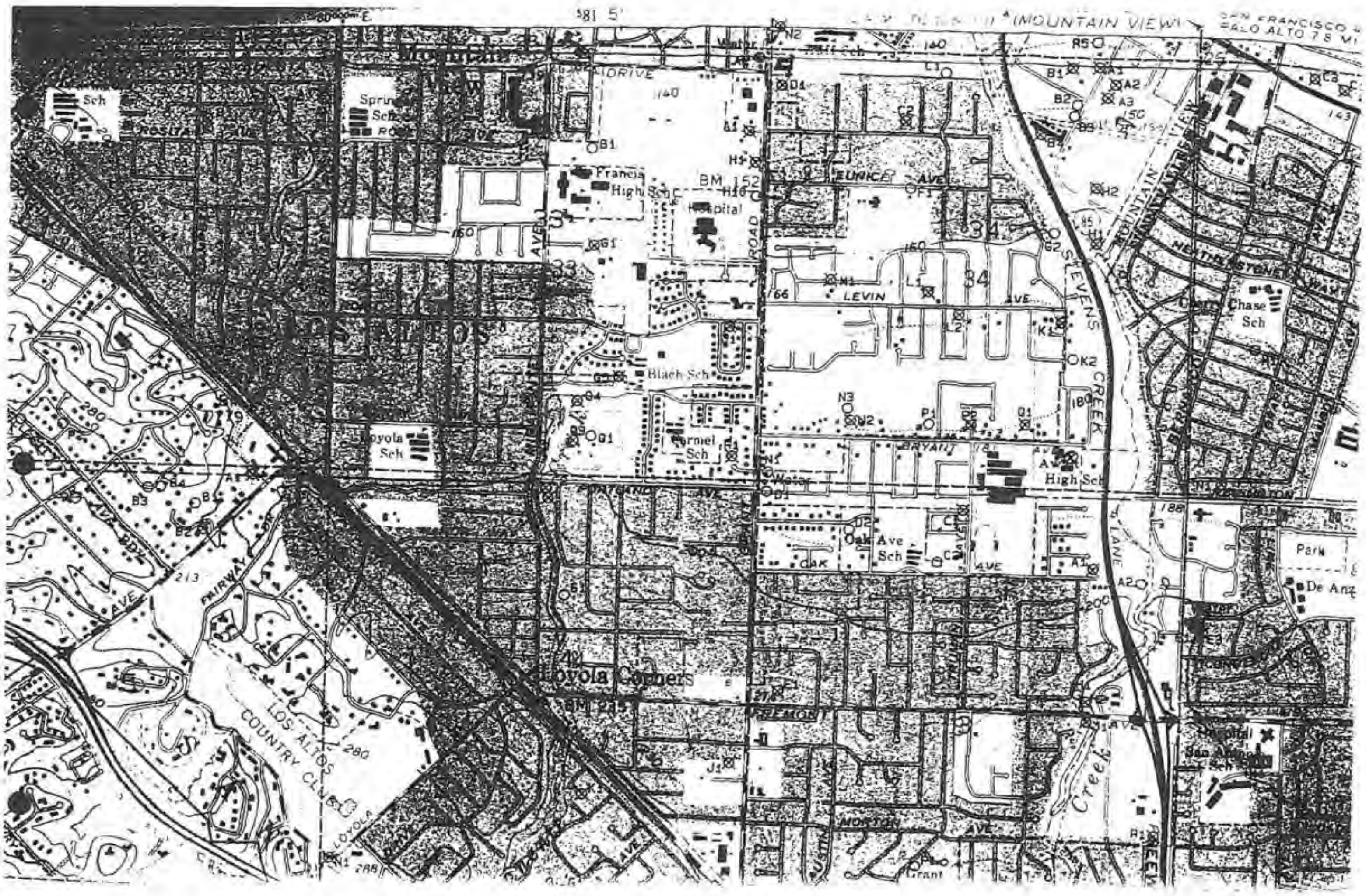
Prepared by: Christine A. Tulloch	Title: Water Quality Specialist
Signature: [signature]	Date: 10/10/95
Approved by: James S. Crowley, P.E.	Title: Associate Civil Engineer
Signature: [signature]	Date: 10/11/95

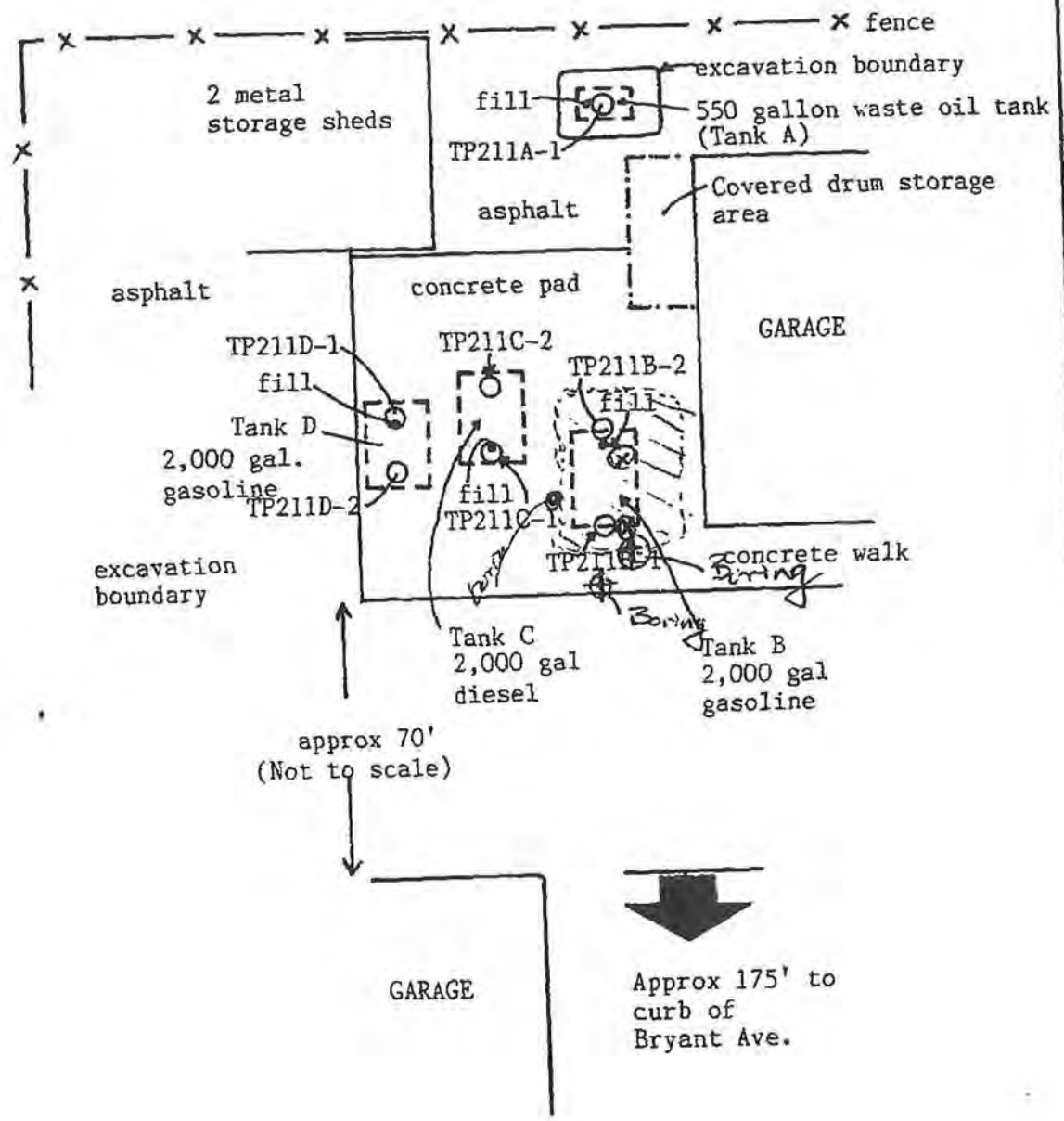
This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

Attachments:

1. Site Vicinity Map
2. Site Plan

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.


MOUNTAIN VIEW
SAN FRANCISCO
PALO ALTO 7.8 MI
Francia High Sch
Hospital
BM 152
EUNICE AVE
LEVIN AVE
STEVENS CREEK
Blach Sch
Loyola Sch
Carmel Sch
BRYANT
Awalt High Sch
Oak Ave Sch
OAK AVE
Park
De Anza
Loyola Corners
FREMONT
MORTON AVE
LOS ALTOS COUNTRY CLUB
280
Creek
Grant



Site Map

Mountain View - Los Altos High School District
1299 Bryant Ave.
Mountain View, CA

O Location of soil sample

0 20 Feet

Geonomics Inc.
Suite 212
100 West Rincon Avenue
Campbell, CA 95008
(408) 374-911

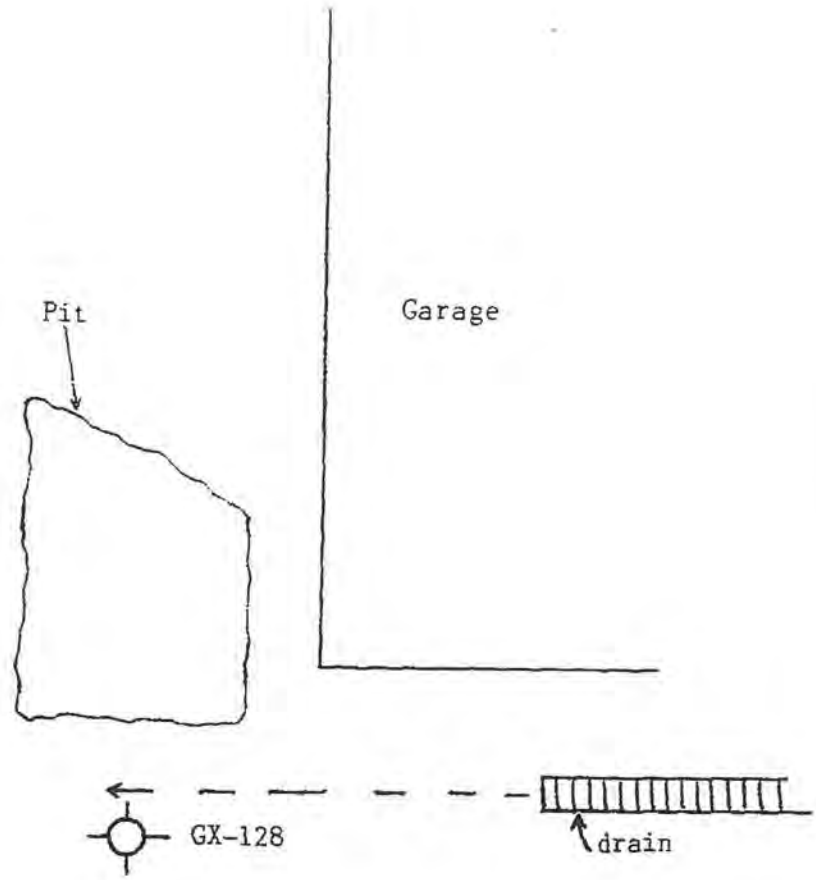


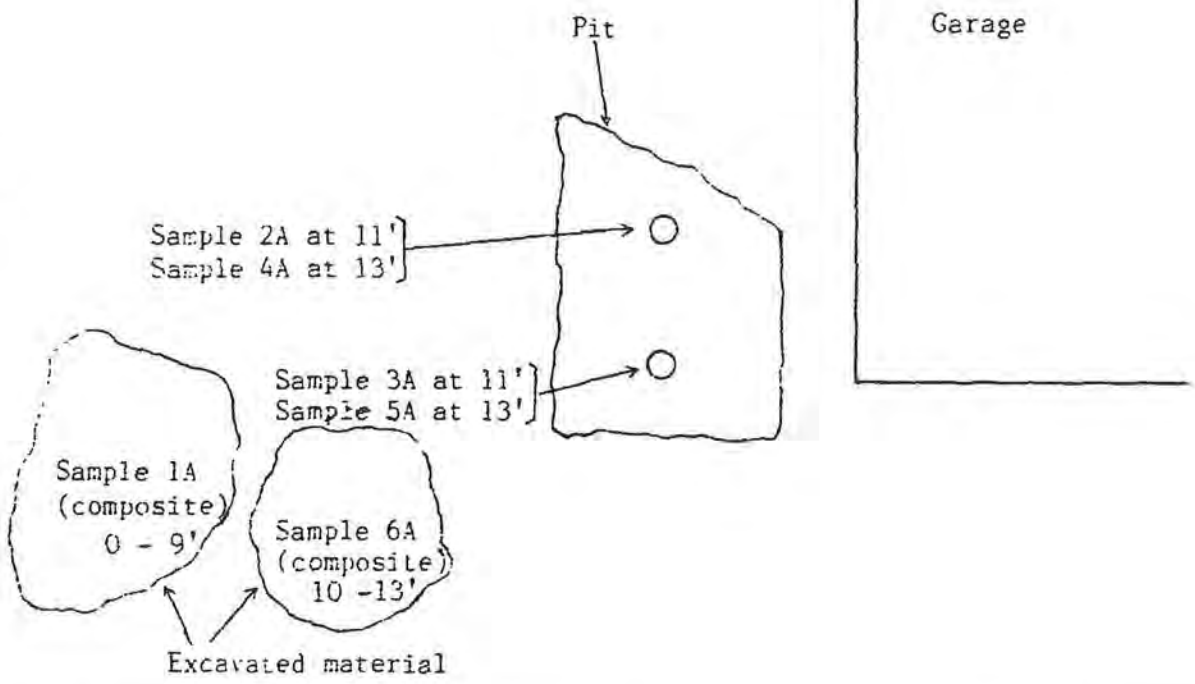
Figure 2
Site Map

0 10'
Scale

Mountain View - Los Altos High School District
1299 Bryant Ave.
Mountain View, CA

Location of borehole
GX-128

Geonomics Inc.
Suite 212
100 West Rincon Avenue
Campbell, CA 95008
(408) 374-8116



Site Map

Mountain View - Los Altos High School District
1299 Bryant Ave.
Mountain View, CA

○ Soils sample location

0 10'
Scale

Geonomics Inc.
Suite 212
100 West Rincon Avenue
Campbell, CA 95008
(408) 374-9116

Appendix C

Previous Phase II Sampling Documentation

Phase II Environmental Site Assessment

Mountain View High School Expansion, 3535 Truman Avenue

Mountain View, California

Prepared for:

David J. Powers and Associates
San Jose, California

August 30, 2018

Prepared by:
McCloskey Consultants, Inc.

McCloskey Consultants
ENVIRONMENTAL & GEOLOGIC ASSESSMENTS

PHASE II ENVIRONMENTAL SITE ASSESSMENT

MOUNTAIN VIEW HIGH SCHOOL EXPANSION

3535 Truman Avenue
Mountain View, Santa Clara County, CA 94040

August 30, 2018

Prepared for:

DAVID J. POWERS AND ASSOCIATES

Prepared by:

McCloskey Consultants, Inc.

420 Sycamore Valley Road West

Danville, CA 94526

Christopher M. Vertin
Senior Staff Engineer

Thomas F. McCloskey, P.G., C.E.G., C.Hg.
President and Principal Geologist

Table of Contents

1.0 INTRODUCTION

1.1 Statement of Purpose

McCloskey Consultants, Inc. (MCI) was retained by David J. Powers and Associates (DJPA)) to preform soil sampling services for the proposed expansion area located on the Mountain View High School (MVHS) campus at 3535 Truman Avenue in Mountain View, California (Site). The Site location and vicinity map is included as Figure 1. Based on information provided by DJPA, removal of the existing portable classroom buildings along the southeastern portion of the school perimeter is planned, followed by replacement with a new classroom building and associated landscaping and other sitework. The scope of work performed was based on findings in a previously performed Phase I Environmental Site Assessment (ESA) (MCI, 2018) that identified current and historical Site usage(s). The Site concerns were related to the potential presence of residual pesticides and/or related metals in soil from historical agricultural cultivation.

1.1 Site Description and Background

The Site consists of an area along the southeastern perimeter of MVHS (Figure 2), between the swimming pool, tennis courts, locker room, classroom buildings, ball fields, and eastern property line, located at 3535 Truman Avenue in Mountain View, California. Mountain View is located in the northern portion of Santa Clara County, southwest of the southern San Francisco Bay. The Site consists of an irregularly-shaped plot of land, approximately $1^{1}/_{3}$-acre (56,145-square-foot) portion of the entire school parcel designated by the Santa Clara County Assessor's Office as assessor's parcel number (APN) 197-06-001.

The Site is located in Section 3, Township 7 South, Range 2 West of the Mount Diablo baseline and meridian.

1.2 Scope of Work

The scope of work for this environmental site assessment included the following tasks:

- Collection of six shallow soil samples from across the expansion area for laboratory analysis; and,
- Data analysis and report preparation.

Specific field procedures followed during this investigation are included in Appendix A.

2.0 SITE DESCRIPTION

The primary objective of sampling during this Phase II environmental site assessment was to identify if man-made compounds were present in Site soils that could represent health or hazard risks during the redevelopment of the Site. The data obtained would then be used to evaluate the degree of health risk presented by the contaminants identified, and ultimately to evaluate appropriate response actions at the Site to render it suitable for continued school uses.

The discrete samples were compared to the United States Environmental Protection Agency Regional Screening Levels (USEPA RSLs). Arsenic concentrations were compared to published naturally-occurring concentrations. Lead was compared to the or California DTSC's Office of Human and Ecological Risk ("HERO") Human Health Risk Assessment (HHRA) HERO Note 3 screening level value of 80 milligram per kilogram (mg/Kg) for sensitive uses including K-12 schools.

2.1 Former Agricultural Use

2.1.1 Soil Sampling

The Site was cultivated with orchards from at least the late-1930s through the mid-1950s. Pesticides and herbicides were commonly applied to row crops and orchards and the presence of residual concentrations of organochlorine pesticides (OCPs), lead, and arsenic were therefore potential environmental concerns. Any application of pesticides or herbicides would likely have been done in a uniform manner to treat the entire area. To address this concern, shallow soil samples were collected at six locations across the expansion area and analyzed for OCPs (EPA Test Method 8081), arsenic and lead (EPA Test Method 6010B). The approximate discrete sampling locations are shown on Figure 2.

2.1.2 Analytical Results

The laboratory results of the pesticides, arsenic and lead analyses are summarized in Table 1. The complete laboratory results are included in Appendix B.

The organochlorine pesticide results show that four of the six samples had detectible concentrations of 4,4' DDD, 4,4'-DDE and/ or 4,4'-DDT. Three of the six soil samples had detectible concentrations of 4,4'-DDD ranging from 0.000448 mg/Kg to 0.0115 mg/Kg. None of the concentrations detected exceed the single compound USEPA RSL of 1.9 mg/Kg for school uses. Four of the six soil samples had detectible concentrations of 4,4'-DDE ranging from 0.00041 mg/Kg to 0.261 mg/Kg. None of the concentrations detected exceed the single compound USEPA RSL of 2.0 mg/Kg for school uses. Three of the six soil samples had detectible

concentrations of 4,4'-DDT ranging from 0.000445 mg/Kg to 0.0535 mg/Kg. None of the concentrations detected exceed the single compound USEPA RSL of 1.9 mg/Kg for school uses. No other compounds were detected exceeding their respective laboratory reporting limits.

Arsenic was detected in all of the soil samples analyzed and ranged from 2.94 mg/Kg to 7.82 mg/Kg. All of the arsenic concentrations detected exceed the USEPA RSL for sensitive uses, however, naturally-occurring concentrations commonly exceed the RSLs State wide. Arsenic concentrations were compared to the published maximum naturally-occurring concentration of 11.0 mg/kg (Duverge, 2011). None of the concentrations detected in the soil samples exceeded the maximum naturally-occurring background concentrations

Lead concentrations were detected in all of the soil samples analyzed and ranged from 5.01 mg/kg to 45 mg/kg. Lead concentrations were compared to the HHRA HERO Note 3 Screening Level guidance of 80 milligrams per kilogram (mg/kg) for sensitive uses. None of the concentrations exceeded this threshold and all appeared consistent with naturally-occurring background concentrations.

3.0 SUMMARY AND CONCLUSIONS

This Phase II Environmental Site Assessment was performed to evaluate potential environmental concerns that would impact the redevelopment of the Site. The environmental concerns identified prior to sampling that could have posed a health risk included the potential presence of residual pesticides and/or related metals in soil from historical agricultural cultivation. Soil sampling was performed across the expansion area to evaluate these concerns.

Man-made contaminants (OCPs, arsenic, lead) were identified in the soils around the expansion area, but none of the concentrations detected exceeded school use guidelines. The concentrations detected do not appear to pose a significant threat to human health during the current and/or planned redevelopment activities and therefore no further action is recommended

4.0 LIMITATIONS

This report was prepared for the sole use of David J. Powers and Associates in evaluating soil quality at the time of this study. The chemical and other data presented in this report can change over time and are applicable only to the time this study was performed. The accuracy and reliability of contaminant studies are a reflection of the number and type of samples taken and extent of the analyses conducted, and are thus inherently limited and can be dependent

upon the resources expended. Chemical analyses were performed for specific parameters during this investigation. Our sampling and analytical plan was designed using accepted environmental principles and our judgment for the performance of a soil quality evaluation. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. We make no warranty, expressed or implied, except that our services have been performed in accordance with environmental principles generally accepted at this time and location.

5.0 REFERENCES

Cal/EPA, January 2005. *Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties.*

Cal/EPA, September 12, 2006. *Interim Guidance, Evaluation of School Sites with Potential Soil Contamination as a Results of Lead from Lead-Based Paint, Organochlorine Pesticides from Termiticides, and Polychlorinated Biphenyls from Electrical Transformers.*

Cal/EPA, March 21, 2007. *Arsenic Strategies, Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals for Proposed and Existing School Sites.*

Cal/EPA, April 30, 2008. *Interim Guidance for Sampling Agricultural Properties (Third Revision).*

Cal/EPA, September 2009. *Revised California Human Health Screening Levels for Lead.*

California Department of Toxic Substances Control, Human and Ecologic Risk Office (HERO), January, 2018. *Human Health Risk Assessement (HHRA), Note Number: 3, DTSC-modified Screening Levels.*

Duverge'. D.J., December 2011. *Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region.* Master of Science Thesis, San Francisco State University.

McCloskey Consultants, Inc., July 27, 2018. *Phase I Environmental Site Assessment, Mountain View High School Expansion, 3535 Truman Avenue, Mountain View, Santa Clara County, CA 94040.*

United States Environmental Protection Agency Regional Screening Levels, May 2018.

TABLES

Table 1. Summary Results for the Pesticide and Metals Detected in Soil Samples

Mountain View High School Expansion

3535 Truman Avenue, Mountain View, California

Sample ID	Approximate Sampling Depth	Date Sampled	Lead	Arsenic	Aldrin	alpha-BHC	beta-BHC	delta-BHC	gamma-BHC	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor Epoxide	Hexachloro Benzene	Methoxychlor	Chlordane	Toxaphene
Concentrations in milligrams per kilogram (mg/Kg)																									
SS-1	0-½ bgs	07/30/2018	**45**	**7.82**	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	**0.0115**	**0.261**	**0.0535**	<0.00241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.241	<0.482
SS-2	0-½ bgs	07/30/2018	**11.4**	**3.5**	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	**0.0011**	**0.0377**	**0.00396**	<0.00242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.0242	<0.242	<0.483
SS-3	0-½ bgs	07/30/2018	**12.9**	**3.94**	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.00251	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.251	<0.501
SS-4	½-1 bgs	07/30/2018	**10.7**	**3.05**	<0.0245	<0.0245	<0.0245	<0.0245	<0.0245	**0.00045**	**0.00531**	**0.00045**	<0.00245	<0.0245	<0.0245	<0.0245	<0.0245	<0.0245	<0.0245	<0.0245	<0.0245	<0.0245	<0.0245	<0.245	<0.490
SS-5	0-½ bgs	07/30/2018	**5.01**	**2.94**	<0.0234	<0.0234	<0.0234	<0.0234	<0.0234	<0.0234	**0.00041**	<0.0234	<0.00234	<0.0234	<0.0234	<0.0234	<0.0234	<0.0234	<0.0234	<0.0234	<0.0234	<0.0234	<0.0234	<0.234	<0.469
SS-6	½-1 bgs	07/30/2018	**6.04**	**3.75**	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.00251	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.0251	<0.251	<0.503
USEPA RSL - Residential			**400**	**0.68***	**0.039**	**0.086**	**0.30**	**NE**	**0.57**	**1.9**	**2.0**	**1.9**	**0.034**	**470****	**470****	**NE**	**19**	**NE**	**NE**	**0.13**	**0.07**	**0.21**	**320**	**1.7**	**0.49**
HERO HHRA Note 3			**80**	**0.11***	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**0.440**	**NE**
TTLC			**1,000**	**500**	**1.4**	**NE**	**NE**	**NE**	**4.0**	**NE**	**NE**	**NE**	**8.0**	**NE**	**NE**	**NE**	**0.2**	**NE**	**NE**	**4.7**	**NE**	**NE**	**100.0**	**2.5**	**5.0**

<0.01 Indicates that the compound was not detected at or above stated lab detection limits.

NE Not established.

USEPA RSL United States Environmental Protection Agency Regional Screening Levels for Sensitive Uses (May 2018)

HERO HHRA Note 3 DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3, DTSC-Modified Screening Levels, June 2018.

TTLC Total threshold limit concentration for hazardous waste classification.

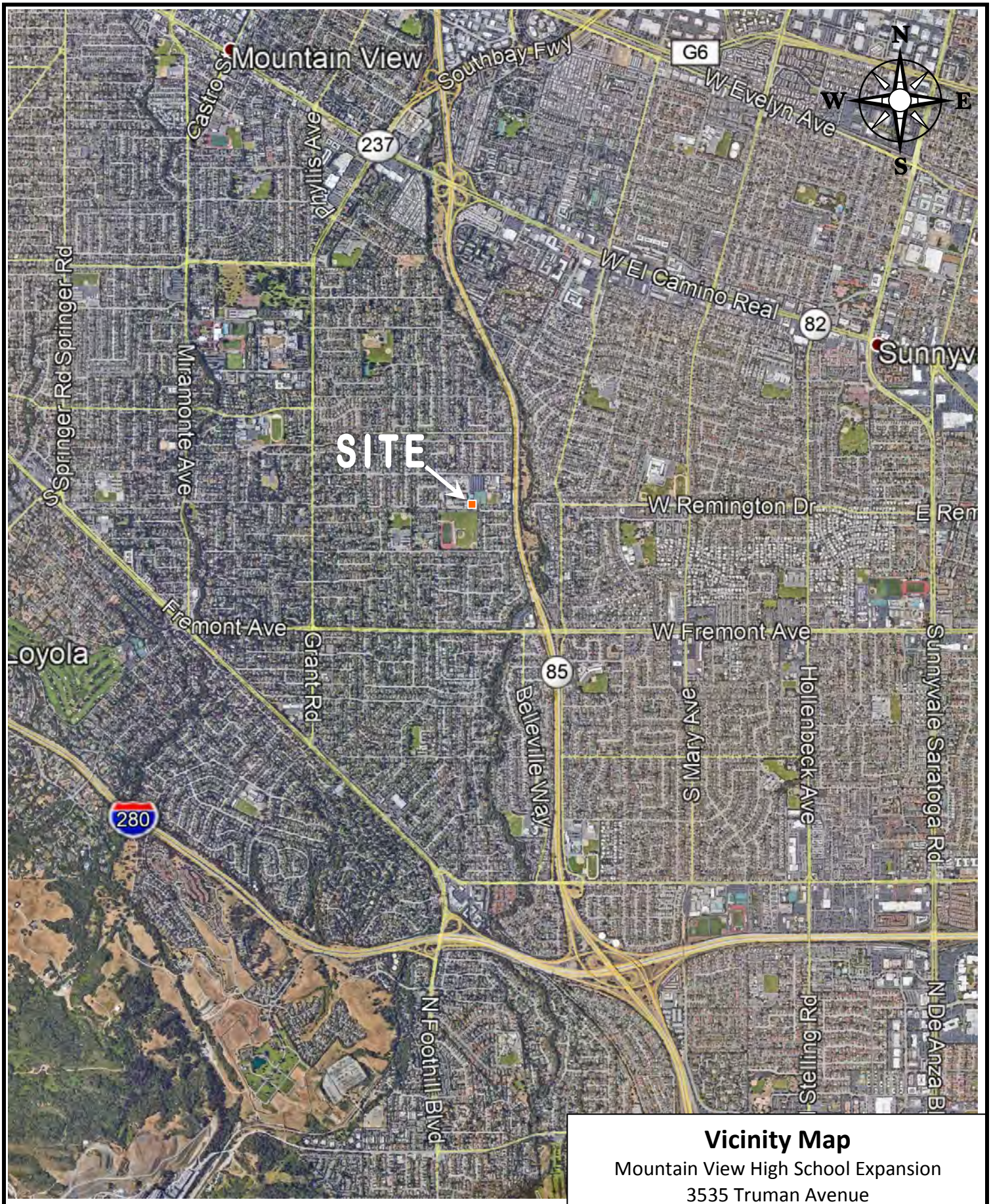
-- Not Analyzed

* Cal/EPA does not require cleanup of soil to less than background concentrations. Natural background concentrations of arsenic often exceeds the health-based goals in soil. Background arsenic was calculated to be around 6.0 mg/Kg

** RSL for Endosulfan

BOLD Indicates exceedance of regulatory threshold, none exceeded.

FIGURES



Vicinity Map

Mountain View High School Expansion
3535 Truman Avenue
San Jose, California

FIGURE 1

McCloskey Consultants

LEGEND:

Approximate Expansion Area Boundary

Approximate Soil Sampling Locations

Approximate Graphical Scale (Ft.)

0 100 200

Site Sampling Plan

Mountain View High School Expansion

3535 Truman Avenue
Mountain View, California

FIGURE 2

McCloskey Consultants

Appendix A

Field Procedures

Field Procedures

This section describes the soil sampling field methods used to evaluate the potential environmental concerns described previously. Included is a description of the sampling equipment used, the methods of sampling, and quality assurance and quality control (QA/QC) practices including equipment decontamination.

COLLECTION OF SOIL SAMPLES

Where exposed soil was present, surface soil samples were collected by hand from the upper 6 inches of soil using new, disposable, and laboratory-supplied 4-ounce glass jars. After sample collection the Teflon-lined lid were securely fastened on the jar and the jar were labeled with a unique sample identification number. New gloves were worn by the sampling personnel and were changed between sampling locations and discarded. The non-dedicated sampling equipment was decontaminated to prevent cross contamination of soil particles. The samples were placed into ziplock bags and then in an insulated cooler chilled to 4 degrees +/- 2 degrees Celsius and hand delivered by MCI personnel to Pace Analytical personnel for shipping to the laboratory.

Direct-push equipment were used at five of the sampling locations where asphalt and baserock covered underlying soils. With this method the sampling rods are hydraulically pushed or percussion driven into the soil. A dual-tube system were used which advances an outer casing that remains in the boring while an inner casing collects and removes soil samples during each sampling interval. The subsurface soils were collected continuously from the borings using a single-use, 5-foot long clear acetate liner that is withdrawn from the hole every 5 feet. Once the desired depth was reached, the rod/liner were extracted and the targeted sample interval were cut from the liner, capped with Teflon™ film, fitted with a tight-fitting cap, and labeled with a unique sample identifier. The samples were placed into ziplock bags and then in an insulated cooler chilled to 4 degrees +/- 2 degrees Celsius and hand delivered by MCI personnel to Pace Analytical personnel for shipping to the laboratory. Following drilling, borings were grouted to ground surface with a cement and bentonite grout slurry in accordance with the Santa Clara County guidelines. All sampling equipment was decontaminated by steam cleaning before being brought onsite. Non-dedicated sampling equipment (e.g., drill shoe) was decontaminated in between sample locations and after completion of each boring. Decontamination procedures include washing equipment in a liquinox and water to remove all soil particles, followed by double-rinsing with distilled water.

Appendix B

Laboratory Analytical Reports

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

August 10, 2018

McCloskey Consulting - Danville, CA

Sample Delivery Group:	L1014137
Samples Received:	08/02/2018
Project Number:	
Description:	Mountain View High School
Report To:	Tom McCloskey 420 Sycamore Valley Rd West Danville, CA 94526

Entire Report Reviewed By: Brian Ford

Brian Ford
Project Manager

TABLE OF CONTENTS

SS-1 @ 0-1/2' L1014137-01 Solid

Collected by: Chris Vertin | Collected date/time: 07/30/18 09:32 | Received date/time: 08/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1148165	1	08/06/18 13:04	08/06/18 13:12	JD
Metals (ICP) by Method 6010B	WG1147309	1	08/04/18 10:34	08/04/18 21:26	WBD
Pesticides (GC) by Method 8081	WG1147937	1	08/06/18 13:32	08/10/18 04:19	TD

SS-2 @ 0-1/2' L1014137-02 Solid

Collected by: Chris Vertin | Collected date/time: 07/30/18 09:57 | Received date/time: 08/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1148165	1	08/06/18 13:04	08/06/18 13:12	JD
Metals (ICP) by Method 6010B	WG1147309	1	08/04/18 10:34	08/04/18 21:28	WBD
Pesticides (GC) by Method 8081	WG1147937	1	08/06/18 13:32	08/10/18 04:33	TD

SS-3 @ 0-1/2' L1014137-03 Solid

Collected by: Chris Vertin | Collected date/time: 07/30/18 10:07 | Received date/time: 08/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1148165	1	08/06/18 13:04	08/06/18 13:12	JD
Metals (ICP) by Method 6010B	WG1147309	1	08/04/18 10:34	08/04/18 21:31	WBD
Pesticides (GC) by Method 8081	WG1147937	1	08/06/18 13:32	08/10/18 04:48	TD

SS-4 @ 1/2-1' L1014137-04 Solid

Collected by: Chris Vertin | Collected date/time: 07/30/18 09:52 | Received date/time: 08/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1148165	1	08/06/18 13:04	08/06/18 13:12	JD
Metals (ICP) by Method 6010B	WG1147309	1	08/04/18 10:34	08/04/18 21:34	WBD
Pesticides (GC) by Method 8081	WG1147937	1	08/06/18 13:32	08/10/18 05:03	TD

SS-5 @ 0-1/2' L1014137-05 Solid

Collected by: Chris Vertin | Collected date/time: 07/30/18 10:12 | Received date/time: 08/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1147342	1	08/03/18 14:40	08/03/18 14:52	JD
Metals (ICP) by Method 6010B	WG1147309	1	08/04/18 10:34	08/04/18 21:36	WBD
Pesticides (GC) by Method 8081	WG1147937	1	08/06/18 13:32	08/10/18 05:18	TD

SS-6 @ 1/2-1' L1014137-06 Solid

Collected by: Chris Vertin | Collected date/time: 07/30/18 10:21 | Received date/time: 08/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1147342	1	08/03/18 14:40	08/03/18 14:52	JD
Metals (ICP) by Method 6010B	WG1147309	1	08/04/18 10:34	08/04/18 21:39	WBD
Pesticides (GC) by Method 8081	WG1147938	1	08/07/18 10:40	08/09/18 00:53	VKS

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
			mg/kg		mg/kg	mg/kg		date / time	
SS-1 @ 0-1/2'	L1014137-01	Arsenic	7.82		0.783	2.41	1	08/04/2018 21:26	WG1147309
SS-1 @ 0-1/2'	L1014137-01	Lead	45.0		0.229	0.602	1	08/04/2018 21:26	WG1147309
SS-2 @ 0-1/2'	L1014137-02	Arsenic	3.50		0.785	2.42	1	08/04/2018 21:28	WG1147309
SS-2 @ 0-1/2'	L1014137-02	Lead	11.4		0.230	0.604	1	08/04/2018 21:28	WG1147309
SS-3 @ 0-1/2'	L1014137-03	Arsenic	3.94		0.814	2.51	1	08/04/2018 21:31	WG1147309
SS-3 @ 0-1/2'	L1014137-03	Lead	12.9		0.238	0.626	1	08/04/2018 21:31	WG1147309
SS-4 @ 1/2-1'	L1014137-04	Arsenic	3.05		0.797	2.45	1	08/04/2018 21:34	WG1147309
SS-4 @ 1/2-1'	L1014137-04	Lead	10.7		0.233	0.613	1	08/04/2018 21:34	WG1147309
SS-5 @ 0-1/2'	L1014137-05	Arsenic	2.94		0.762	2.34	1	08/04/2018 21:36	WG1147309
SS-5 @ 0-1/2'	L1014137-05	Lead	5.01		0.223	0.586	1	08/04/2018 21:36	WG1147309
SS-6 @ 1/2-1'	L1014137-06	Arsenic	3.75		0.817	2.51	1	08/04/2018 21:39	WG1147309
SS-6 @ 1/2-1'	L1014137-06	Lead	6.04		0.239	0.629	1	08/04/2018 21:39	WG1147309

Pesticides (GC) by Method 8081

Client ID	Lab Sample ID	Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
			mg/kg		mg/kg	mg/kg		date / time	
SS-1 @ 0-1/2'	L1014137-01	4,4-DDD	0.0115	J	0.000197	0.0241	1	08/10/2018 04:19	WG1147937
SS-1 @ 0-1/2'	L1014137-01	4,4-DDE	0.261		0.000199	0.0241	1	08/10/2018 04:19	WG1147937
SS-1 @ 0-1/2'	L1014137-01	4,4-DDT	0.0535		0.000320	0.0241	1	08/10/2018 04:19	WG1147937
SS-2 @ 0-1/2'	L1014137-02	4,4-DDD	0.00110	J	0.000198	0.0242	1	08/10/2018 04:33	WG1147937
SS-2 @ 0-1/2'	L1014137-02	4,4-DDE	0.0377		0.000199	0.0242	1	08/10/2018 04:33	WG1147937
SS-2 @ 0-1/2'	L1014137-02	4,4-DDT	0.00396	J	0.000321	0.0242	1	08/10/2018 04:33	WG1147937
SS-4 @ 1/2-1'	L1014137-04	4,4-DDD	0.000448	J	0.000201	0.0245	1	08/10/2018 05:03	WG1147937
SS-4 @ 1/2-1'	L1014137-04	4,4-DDE	0.00531	J	0.000202	0.0245	1	08/10/2018 05:03	WG1147937
SS-4 @ 1/2-1'	L1014137-04	4,4-DDT	0.000445	J P	0.000326	0.0245	1	08/10/2018 05:03	WG1147937
SS-5 @ 0-1/2'	L1014137-05	4,4-DDE	0.000410	J	0.000193	0.0234	1	08/10/2018 05:18	WG1147937

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.1		1	08/06/2018 13:12	WG1148165

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	7.82		0.783	2.41	1	08/04/2018 21:26	WG1147309
Lead	45.0		0.229	0.602	1	08/04/2018 21:26	WG1147309

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.000281	0.0241	1	08/10/2018 04:19	WG1147937
Alpha BHC	U		0.000232	0.0241	1	08/10/2018 04:19	WG1147937
Beta BHC	U		0.000365	0.0241	1	08/10/2018 04:19	WG1147937
Delta BHC	U		0.000182	0.0241	1	08/10/2018 04:19	WG1147937
Gamma BHC	U		0.000295	0.0241	1	08/10/2018 04:19	WG1147937
4,4-DDD	0.0115	J	0.000197	0.0241	1	08/10/2018 04:19	WG1147937
4,4-DDE	0.261		0.000199	0.0241	1	08/10/2018 04:19	WG1147937
4,4-DDT	0.0535		0.000320	0.0241	1	08/10/2018 04:19	WG1147937
Dieldrin	U		0.000107	0.00241	1	08/10/2018 04:19	WG1147937
Endosulfan I	U		0.000258	0.0241	1	08/10/2018 04:19	WG1147937
Endosulfan II	U		0.000277	0.0241	1	08/10/2018 04:19	WG1147937
Endosulfan sulfate	U		0.000205	0.0241	1	08/10/2018 04:19	WG1147937
Endrin	U		0.000264	0.0241	1	08/10/2018 04:19	WG1147937
Endrin aldehyde	U		0.000291	0.0241	1	08/10/2018 04:19	WG1147937
Endrin ketone	U		0.000191	0.0241	1	08/10/2018 04:19	WG1147937
Heptachlor	U		0.000122	0.0241	1	08/10/2018 04:19	WG1147937
Heptachlor epoxide	U		0.000455	0.0241	1	08/10/2018 04:19	WG1147937
Hexachlorobenzene	U		0.000270	0.0241	1	08/10/2018 04:19	WG1147937
Methoxychlor	U		0.000319	0.0241	1	08/10/2018 04:19	WG1147937
Chlordane	U		0.0470	0.241	1	08/10/2018 04:19	WG1147937
Toxaphene	U		0.0433	0.482	1	08/10/2018 04:19	WG1147937
(S) Decachlorobiphenyl	*86.6*			*10.0-148*		*08/10/2018 04:19*	WG1147937
(S) Tetrachloro-m-xylene	*76.6*			*21.0-146*		*08/10/2018 04:19*	WG1147937

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.8		1	08/06/2018 13:12	WG1148165

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.50		0.785	2.42	1	08/04/2018 21:28	WG1147309
Lead	11.4		0.230	0.604	1	08/04/2018 21:28	WG1147309

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.000281	0.0242	1	08/10/2018 04:33	WG1147937
Alpha BHC	U		0.000233	0.0242	1	08/10/2018 04:33	WG1147937
Beta BHC	U		0.000366	0.0242	1	08/10/2018 04:33	WG1147937
Delta BHC	U		0.000182	0.0242	1	08/10/2018 04:33	WG1147937
Gamma BHC	U		0.000296	0.0242	1	08/10/2018 04:33	WG1147937
4,4-DDD	0.00110	J	0.000198	0.0242	1	08/10/2018 04:33	WG1147937
4,4-DDE	0.0377		0.000199	0.0242	1	08/10/2018 04:33	WG1147937
4,4-DDT	0.00396	J	0.000321	0.0242	1	08/10/2018 04:33	WG1147937
Dieldrin	U		0.000108	0.00242	1	08/10/2018 04:33	WG1147937
Endosulfan I	U		0.000259	0.0242	1	08/10/2018 04:33	WG1147937
Endosulfan II	U		0.000278	0.0242	1	08/10/2018 04:33	WG1147937
Endosulfan sulfate	U		0.000205	0.0242	1	08/10/2018 04:33	WG1147937
Endrin	U		0.000265	0.0242	1	08/10/2018 04:33	WG1147937
Endrin aldehyde	U		0.000292	0.0242	1	08/10/2018 04:33	WG1147937
Endrin ketone	U		0.000192	0.0242	1	08/10/2018 04:33	WG1147937
Heptachlor	U		0.000122	0.0242	1	08/10/2018 04:33	WG1147937
Heptachlor epoxide	U		0.000457	0.0242	1	08/10/2018 04:33	WG1147937
Hexachlorobenzene	U		0.000271	0.0242	1	08/10/2018 04:33	WG1147937
Methoxychlor	U		0.000320	0.0242	1	08/10/2018 04:33	WG1147937
Chlordane	U		0.0471	0.242	1	08/10/2018 04:33	WG1147937
Toxaphene	U		0.0435	0.483	1	08/10/2018 04:33	WG1147937
(S) Decachlorobiphenyl	*84.7*			*10.0-148*		*08/10/2018 04:33*	WG1147937
(S) Tetrachloro-m-xylene	*79.7*			*21.0-146*		*08/10/2018 04:33*	WG1147937

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.8		1	08/06/2018 13:12	WG1148165

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.94		0.814	2.51	1	08/04/2018 21:31	WG1147309
Lead	12.9		0.238	0.626	1	08/04/2018 21:31	WG1147309

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.000292	0.0251	1	08/10/2018 04:48	WG1147937
Alpha BHC	U		0.000242	0.0251	1	08/10/2018 04:48	WG1147937
Beta BHC	U		0.000380	0.0251	1	08/10/2018 04:48	WG1147937
Delta BHC	U		0.000189	0.0251	1	08/10/2018 04:48	WG1147937
Gamma BHC	U		0.000307	0.0251	1	08/10/2018 04:48	WG1147937
4,4-DDD	U		0.000205	0.0251	1	08/10/2018 04:48	WG1147937
4,4-DDE	U		0.000207	0.0251	1	08/10/2018 04:48	WG1147937
4,4-DDT	U		0.000333	0.0251	1	08/10/2018 04:48	WG1147937
Dieldrin	U		0.000111	0.00251	1	08/10/2018 04:48	WG1147937
Endosulfan I	U		0.000268	0.0251	1	08/10/2018 04:48	WG1147937
Endosulfan II	U		0.000288	0.0251	1	08/10/2018 04:48	WG1147937
Endosulfan sulfate	U		0.000213	0.0251	1	08/10/2018 04:48	WG1147937
Endrin	U		0.000274	0.0251	1	08/10/2018 04:48	WG1147937
Endrin aldehyde	U		0.000303	0.0251	1	08/10/2018 04:48	WG1147937
Endrin ketone	U		0.000199	0.0251	1	08/10/2018 04:48	WG1147937
Heptachlor	U		0.000127	0.0251	1	08/10/2018 04:48	WG1147937
Heptachlor epoxide	U		0.000473	0.0251	1	08/10/2018 04:48	WG1147937
Hexachlorobenzene	U		0.000281	0.0251	1	08/10/2018 04:48	WG1147937
Methoxychlor	U		0.000332	0.0251	1	08/10/2018 04:48	WG1147937
Chlordane	U		0.0489	0.251	1	08/10/2018 04:48	WG1147937
Toxaphene	U		0.0451	0.501	1	08/10/2018 04:48	WG1147937
(S) Decachlorobiphenyl	*89.7*			*10.0-148*		*08/10/2018 04:48*	WG1147937
(S) Tetrachloro-m-xylene	*82.4*			*21.0-146*		*08/10/2018 04:48*	WG1147937

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.6		1	08/06/2018 13:12	WG1148165

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.05		0.797	2.45	1	08/04/2018 21:34	WG1147309
Lead	10.7		0.233	0.613	1	08/04/2018 21:34	WG1147309

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.000286	0.0245	1	08/10/2018 05:03	WG1147937
Alpha BHC	U		0.000237	0.0245	1	08/10/2018 05:03	WG1147937
Beta BHC	U		0.000372	0.0245	1	08/10/2018 05:03	WG1147937
Delta BHC	U		0.000185	0.0245	1	08/10/2018 05:03	WG1147937
Gamma BHC	U		0.000300	0.0245	1	08/10/2018 05:03	WG1147937
4,4-DDD	0.000448	J	0.000201	0.0245	1	08/10/2018 05:03	WG1147937
4,4-DDE	0.00531	J	0.000202	0.0245	1	08/10/2018 05:03	WG1147937
4,4-DDT	0.000445	J P	0.000326	0.0245	1	08/10/2018 05:03	WG1147937
Dieldrin	U		0.000109	0.00245	1	08/10/2018 05:03	WG1147937
Endosulfan I	U		0.000262	0.0245	1	08/10/2018 05:03	WG1147937
Endosulfan II	U		0.000282	0.0245	1	08/10/2018 05:03	WG1147937
Endosulfan sulfate	U		0.000208	0.0245	1	08/10/2018 05:03	WG1147937
Endrin	U		0.000269	0.0245	1	08/10/2018 05:03	WG1147937
Endrin aldehyde	U		0.000297	0.0245	1	08/10/2018 05:03	WG1147937
Endrin ketone	U		0.000195	0.0245	1	08/10/2018 05:03	WG1147937
Heptachlor	U		0.000124	0.0245	1	08/10/2018 05:03	WG1147937
Heptachlor epoxide	U		0.000463	0.0245	1	08/10/2018 05:03	WG1147937
Hexachlorobenzene	U		0.000275	0.0245	1	08/10/2018 05:03	WG1147937
Methoxychlor	U		0.000325	0.0245	1	08/10/2018 05:03	WG1147937
Chlordane	U		0.0478	0.245	1	08/10/2018 05:03	WG1147937
Toxaphene	U		0.0441	0.490	1	08/10/2018 05:03	WG1147937
(S) Decachlorobiphenyl	*88.2*			*10.0-148*		*08/10/2018 05:03*	WG1147937
(S) Tetrachloro-m-xylene	*80.1*			*21.0-146*		*08/10/2018 05:03*	WG1147937

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.3		1	08/03/2018 14:52	WG1147342

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.94		0.762	2.34	1	08/04/2018 21:36	WG1147309
Lead	5.01		0.223	0.586	1	08/04/2018 21:36	WG1147309

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.000273	0.0234	1	08/10/2018 05:18	WG1147937
Alpha BHC	U		0.000226	0.0234	1	08/10/2018 05:18	WG1147937
Beta BHC	U		0.000355	0.0234	1	08/10/2018 05:18	WG1147937
Delta BHC	U		0.000177	0.0234	1	08/10/2018 05:18	WG1147937
Gamma BHC	U		0.000287	0.0234	1	08/10/2018 05:18	WG1147937
4,4-DDD	U		0.000192	0.0234	1	08/10/2018 05:18	WG1147937
4,4-DDE	0.000410	J	0.000193	0.0234	1	08/10/2018 05:18	WG1147937
4,4-DDT	U		0.000312	0.0234	1	08/10/2018 05:18	WG1147937
Dieldrin	U		0.000104	0.00234	1	08/10/2018 05:18	WG1147937
Endosulfan I	U		0.000251	0.0234	1	08/10/2018 05:18	WG1147937
Endosulfan II	U		0.000270	0.0234	1	08/10/2018 05:18	WG1147937
Endosulfan sulfate	U		0.000199	0.0234	1	08/10/2018 05:18	WG1147937
Endrin	U		0.000257	0.0234	1	08/10/2018 05:18	WG1147937
Endrin aldehyde	U		0.000284	0.0234	1	08/10/2018 05:18	WG1147937
Endrin ketone	U		0.000186	0.0234	1	08/10/2018 05:18	WG1147937
Heptachlor	U		0.000118	0.0234	1	08/10/2018 05:18	WG1147937
Heptachlor epoxide	U		0.000443	0.0234	1	08/10/2018 05:18	WG1147937
Hexachlorobenzene	U		0.000263	0.0234	1	08/10/2018 05:18	WG1147937
Methoxychlor	U		0.000311	0.0234	1	08/10/2018 05:18	WG1147937
Chlordane	U		0.0457	0.234	1	08/10/2018 05:18	WG1147937
Toxaphene	U		0.0422	0.469	1	08/10/2018 05:18	WG1147937
(S) Decachlorobiphenyl	*89.7*			*10.0-148*		*08/10/2018 05:18*	WG1147937
(S) Tetrachloro-m-xylene	*81.0*			*21.0-146*		*08/10/2018 05:18*	WG1147937

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.5		1	08/03/2018 14:52	WG1147342

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.75		0.817	2.51	1	08/04/2018 21:39	WG1147309
Lead	6.04		0.239	0.629	1	08/04/2018 21:39	WG1147309

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.000293	0.0251	1	08/09/2018 00:53	WG1147938
Alpha BHC	U		0.000243	0.0251	1	08/09/2018 00:53	WG1147938
Beta BHC	U		0.000381	0.0251	1	08/09/2018 00:53	WG1147938
Delta BHC	U		0.000190	0.0251	1	08/09/2018 00:53	WG1147938
Gamma BHC	U		0.000308	0.0251	1	08/09/2018 00:53	WG1147938
4,4-DDD	U		0.000206	0.0251	1	08/09/2018 00:53	WG1147938
4,4-DDE	U		0.000207	0.0251	1	08/09/2018 00:53	WG1147938
4,4-DDT	U		0.000334	0.0251	1	08/09/2018 00:53	WG1147938
Dieldrin	U		0.000112	0.00251	1	08/09/2018 00:53	WG1147938
Endosulfan I	U		0.000269	0.0251	1	08/09/2018 00:53	WG1147938
Endosulfan II	U		0.000289	0.0251	1	08/09/2018 00:53	WG1147938
Endosulfan sulfate	U		0.000214	0.0251	1	08/09/2018 00:53	WG1147938
Endrin	U		0.000275	0.0251	1	08/09/2018 00:53	WG1147938
Endrin aldehyde	U		0.000304	0.0251	1	08/09/2018 00:53	WG1147938
Endrin ketone	U		0.000200	0.0251	1	08/09/2018 00:53	WG1147938
Heptachlor	U		0.000127	0.0251	1	08/09/2018 00:53	WG1147938
Heptachlor epoxide	U		0.000475	0.0251	1	08/09/2018 00:53	WG1147938
Hexachlorobenzene	U		0.000282	0.0251	1	08/09/2018 00:53	WG1147938
Methoxychlor	U		0.000333	0.0251	1	08/09/2018 00:53	WG1147938
Chlordane	U		0.0490	0.251	1	08/09/2018 00:53	WG1147938
Toxaphene	U		0.0453	0.503	1	08/09/2018 00:53	WG1147938
(S) Decachlorobiphenyl	*58.4*			*10.0-148*		*08/09/2018 00:53*	WG1147938
(S) Tetrachloro-m-xylene	*75.4*			*21.0-146*		*08/09/2018 00:53*	WG1147938

Method Blank (MB)

(MB) R3331106-1 08/03/18 14:52

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1014430-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1014430-01 08/03/18 14:52 • (DUP) R3331106-3 08/03/18 14:52

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	82.6	82.2	1	0.492		10

Laboratory Control Sample (LCS)

(LCS) R3331106-2 08/03/18 14:52

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3331409-1 08/06/18 13:12

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1014963-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1014963-01 08/06/18 13:12 • (DUP) R3331409-3 08/06/18 13:12

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.0	85.5	1	0.617		10

Laboratory Control Sample (LCS)

(LCS) R3331409-2 08/06/18 13:12

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3331027-1 08/04/18 20:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.650	2.00
Lead	U		0.190	0.500

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3331027-2 08/04/18 20:14 • (LCSD) R3331027-3 08/04/18 20:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic	100	101	103	101	103	80.0-120			1.81	20
Lead	100	97.1	98.2	97.1	98.2	80.0-120			1.07	20

L1013262-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1013262-12 08/04/18 20:19 • (MS) R3331027-6 08/04/18 20:27 • (MSD) R3331027-7 08/04/18 20:30

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	1.46	98.2	101	96.7	99.2	1	75.0-125			2.49	20
Lead	100	5.26	100	103	95.1	97.6	1	75.0-125			2.45	20

L1013262-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1013262-13 08/04/18 20:32 • (MS) R3331027-8 08/04/18 20:35 • (MSD) R3331027-9 08/04/18 20:43

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	1.74	108	101	106	99.3	1	75.0-125			6.42	20
Lead	100	2.55	103	95.5	101	92.9	1	75.0-125			7.86	20

Method Blank (MB)

(MB) R3331709-3 08/07/18 17:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aldrin	U		0.000233	0.0200
Alpha BHC	U		0.000193	0.0200
Beta BHC	U		0.000303	0.0200
Delta BHC	U		0.000151	0.0200
Gamma BHC	U		0.000245	0.0200
4,4-DDD	U		0.000164	0.0200
4,4-DDE	U		0.000165	0.0200
4,4-DDT	U		0.000266	0.0200
Dieldrin	U		0.0000890	0.00200
Endosulfan I	U		0.000214	0.0200
Endosulfan II	U		0.000230	0.0200
Endosulfan sulfate	U		0.000170	0.0200
Endrin	U		0.000219	0.0200
Endrin aldehyde	U		0.000242	0.0200
Endrin ketone	U		0.000159	0.0200
Heptachlor	U		0.000101	0.0200
Heptachlor epoxide	U		0.000378	0.0200
Hexachlorobenzene	U		0.000224	0.0200
Methoxychlor	U		0.000265	0.0200
Chlordane	U		0.0390	0.200
Toxaphene	U		0.0360	0.400
(S) Decachlorobiphenyl	*95.6*			*10.0-148*
(S) Tetrachloro-m-xylene	*93.7*			*21.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3331709-1 08/07/18 17:08 • (LCSD) R3331709-2 08/07/18 17:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Aldrin	0.0666	0.0567	0.0548	85.1	82.3	55.0-137			3.41	29
Alpha BHC	0.0666	0.0550	0.0534	82.6	80.2	55.0-136			2.95	28
Beta BHC	0.0666	0.0507	0.0497	76.1	74.6	53.0-133			1.99	28
Delta BHC	0.0666	0.0531	0.0520	79.7	78.1	53.0-139			2.09	29
Gamma BHC	0.0666	0.0544	0.0531	81.7	79.7	54.0-136			2.42	29
4,4-DDD	0.0666	0.0575	0.0562	86.3	84.4	51.0-141			2.29	29
4,4-DDE	0.0666	0.0587	0.0566	88.1	85.0	53.0-142			3.64	30
4,4-DDT	0.0666	0.0635	0.0619	95.3	92.9	47.0-143			2.55	30
Dieldrin	0.0666	0.0586	0.0568	88.0	85.3	54.0-141			3.12	29
Endosulfan I	0.0666	0.0564	0.0548	84.7	82.3	54.0-141			2.88	29

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3331709-1 08/07/18 17:08 • (LCSD) R3331709-2 08/07/18 17:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Endosulfan II	0.0666	0.0554	0.0540	83.2	81.1	53.0-140			2.56	28
Endosulfan sulfate	0.0666	0.0555	0.0546	83.3	82.0	52.0-141			1.63	29
Endrin	0.0666	0.0592	0.0575	88.9	86.3	52.0-137			2.91	29
Endrin aldehyde	0.0666	0.0514	0.0510	77.2	76.6	30.0-127			0.781	31
Endrin ketone	0.0666	0.0579	0.0572	86.9	85.9	51.0-139			1.22	28
Heptachlor	0.0666	0.0603	0.0587	90.5	88.1	53.0-144			2.69	29
Heptachlor epoxide	0.0666	0.0567	0.0550	85.1	82.6	54.0-137			3.04	28
Hexachlorobenzene	0.0666	0.0488	0.0475	73.3	71.3	50.0-135			2.70	28
Methoxychlor	0.0666	0.0595	0.0590	89.3	88.6	49.0-145			0.844	29
(S) Decachlorobiphenyl				*95.6*	*97.4*	*10.0-148*				
(S) Tetrachloro-m-xylene				*91.3*	*90.5*	*21.0-146*				

L1014122-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1014122-01 08/10/18 01:06 • (MS) R3332622-1 08/10/18 01:21 • (MSD) R3332622-2 08/10/18 01:36

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aldrin	0.0791	U	0.0296	0.0467	37.4	59.0	1	19.0-152		J3	44.9	24
Alpha BHC	0.0791	U	0.0282	0.0506	35.6	64.0	1	39.0-152	J6	J3	57.0	21
Beta BHC	0.0791	U	0.0258	0.0462	32.6	58.4	1	38.0-150	J6	J3	56.8	20
Delta BHC	0.0791	U	0.0289	0.0472	36.5	59.6	1	34.0-155		J3	48.1	21
Gamma BHC	0.0791	0.000826	0.0283	0.0487	35.7	61.6	1	38.0-153	J6	J3	53.1	21
4,4-DDD	0.0791	0.00204	0.0358	0.0529	42.6	64.2	1	22.0-160		J3	38.6	25
4,4-DDE	0.0791	0.00624	0.0395	0.0572	42.0	64.3	1	10.0-160		J3	36.7	27
4,4-DDT	0.0791	0.0227	0.0625	0.0976	50.3	94.6	1	10.0-160		J3	43.8	28
Dieldrin	0.0791	0.0548	0.0744	0.121	24.8	83.9	1	30.0-158	J6	J3	47.9	25
Endosulfan I	0.0791	U	0.0348	0.0491	44.0	62.0	1	31.0-155		J3	34.0	25
Endosulfan II	0.0791	U	0.0333	0.0526	42.0	66.5	1	32.0-156		J3	45.1	25
Endosulfan sulfate	0.0791	U	0.0367	0.0559	46.4	70.6	1	31.0-158		J3	41.3	24
Endrin	0.0791	U	0.0374	0.0512	47.3	64.7	1	30.0-149		J3	31.1	25
Endrin aldehyde	0.0791	U	0.0828	0.0588	105	74.3	1	20.0-157	P	J3	33.9	26
Endrin ketone	0.0791	U	0.0328	0.0555	41.4	70.1	1	32.0-154		J3	51.4	23
Heptachlor	0.0791	U	0.0345	0.0538	43.5	68.0	1	18.0-160		J3	43.9	23
Heptachlor epoxide	0.0791	U	0.0335	0.0474	42.3	59.9	1	31.0-154		J3	34.4	25
Hexachlorobenzene	0.0791	U	0.0304	0.0506	38.4	64.0	1	26.0-146		J3	49.9	21
Methoxychlor	0.0791	U	0.0398	0.0643	50.3	81.2	1	10.0-160		J3	47.0	27
(S) Decachlorobiphenyl					*45.3*	*73.0*		*10.0-148*				
(S) Tetrachloro-m-xylene					*42.3*	*64.7*		*21.0-146*				

Method Blank (MB)

(MB) R3332380-3 08/09/18 00:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aldrin	U		0.000233	0.0200
Alpha BHC	U		0.000193	0.0200
Beta BHC	U		0.000303	0.0200
Delta BHC	U		0.000151	0.0200
Gamma BHC	U		0.000245	0.0200
4,4-DDD	U		0.000164	0.0200
4,4-DDE	U		0.000165	0.0200
4,4-DDT	U		0.000266	0.0200
Dieldrin	U		0.0000890	0.00200
Endosulfan I	U		0.000214	0.0200
Endosulfan II	U		0.000230	0.0200
Endosulfan sulfate	U		0.000170	0.0200
Endrin	U		0.000219	0.0200
Endrin aldehyde	U		0.000242	0.0200
Endrin ketone	U		0.000159	0.0200
Heptachlor	U		0.000101	0.0200
Heptachlor epoxide	U		0.000378	0.0200
Hexachlorobenzene	U		0.000224	0.0200
Methoxychlor	U		0.000265	0.0200
Chlordane	U		0.0390	0.200
Toxaphene	U		0.0360	0.400
(S) Decachlorobiphenyl	*74.3*			*10.0-148*
(S) Tetrachloro-m-xylene	*75.2*			*21.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3332380-1 08/08/18 23:50 • (LCSD) R3332380-2 08/09/18 00:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Aldrin	0.0666	0.0541	0.0571	81.2	85.7	55.0-137			5.40	29
Alpha BHC	0.0666	0.0557	0.0592	83.6	88.9	55.0-136			6.09	28
Beta BHC	0.0666	0.0490	0.0520	73.6	78.1	53.0-133			5.94	28
Delta BHC	0.0666	0.0550	0.0592	82.6	88.9	53.0-139			7.36	29
Gamma BHC	0.0666	0.0539	0.0576	80.9	86.5	54.0-136			6.64	29
4,4-DDD	0.0666	0.0539	0.0558	80.9	83.8	51.0-141			3.46	29
4,4-DDE	0.0666	0.0531	0.0563	79.7	84.5	53.0-142			5.85	30
4,4-DDT	0.0666	0.0557	0.0581	83.6	87.2	47.0-143			4.22	30
Dieldrin	0.0666	0.0554	0.0554	83.2	83.2	54.0-141			0.000	29
Endosulfan I	0.0666	0.0530	0.0529	79.6	79.4	54.0-141			0.189	29

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3332380-1 08/08/18 23:50 • (LCSD) R3332380-2 08/09/18 00:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Endosulfan II	0.0666	0.0512	0.0526	76.9	79.0	53.0-140			2.70	28
Endosulfan sulfate	0.0666	0.0506	0.0532	76.0	79.9	52.0-141			5.01	29
Endrin	0.0666	0.0521	0.0564	78.2	84.7	52.0-137			7.93	29
Endrin aldehyde	0.0666	0.0426	0.0466	64.0	70.0	30.0-127			8.97	31
Endrin ketone	0.0666	0.0527	0.0539	79.1	80.9	51.0-139			2.25	28
Heptachlor	0.0666	0.0541	0.0574	81.2	86.2	53.0-144			5.92	29
Heptachlor epoxide	0.0666	0.0525	0.0560	78.8	84.1	54.0-137			6.45	28
Hexachlorobenzene	0.0666	0.0498	0.0531	74.8	79.7	50.0-135			6.41	28
Methoxychlor	0.0666	0.0506	0.0560	76.0	84.1	49.0-145			10.1	29
(S) Decachlorobiphenyl				*77.3*	*79.6*	*10.0-148*				
(S) Tetrachloro-m-xylene				*74.6*	*79.4*	*21.0-146*				

L1014498-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1014498-01 08/09/18 01:43 • (MS) R3332380-4 08/09/18 01:55 • (MSD) R3332380-5 08/09/18 02:08

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aldrin	0.0666	U	0.0580	0.0563	87.1	84.5	1	19.0-152			2.97	24
Alpha BHC	0.0666	U	0.0624	0.0630	93.7	94.6	1	39.0-152			0.957	21
Beta BHC	0.0666	U	0.0595	0.0553	89.3	83.0	1	38.0-150			7.32	20
Delta BHC	0.0666	U	0.0600	0.0609	90.1	91.4	1	34.0-155			1.49	21
Gamma BHC	0.0666	U	0.0605	0.0608	90.8	91.3	1	38.0-153			0.495	21
4,4-DDD	0.0666	U	0.0504	0.0523	75.7	78.5	1	22.0-160			3.70	25
4,4-DDE	0.0666	U	0.0552	0.0536	82.9	80.5	1	10.0-160			2.94	27
4,4-DDT	0.0666	U	0.0547	0.0548	82.1	82.3	1	10.0-160			0.183	28
Dieldrin	0.0666	U	0.0566	0.0558	85.0	83.8	1	30.0-158			1.42	25
Endosulfan I	0.0666	U	0.0542	0.0539	81.4	80.9	1	31.0-155			0.555	25
Endosulfan II	0.0666	U	0.0512	0.0530	76.9	79.6	1	32.0-156			3.45	25
Endosulfan sulfate	0.0666	U	0.0522	0.0551	78.4	82.7	1	31.0-158			5.41	24
Endrin	0.0666	U	0.0556	0.0575	83.5	86.3	1	30.0-149			3.36	25
Endrin aldehyde	0.0666	U	0.0507	0.0531	76.1	79.7	1	20.0-157			4.62	26
Endrin ketone	0.0666	U	0.0537	0.0552	80.6	82.9	1	32.0-154			2.75	23
Heptachlor	0.0666	U	0.0569	0.0561	85.4	84.2	1	18.0-160			1.42	23
Heptachlor epoxide	0.0666	U	0.0584	0.0555	87.7	83.3	1	31.0-154			5.09	25
Hexachlorobenzene	0.0666	U	0.0552	0.0546	82.9	82.0	1	26.0-146			1.09	21
Methoxychlor	0.0666	U	0.0605	0.0602	90.8	90.4	1	10.0-160			0.497	27
(S) Decachlorobiphenyl					*77.5*	*83.9*		*10.0-148*				
(S) Tetrachloro-m-xylene					*82.3*	*84.5*		*21.0-146*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P	RPD between the primary and confirmatory analysis exceeded 40%.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

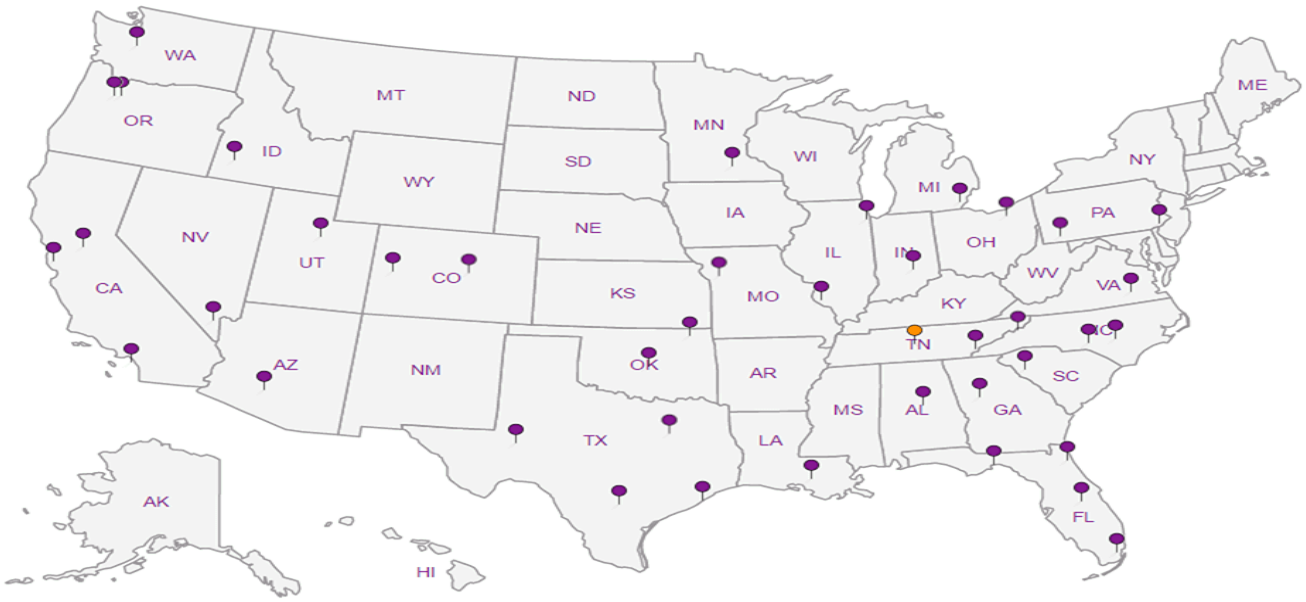
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



McCloskey Consultants Inc.

Billing Information:

Report to: Tom McCloskey / Chris Vertin

Email To:

Project Description: Mountain View High School

City/State Collected: Mountain View, CA

Phone: 925.786.2667 Fax:

Client Project #

Lab Project #

Collected by (print): Chris Vertin

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Pres Chk	OCPs (8081)	Arsenic	Lead
SS-1 @ 0-½'	Grab	SS	0-½	7/30/18	9:32	1		X	X	X
SS-2 @ 0-½'			0-½'		9:57					
SS-3 @ 0-½'			0-½		10:07					
SS-4 @ ½-1'			½-1'		9:52					
SS-5 @ 0-½'			0-½'		10:12					
SS-6 @ ½-1'			½-1'		10:21					

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L161437

E104

Acctnum: MCCCONDCA

Template:

Prelogin:

TSR:

PB:

Shipped Via:

Remarks	Sample # (lab only)
	-01
	02
	03
	04
	05
	06

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ____

Remarks:

pH ____ Temp ____

Flow ____ Other ____

Samples returned via:
__ UPS __ FedEx __ Courier __ ____

Tracking # 4430 3421 6588

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
4-05 MR/HR

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	8/1/18	0825	PACE
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
PACE	8/1/18	1600	FedEx
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)
			801

Trip Blank Received: Yes (No) HCL / MeoH TBR

Temp: 0.2°C Bottles Received: 6

Date: 8/2/18 Time: 8:45

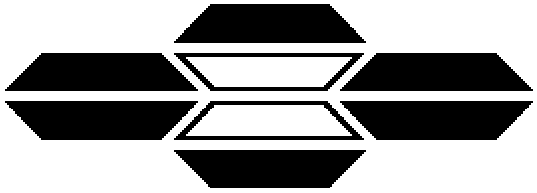
If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Appendix D

Laboratory Analytical Reports



ASBESTOS TEM LABORATORIES, INC.

CARB/EPA Quantitative Bulk Test Method
Transmission Electron Microscopy
Analytical Report

Laboratory Report # 367080

600 Bancroft Way, Ste. A
Berkeley, CA 94710
(510) 704-8930
FAX (510) 704-8429
www.asbestostemlabs.com

ASBESTOS TEM LABORATORIES, INC

Nov/12/2019

Tom McCloskey

McCloskey Consultants
420 Sycamore Valley Rd West
Danville, CA 94526

RE: LABORATORY REPORT # 367080
Transmission electron microscopy analytical results for 5 bulk material sample(s).
Job Site: Mountain View H.S
Job No.:

Please find below the results for the TEM analysis of one or more bulk material samples. The analytical procedures were performed according to the EPA Test Method For the Determination of Asbestos in Bulk Building Materials - TEM method (EPA 600/R-93/116) modified for quantitative bulk soil sample analysis. Prior to analysis, each sample was logged-in and all pertinent data was recorded. Each sample was checked for damage and disruption of any chain-of-custody seals. A unique laboratory number was assigned to each sample. A hard copy Log-In sheet was generated. This, and all other relevant paper work was kept with the sample throughout the analytical procedures to assure proper analysis.

Sample preparation followed a standard CARB 435 prep method. The entire sample was dried at 135-150 C and then crushed to ~3/8" gravel size. If the submitted sample was >~1 quart, the sample may have been split using a 1/2" riffle splitter following ASTM Method C-702-98 to reduce the sample volume for pulverization. The remaining aliquot, or entire original sample, was then pulverized in a Bico Braun disc pulverizer calibrated to produce a nominal 200 mesh final product. A representative ~60 mg aliquot of material was weighed out, and then placed into solution in a 500 ml beaker filled with distilled water. A known volume of the liquid suspension was filtered onto a 0.2 micron pore size Millipore mixed cellulose ester filter. The filter was then dried in HEPA filtered, Class 100 air on a clean bench. The filter was placed onto a glass microscope slide, sectioned, and collapsed in acetone. The collapsed filter was plasma-etched to remove 10% of the filter surface and then carbon coated. The carbon coated filter was sectioned and the sections placed onto 200-mesh copper TEM sample grids in dimethyl sulfoxide and acetone wick washers. After sufficient time to dissolve the filter material, the TEM sample grids were removed from the baths and placed into labeled sample containers.

TEM analysis was performed on a Philips CM-12 or JEOL 1200 transmission electron microscope operating at 80 or 100 kV. The sample was placed into the microscope where it was first scanned at low magnification to confirm that the distribution of material was reasonably homogeneous. High magnification analysis was performed using a two tier approach: 1) A relatively large area of several TEM grid openings for large asbestos fibers or fiber bundles, and 2) a relatively small area of a number of fields of view for individual asbestos fibers (fibrous particles exhibiting an aspect ratio greater than or equal to 3 to 1, and a length greater than or equal to .5 um). Detected asbestiform structures were subjected to detailed morphological and/or selected area diffraction analysis. If necessary, energy dispersive X-ray analysis was also performed. The length and width of each asbestos fiber was measured. From this data, a total volume and mass of asbestos observed in the scanned area is calculated, and extrapolated to a total weight percent asbestos for each sample.

Sincerely Yours,

Laboratory Manager

TRANSMISSION ELECTRON MICROSCOPY
ANALYTICAL REPORT

Contact:	Tom McCloskey	**REPORT NO.**	**367080**
Address:	McCloskey Consultants 420 Sycamore Valley Rd West Danville, CA 94526	Date:	Nov-12-19
		Date Received:	Nov-07-19
Job Site / No.	Mountain View H.S	Total Samples Analyzed:	5

Client Sample # NOA-1 @2-3'

Laboratory Sample # 1340-01460-001

SAMPLE DESCRIPTION

SAMPLE PREPARATION PARAMETERS

Weight of Material Suspended (mg):	59.55	Filter Type & Pore Size	MCE0.22um
Volume of Suspension Water (ml):	500	Effective Filter Area (sq.mm)	346
Volume of Suspension Filtered (ml):	0.5		

ASBESTOS STRUCTURES DETECTED IN SCAN AREA

CHRYSOTILE		AMPHIBOLE	
< 5 µm	≥ 5 µm	< 5 µm	≥ 5 µm
NSD	NSD	NSD	NSD

CALCULATED ASBESTOS CONCENTRATION (WEIGHT %)

CHRYSOTILE	AMPHIBOLE	TOTAL
<0.001	<0.001	<0.001

COMMENTS

No Asbestos Detected

Filter Loading: Moderate

SAED Photo ID Nos.

TEM / ANALYTICAL PARAMETERS

Grid Op. # Scanned For Large Fibers & Bundles	20	Grid Area (sq.mm)	0.0097	Bundle Scan Area (sq.mm)	0.194
Grid Op. # Scanned For Small Fibers & Bundles	20	Grid Area (sq.mm)	0.0097	Fiber Scan Area (sq.mm)	0.194
		Magnification:	18,000X		

NOTATION KEY

Chrys. - Chrysotile Asbestos
Amph. - Amphibole Asbestos
NSD - No Structures Detected
Non-Asb. - Non-Asbestos

1 um = 1 micron = 0.001 mm
1 mm = 1 millimeter
1 sq.mm = 1 square millimeter
1 cc = 1 cubic centimeter

Analyst Signature

Lab QC Reviewer Signature

ASBESTOS TEM LABORATORIES, INC.
www.asbestostemlabs.com

600 BANCROFT WAY, STE. A, BERKELEY, CA 94710 (510) 704-8930
With Offices in Reno, NV (775) 359-3377

TRANSMISSION ELECTRON MICROSCOPY
ANALYTICAL REPORT

Contact:	Tom McCloskey	**REPORT NO.**	**367080**
Address:	McCloskey Consultants 420 Sycamore Valley Rd West Danville, CA 94526	Date:	Nov-12-19
		Date Received:	Nov-07-19
Job Site / No.	Mountain View H.S	Total Samples Analyzed:	5

Client Sample # NOA-2 @1-2'

Laboratory Sample # 1340-01460-002

SAMPLE DESCRIPTION

SAMPLE PREPARATION PARAMETERS

Weight of Material Suspended (mg):	61.2	Filter Type & Pore Size	MCE0.22um
Volume of Suspension Water (ml):	500	Effective Filter Area (sq.mm)	346
Volume of Suspension Filtered (ml):	0.5		

ASBESTOS STRUCTURES DETECTED IN SCAN AREA

CHRYSOTILE		AMPHIBOLE	
< 5 µm	≥ 5 µm	< 5 µm	≥ 5 µm
NSD	NSD	NSD	NSD

CALCULATED ASBESTOS CONCENTRATION (WEIGHT %)

CHRYSOTILE	AMPHIBOLE	TOTAL
<0.001	<0.001	<0.001

COMMENTS

No Asbestos Detected

Filter Loading: Moderate

SAED Photo ID Nos.

TEM / ANALYTICAL PARAMETERS

Grid Op. # Scanned For Large Fibers & Bundles	20	Grid Area (sq.mm)	0.0097	Bundle Scan Area (sq.mm)	0.194
Grid Op. # Scanned For Small Fibers & Bundles	20	Grid Area (sq.mm)	0.0097	Fiber Scan Area (sq.mm)	0.194
		Magnification:	18,000X		

NOTATION KEY

Chrys. - Chrysotile Asbestos
Amph. - Amphibole Asbestos
NSD - No Structures Detected
Non-Asb. - Non-Asbestos

1 um = 1 micron = 0.001 mm
1 mm = 1 millimeter
1 sq.mm = 1 square millimeter
1 cc = 1 cubic centimeter

Analyst Signature

Lab QC Reviewer Signature

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www.asbestostemlabs.com

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With Offices in Reno, NV (775) 359-3377

TRANSMISSION ELECTRON MICROSCOPY
ANALYTICAL REPORT

Contact:	Tom McCloskey	**REPORT NO.**	**367080**
Address:	McCloskey Consultants 420 Sycamore Valley Rd West Danville, CA 94526	Date:	Nov-12-19
		Date Received:	Nov-07-19
Job Site / No.	Mountain View H.S	Total Samples Analyzed:	5

Client Sample # NOA-3 @0-1/2'

Laboratory Sample # 1340-01460-003

SAMPLE DESCRIPTION

SAMPLE PREPARATION PARAMETERS

Weight of Material Suspended (mg):	60.91	Filter Type & Pore Size	MCE0.22um
Volume of Suspension Water (ml):	500	Effective Filter Area (sq.mm)	346
Volume of Suspension Filtered (ml):	0.5		

ASBESTOS STRUCTURES DETECTED IN SCAN AREA

CHRYSOTILE		AMPHIBOLE	
< 5 µm	≥ 5 µm	< 5 µm	≥ 5 µm
7	NSD	NSD	NSD

CALCULATED ASBESTOS CONCENTRATION (WEIGHT %)

CHRYSOTILE	AMPHIBOLE	TOTAL
0.001	<0.001	0.001

COMMENTS

Chrysotile Asbestos Detected

Filter Loading: Moderate

SAED Photo ID Nos.

TEM / ANALYTICAL PARAMETERS

Grid Op. # Scanned For Large Fibers & Bundles	20	Grid Area (sq.mm)	0.0097	Bundle Scan Area (sq.mm)	0.194
Grid Op. # Scanned For Small Fibers & Bundles	20	Grid Area (sq.mm)	0.0097	Fiber Scan Area (sq.mm)	0.194
		Magnification:	18,000X		

NOTATION KEY

Chrys. - Chrysotile Asbestos
Amph. - Amphibole Asbestos
NSD - No Structures Detected
Non-Asb. - Non-Asbestos

1 um = 1 micron = 0.001 mm
1 mm = 1 millimeter
1 sq.mm = 1 square millimeter
1 cc = 1 cubic centimeter

Analyst Signature

Lab QC Reviewer Signature

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With Offices in Reno, NV (775) 359-3377

TRANSMISSION ELECTRON MICROSCOPY
ANALYTICAL REPORT

Contact:	Tom McCloskey	**REPORT NO.**	**367080**
Address:	McCloskey Consultants 420 Sycamore Valley Rd West Danville, CA 94526	Date:	Nov-12-19
		Date Received:	Nov-07-19
Job Site / No.	Mountain View H.S	Total Samples Analyzed:	5

Client Sample # NOA-4 @0-1/2'

Laboratory Sample # 1340-01460-004

SAMPLE DESCRIPTION

SAMPLE PREPARATION PARAMETERS

Weight of Material Suspended (mg):	60.38	Filter Type & Pore Size	MCE0.22um
Volume of Suspension Water (ml):	500	Effective Filter Area (sq.mm)	346
Volume of Suspension Filtered (ml):	0.5		

ASBESTOS STRUCTURES DETECTED IN SCAN AREA

CHRYSOTILE		AMPHIBOLE	
< 5 µm	≥ 5 µm	< 5 µm	≥ 5 µm
13	1	NSD	NSD

CALCULATED ASBESTOS CONCENTRATION (WEIGHT %)

CHRYSOTILE	AMPHIBOLE	TOTAL
0.002	<0.001	0.002

COMMENTS

Chrysotile Asbestos Detected

Filter Loading: Moderate

SAED Photo ID Nos.

TEM / ANALYTICAL PARAMETERS

Grid Op. # Scanned For Large Fibers & Bundles	20	Grid Area (sq.mm)	0.0097	Bundle Scan Area (sq.mm)	0.194
Grid Op. # Scanned For Small Fibers & Bundles	20	Grid Area (sq.mm)	0.0097	Fiber Scan Area (sq.mm)	0.194
		Magnification:	18,000X		

NOTATION KEY

Chrys. - Chrysotile Asbestos
Amph. - Amphibole Asbestos
NSD - No Structures Detected
Non-Asb. - Non-Asbestos

1 um = 1 micron = 0.001 mm
1 mm = 1 millimeter
1 sq.mm = 1 square millimeter
1 cc = 1 cubic centimeter

Analyst Signature

Lab QC Reviewer Signature

ASBESTOS TEM LABORATORIES, INC.
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With Offices in Reno, NV (775) 359-3377

TRANSMISSION ELECTRON MICROSCOPY
ANALYTICAL REPORT

Contact:	Tom McCloskey	**REPORT NO.**	**367080**
Address:	McCloskey Consultants 420 Sycamore Valley Rd West Danville, CA 94526	Date:	Nov-12-19
		Date Received:	Nov-07-19
Job Site / No.	Mountain View H.S	Total Samples Analyzed:	5

Client Sample # NOA-5 @0-1/2'

Laboratory Sample # 1340-01460-005

SAMPLE DESCRIPTION

SAMPLE PREPARATION PARAMETERS

Weight of Material Suspended (mg):	60.61	Filter Type & Pore Size	MCE0.22um
Volume of Suspension Water (ml):	500	Effective Filter Area (sq.mm)	346
Volume of Suspension Filtered (ml):	0.5		

ASBESTOS STRUCTURES DETECTED IN SCAN AREA

CHRYSOTILE		AMPHIBOLE	
< 5 µm	≥ 5 µm	< 5 µm	≥ 5 µm
18	1	NSD	NSD

CALCULATED ASBESTOS CONCENTRATION (WEIGHT %)

CHRYSOTILE	AMPHIBOLE	TOTAL
0.025	<0.001	0.025

COMMENTS

Chrysotile Asbestos Detected

Filter Loading: Moderate

SAED Photo ID Nos.

TEM / ANALYTICAL PARAMETERS

Grid Op. # Scanned For Large Fibers & Bundles	20	Grid Area (sq.mm)	0.0097	Bundle Scan Area (sq.mm)	0.194
Grid Op. # Scanned For Small Fibers & Bundles	20	Grid Area (sq.mm)	0.0097	Fiber Scan Area (sq.mm)	0.194
		Magnification:	18,000X		

NOTATION KEY

Chrys. - Chrysotile Asbestos
Amph. - Amphibole Asbestos
NSD - No Structures Detected
Non-Asb. - Non-Asbestos

1 um = 1 micron = 0.001 mm
1 mm = 1 millimeter
1 sq.mm = 1 square millimeter
1 cc = 1 cubic centimeter

Analyst Signature

Lab QC Reviewer Signature

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600 BANCROFT WAY, STE. A, BERKELEY, CA 94710 (510) 704-8930
With Offices in Reno, NV (775) 359-3377

367080

ASBESTOS TEM LABORATORIES CHAIN OF CUSTODY

CALIFORNIA: 600 Bancroft Way, Suite A, Berkeley, CA 94710 Phone (510) 704-8930 Fax (510) 704-8429
NEVADA: 1350 Freeport Blvd. #104, Sparks, NV 89431 Phone (775) 359-3377 Fax (775) 359-2798
You may also email this chain of custody to coc@asbestostemlabs.com ***** denotes required field**

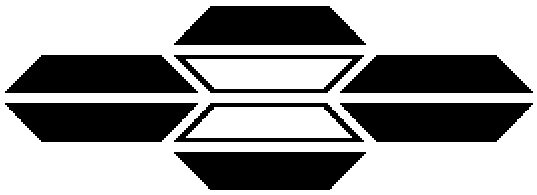
Company: McCloskey Consulting Inc.	Contact:* Tim McCloskey /	Phone:* 925 786 2667	Email:* tim.mccloskey + Chris Vertin
Address:* 420 Sycamore Valley Rd west	City:* Danville	State:* CA Zip: 94526	Email:
Job Site:* Mountain View H.S.	Job #:	PO #:	Email:

Reporting *	☐ Email	☐ Phone	☐ Fax	☐ Mail	☐ FTP	☐ Pickup	**Billing**	☐ Fax	☐ Email	☐ Mail	☐ Pre-Paid	☐ On Receipt:	☐ 3rd Party
Results Due:*	☐ 2 HR	☐ 4 HR	☐ 6 HR	☐ 8 HR	☐ 24 HR	☐ 48 HR	☒ 3 DAY	☐ 4 DAY	☐ 5 DAY	☐ 10 DAY	☐ Hold Samples	☐ *After Hours:* ** _____	*see below*
Asbestos Air	☐ PCM (NIOSH 7400A	☐ TEM AHERA	☐ TEM CARB Mod. AHERA	☐ TEM EPA Yamate Level II	☐ TEM NIOSH 7402	☐ ISO 10312	☐ ISO 13794						
Asbestos Bulk	☐ PLM Standard (EPA 600/R-93-1)	☐ PLM 400 PC	☐ PLM 1000 PC	☐ PLM 400 PC Grav. Red.	☐ PLM 1000 PC Grav. Red.	☐ TEM EPA Qualitative	☐ TEM EPA Quantitative						
	☐ TEM Chatfield (Semi-Quant)	☐ PREP ONLY	☐ Custom Analysis: **										
Asbestos Soils	☐ CARB 435 Prep Only	☐ CARB 435 PLM 400 PC	☐ CARB 435 PLM 1000 PC	☐ EPA Soil Screening Qualitative	☒ TEM EPA/CARB Quantitative								
Asbestos Dust	☐ ASTM D-5755 Fiber Count	☐ ASTM D-5756 Wt. %	☐ ASTM D-5756 Mass	☐ ASTM D-6480-99 Dust Wipe	☐ Total Particulates (Grav.)								
Asbestos Water	☐ 100.2 Potable Drinking Water	☐ 100.1 Non Potable Water	☐ REPORT TO STATE: EDT # _____										
Lead/Silica	☐ Lead Paint Chips	☐ Lead Dust Wipe	☐ Lead Air Cassette	☐ Lead Soil	☐ Silica Dust Airborne by NIOSH 7500	☐ Crystalline Silica (Single Species)	☐ Silica Dust Bulk by NIOSH 7500	☐ Crystalline Silica in Bulk (Single Species)					
Sample Storage	☐ No Test, Hold Until: _____	☐ Test AND Hold Until: _____ *All samples will be held for 3 months from the date of receipt at ATEM. Additional sample storage time may be obtained through ATEM Customer Service*											
Custom Order	☐ Sensitivity: _____	☐ Composite	**8 Hour TWA** ☐	**Special Instructions:**									
REANALYSIS	Original Login/Lot # _____/_____	New Analysis Type: _____	TAT: _____	Special Instructions: _____									

Sample # *	Sample Type	Date Collected	Time On	Time Off	Total Time (min)	Flow Rate (lpm) On	Flow Rate (lpm) Off	Flow Rate (lpm) Average	Volume or Area Sampled	Hold Sample	Description *
NOA-1 @ 2-3'	Soils	11.7.19	11:11							☐	
NOA-2 @ 1-2'	"	"	11:18							☐	
NOA-3 @ 0-½'	"	"	11:23							☐	
NOA-4 @ 0-½'	"	"	11:34							☐	
NOA-5 @ 0-½'	"	"	11:47							☐	
										☐	
										☐	
										☐	
										☐	
										☐	
										☐	

Submitted By *	**Received By** MB
Date/Time Submitted * 11/7/19 13:40	**Date/Time Received**
Submitted By	**Received By**
Date/Time Submitted	**Date/Time Received**

*** Any special instructions, RUSH results or Custom Analysis, you must clarify these specifications AND, of more importance, contact us here at ATEM ahead of time to manage scheduling to meet your requests. Drop off and processing of samples after hours cannot be accommodated without proper notification from you, and confirmation by ATEM staff.*



ASBESTOS TEM LABORATORIES, INC.

CARB/EPA Quantitative Bulk Test Method
Transmission Electron Microscopy
Analytical Report

Laboratory Report # 371505

3431 Ettie St.
Oakland, CA 94608
(510) 704-8930
FAX (510) 704-8429
www.asbestostemlabs.com

ASBESTOS TEM LABORATORIES, INC

Dec/09/2020

Tom McCloskey/Chris

McCloskey Consultants
420 Sycamore Valley Rd West
Danville, CA 94526

RE: LABORATORY REPORT # 371505
Transmission electron microscopy analytical results for 6 bulk material sample(s).
Job Site: MVHS PEA Sampling
Job No.:

Please find below the results for the TEM analysis of one or more bulk material samples. The analytical procedures were performed according to the EPA Test Method For the Determination of Asbestos in Bulk Building Materials - TEM method (EPA 600/R-93/116) modified for quantitative bulk soil sample analysis. Prior to analysis, each sample was logged-in and all pertinent data was recorded. Each sample was checked for damage and disruption of any chain-of-custody seals. A unique laboratory number was assigned to each sample. A hard copy Log-In sheet was generated. This, and all other relevant paper work was kept with the sample throughout the analytical procedures to assure proper analysis.

Sample preparation followed a standard CARB 435 prep method. The entire sample was dried at 135-150 C and then crushed to ~3/8" gravel size. If the submitted sample was >~1 quart, the sample may have been split using a 1/2" riffle splitter following ASTM Method C-702-98 to reduce the sample volume for pulverization. The remaining aliquot, or entire original sample, was then pulverized in a Bico Braun disc pulverizer calibrated to produce a nominal 200 mesh final product. A representative ~60 mg aliquot of material was weighed out, and then placed into solution in a 500 ml beaker filled with distilled water. A known volume of the liquid suspension was filtered onto a 0.2 micron pore size Millipore mixed cellulose ester filter. The filter was then dried in HEPA filtered, Class 100 air on a clean bench. The filter was placed onto a glass microscope slide, sectioned, and collapsed in acetone. The collapsed filter was plasma-etched to remove 10% of the filter surface and then carbon coated. The carbon coated filter was sectioned and the sections placed onto 200-mesh copper TEM sample grids in dimethyl sulfoxide and acetone wick washers. After sufficient time to dissolve the filter material, the TEM sample grids were removed from the baths and placed into labeled sample containers.

TEM analysis was performed on a Philips CM-12 or JEOL 1200 transmission electron microscope operating at 80 or 100 kV. The sample was placed into the microscope where it was first scanned at low magnification to confirm that the distribution of material was reasonably homogeneous. High magnification analysis was performed using a two tier approach: 1) A relatively large area of several TEM grid openings for large asbestos fibers or fiber bundles, and 2) a relatively small area of a number of fields of view for individual asbestos fibers (fibrous particles exhibiting an aspect ratio greater than or equal to 3 to 1, and a length greater than or equal to .5 um). Detected asbestiform structures were subjected to detailed morphological and/or selected area diffraction analysis. If necessary, energy dispersive X-ray analysis was also performed. The length and width of each asbestos fiber was measured. From this data, a total volume and mass of asbestos observed in the scanned area is calculated, and extrapolated to a total weight percent asbestos for each sample.

Sincerely Yours,

Laboratory Manager

Disclaimer - These results relate only to the samples tested as received and must not be reproduced, except in full, with the approval of the laboratory. Incorrect or illegible information supplied by the customer may adversely affect the validity of test results.

TRANSMISSION ELECTRON MICROSCOPY
ANALYTICAL REPORT

Contact:	Tom McCloskey/Chris	**REPORT NO.**	**371505**
Address:	McCloskey Consultants 420 Sycamore Valley Rd West Danville, CA 94526	Date:	Dec-09-20
		Date Received:	Dec-02-20
Job Site / No.	MVHS PEA Sampling	Total Samples Analyzed:	6

Client Sample # NOA-6@0-3'

Laboratory Sample # 1340-01716-001

SAMPLE DESCRIPTION

SAMPLE PREPARATION PARAMETERS

Weight of Material Suspended (mg):	61.6	Filter Type & Pore Size	MCE0.22um
Volume of Suspension Water (ml):	500	Effective Filter Area (sq.mm)	346
Volume of Suspension Filtered (ml):	0.5		

ASBESTOS STRUCTURES DETECTED IN SCAN AREA

CHRYSOTILE		AMPHIBOLE	
< 5 µm	≥ 5 µm	< 5 µm	≥ 5 µm
22	1	1	NSD

CALCULATED ASBESTOS CONCENTRATION (WEIGHT %)

CHRYSOTILE	AMPHIBOLE	TOTAL
0.018	0.018	0.036

COMMENTS

Chrysotile and Regulated Amphibole (1 Actinolite) Asbestos Detected.

Filter Loading: Moderate

TEM / ANALYTICAL PARAMETERS

Grid Op. # Scanned For Large Fibers & Bundles	20	Grid Area (sq.mm)	0.0093	Bundle Scan Area (sq.mm)	0.186
Grid Op. # Scanned For Small Fibers & Bundles	5	Grid Area (sq.mm)	0.0093	Fiber Scan Area (sq.mm)	0.0465
		Magnification:	20,000X		

NOTATION KEY

Chrys. - Chrysotile Asbestos
Amph. - Amphibole Asbestos
NSD - No Structures Detected
Non-Asb. - Non-Asbestos

1 um = 1 micron = 0.001 mm
1 mm = 1 millimeter
1 sq.mm = 1 square millimeter
1 cc = 1 cubic centimeter

Analyst Signature

Clara Dingman

Lab QC Reviewer Signature

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With Offices in Reno, NV (775) 359-3377
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TRANSMISSION ELECTRON MICROSCOPY
ANALYTICAL REPORT

Contact:	Tom McCloskey/Chris	**REPORT NO.**	**371505**
Address:	McCloskey Consultants 420 Sycamore Valley Rd West Danville, CA 94526	Date:	Dec-09-20
		Date Received:	Dec-02-20
Job Site / No.	MVHS PEA Sampling	Total Samples Analyzed:	6

Client Sample # NOA-6@6-7'

Laboratory Sample # 1340-01716-002

SAMPLE DESCRIPTION

SAMPLE PREPARATION PARAMETERS

Weight of Material Suspended (mg):	59.8	Filter Type & Pore Size	MCE0.22um
Volume of Suspension Water (ml):	500	Effective Filter Area (sq.mm)	346
Volume of Suspension Filtered (ml):	0.5		

ASBESTOS STRUCTURES DETECTED IN SCAN AREA

CHRYSOTILE		AMPHIBOLE	
< 5 µm	≥ 5 µm	< 5 µm	≥ 5 µm
10	NSD	2	NSD

CALCULATED ASBESTOS CONCENTRATION (WEIGHT %)

CHRYSOTILE	AMPHIBOLE	TOTAL
0.005	0.001	0.006

COMMENTS

Chrysotile, Regulated Amphibole (1 Actinolite) and and Non-Regulated Amphibole (1 Hornblende) Asbestos Detected

Filter Loading: Moderate

TEM / ANALYTICAL PARAMETERS

Grid Op. # Scanned For Large Fibers & Bundles	20	Grid Area (sq.mm)	0.0093	Bundle Scan Area (sq.mm)	0.186
Grid Op. # Scanned For Small Fibers & Bundles	5	Grid Area (sq.mm)	0.0093	Fiber Scan Area (sq.mm)	0.0465
		Magnification:	20,000X		

NOTATION KEY

Chrys. - Chrysotile Asbestos
Amph. - Amphibole Asbestos
NSD - No Structures Detected
Non-Asb. - Non-Asbestos

1 um = 1 micron = 0.001 mm
1 mm = 1 millimeter
1 sq.mm = 1 square millimeter
1 cc = 1 cubic centimeter

Analyst Signature

Clara Pingman

Lab QC Reviewer Signature

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TRANSMISSION ELECTRON MICROSCOPY
ANALYTICAL REPORT

Contact:	Tom McCloskey/Chris	**REPORT NO.**	**371505**
Address:	McCloskey Consultants 420 Sycamore Valley Rd West Danville, CA 94526	Date:	Dec-09-20
		Date Received:	Dec-02-20
Job Site / No.	MVHS PEA Sampling	Total Samples Analyzed:	6

Client Sample # NOA-7@0-3'

Laboratory Sample # 1340-01716-003

SAMPLE DESCRIPTION

SAMPLE PREPARATION PARAMETERS

Weight of Material Suspended (mg):	59.7	Filter Type & Pore Size	MCE0.22um
Volume of Suspension Water (ml):	500	Effective Filter Area (sq.mm)	346
Volume of Suspension Filtered (ml):	0.5		

ASBESTOS STRUCTURES DETECTED IN SCAN AREA

CHRYSOTILE		AMPHIBOLE	
< 5 µm	≥ 5 µm	< 5 µm	≥ 5 µm
10	NSD	2	1

CALCULATED ASBESTOS CONCENTRATION (WEIGHT %)

CHRYSOTILE	AMPHIBOLE	TOTAL
0.003	0.064	0.067

COMMENTS

Chrysotile, Regulated Amphibole (2 Actinolite) and and Non-Regulated Amphibole (1 Hornblende) Asbestos Detected

Filter Loading: Moderate

TEM / ANALYTICAL PARAMETERS

Grid Op. # Scanned For Large Fibers & Bundles	20	Grid Area (sq.mm)	0.0093	Bundle Scan Area (sq.mm)	0.186
Grid Op. # Scanned For Small Fibers & Bundles	5	Grid Area (sq.mm)	0.0093	Fiber Scan Area (sq.mm)	0.0465
		Magnification:	20,000X		

NOTATION KEY

Chrys. - Chrysotile Asbestos
Amph. - Amphibole Asbestos
NSD - No Structures Detected
Non-Asb. - Non-Asbestos

1 um = 1 micron = 0.001 mm
1 mm = 1 millimeter
1 sq.mm = 1 square millimeter
1 cc = 1 cubic centimeter

Analyst Signature

Lab QC Reviewer Signature

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TRANSMISSION ELECTRON MICROSCOPY
ANALYTICAL REPORT

Contact:	Tom McCloskey/Chris	**REPORT NO.**	**371505**
Address:	McCloskey Consultants 420 Sycamore Valley Rd West Danville, CA 94526	Date:	Dec-09-20
		Date Received:	Dec-02-20
Job Site / No.	MVHS PEA Sampling	Total Samples Analyzed:	6

Client Sample # NOA-7@6-7'

Laboratory Sample # 1340-01716-004

SAMPLE DESCRIPTION

SAMPLE PREPARATION PARAMETERS

Weight of Material Suspended (mg):	62.6	Filter Type & Pore Size	MCE0.22um
Volume of Suspension Water (ml):	500	Effective Filter Area (sq.mm)	346
Volume of Suspension Filtered (ml):	0.5		

ASBESTOS STRUCTURES DETECTED IN SCAN AREA

CHRYSOTILE		AMPHIBOLE	
< 5 µm	≥ 5 µm	< 5 µm	≥ 5 µm
20	2	6	2

CALCULATED ASBESTOS CONCENTRATION (WEIGHT %)

CHRYSOTILE	AMPHIBOLE	TOTAL
0.247	0.058	0.305

COMMENTS

Chrysotile, Regulated Amphibole (4 Actinolite) and and Non-Regulated Amphibole (4 Hornblende) Asbestos Detected

Filter Loading: Moderate

TEM / ANALYTICAL PARAMETERS

Grid Op. # Scanned For Large Fibers & Bundles	20	Grid Area (sq.mm)	0.0093	Bundle Scan Area (sq.mm)	0.186
Grid Op. # Scanned For Small Fibers & Bundles	5	Grid Area (sq.mm)	0.0093	Fiber Scan Area (sq.mm)	0.0465
		Magnification:	20,000X		

NOTATION KEY

Chrys. - Chrysotile Asbestos
Amph. - Amphibole Asbestos
NSD - No Structures Detected
Non-Asb. - Non-Asbestos

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1 mm = 1 millimeter
1 sq.mm = 1 square millimeter
1 cc = 1 cubic centimeter

Analyst Signature

Lab QC Reviewer Signature

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TRANSMISSION ELECTRON MICROSCOPY
ANALYTICAL REPORT

Contact:	Tom McCloskey/Chris	**REPORT NO.**	**371505**
Address:	McCloskey Consultants 420 Sycamore Valley Rd West Danville, CA 94526	Date:	Dec-09-20
		Date Received:	Dec-02-20
Job Site / No.	MVHS PEA Sampling	Total Samples Analyzed:	6

Client Sample # NOA-8@0-3'

Laboratory Sample # 1340-01716-005

SAMPLE DESCRIPTION

SAMPLE PREPARATION PARAMETERS

Weight of Material Suspended (mg):	59.7	Filter Type & Pore Size	MCE0.22um
Volume of Suspension Water (ml):	500	Effective Filter Area (sq.mm)	346
Volume of Suspension Filtered (ml):	0.5		

ASBESTOS STRUCTURES DETECTED IN SCAN AREA

CHRYSOTILE		AMPHIBOLE	
< 5 µm	≥ 5 µm	< 5 µm	≥ 5 µm
41	2	1	NSD

CALCULATED ASBESTOS CONCENTRATION (WEIGHT %)

CHRYSOTILE	AMPHIBOLE	TOTAL
0.081	0.036	0.117

COMMENTS

Chrysotile and Regulated Amphibole (1 Actinolite) Asbestos Detected

Filter Loading: Moderate

TEM / ANALYTICAL PARAMETERS

Grid Op. # Scanned For Large Fibers & Bundles	20	Grid Area (sq.mm)	0.0093	Bundle Scan Area (sq.mm)	0.186
Grid Op. # Scanned For Small Fibers & Bundles	5	Grid Area (sq.mm)	0.0093	Fiber Scan Area (sq.mm)	0.0465
		Magnification:	20,000X		

NOTATION KEY

Chrys. - Chrysotile Asbestos
Amph. - Amphibole Asbestos
NSD - No Structures Detected
Non-Asb. - Non-Asbestos

1 um = 1 micron = 0.001 mm
1 mm = 1 millimeter
1 sq.mm = 1 square millimeter
1 cc = 1 cubic centimeter

Analyst Signature

Lab QC Reviewer Signature

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TRANSMISSION ELECTRON MICROSCOPY
ANALYTICAL REPORT

Contact:	Tom McCloskey/Chris	**REPORT NO.**	**371505**
Address:	McCloskey Consultants 420 Sycamore Valley Rd West Danville, CA 94526	Date:	Dec-09-20
		Date Received:	Dec-02-20
Job Site / No.	MVHS PEA Sampling	Total Samples Analyzed:	6

Client Sample # NOA-8@6-8'

Laboratory Sample # 1340-01716-006

SAMPLE DESCRIPTION

SAMPLE PREPARATION PARAMETERS

Weight of Material Suspended (mg):	61.2	Filter Type & Pore Size	MCE0.22um
Volume of Suspension Water (ml):	500	Effective Filter Area (sq.mm)	346
Volume of Suspension Filtered (ml):	0.5		

ASBESTOS STRUCTURES DETECTED IN SCAN AREA

CHRYSOTILE		AMPHIBOLE	
< 5 µm	≥ 5 µm	< 5 µm	≥ 5 µm
55	2	2	NSD

CALCULATED ASBESTOS CONCENTRATION (WEIGHT %)

CHRYSOTILE	AMPHIBOLE	TOTAL
0.033	0.002	0.035

COMMENTS

Chrysotile and Regulated Amphibole (2 Actinolite) Asbestos Detected

Filter Loading: Moderate

TEM / ANALYTICAL PARAMETERS

Grid Op. # Scanned For Large Fibers & Bundles	20	Grid Area (sq.mm)	0.0093	Bundle Scan Area (sq.mm)	0.186
Grid Op. # Scanned For Small Fibers & Bundles	5	Grid Area (sq.mm)	0.0093	Fiber Scan Area (sq.mm)	0.0465
		Magnification:	20,000X		

NOTATION KEY

Chrys. - Chrysotile Asbestos
Amph. - Amphibole Asbestos
NSD - No Structures Detected
Non-Asb. - Non-Asbestos

1 um = 1 micron = 0.001 mm
1 mm = 1 millimeter
1 sq.mm = 1 square millimeter
1 cc = 1 cubic centimeter

Analyst Signature

Lab QC Reviewer Signature

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ASBESTOS TEM LABORATORIES CHAIN OF CUSTODY

CALIFORNIA: 3431 Ettie Street Oakland, CA 94608 Phone (510) 704-8930 Fax (510) 704-8429
NEVADA: 1350 Freeport Blvd. #104, Sparks, NV 89431 Phone (775) 359-3377 Fax (775) 359-2798
You may also email this chain of custody to coc@asbestostemlabs.com **** denotes required field***

Company: McCloskey Consultants Inc	Contact:* Tom McCloskey / Chris Vertin	Phone: * 925 786.2667	Email: * Tom McCloskey + Chris Vertin
Address: * 420 Sycamore Valley Rd West	City: * Danville	State: *CA Zip: 94526	Email:
Job Site:* MVHS PEA Sampling	Job #:	PO #:	Email:

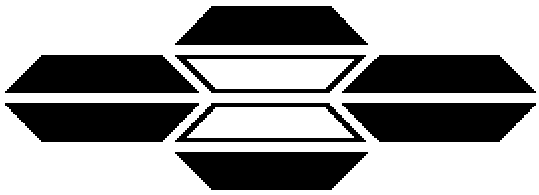
Reporting *	☐ Email	☐ Phone	☐ Fax	☐ Mail	☐ Pickup	**Billing**	☐ Email	☐ Fax	☐ Mail	☐ Pre-Paid	Billing Email :
Results Due:*	☐ 2 HR	☐ 4 HR	☐ 6 HR	☐ 8 HR	☐ 24 HR	☐ 48 HR	☐ 3 DAY	☒ 5 DAY	☐ 10 DAY	☐ Hold Samples (Until _____)	☐ *After Hours:* ** _____
Asbestos Air	☐ PCM NIOSH 7400 ☐ A ☐ B	☐ TEM AHERA	☐ TEM CARB Mod. AHERA	☐ TEM EPA Yamate Level II	☐ TEM NIOSH 7402	☐ ISO 10312	☐ ISO 13794	☐ Sensitivity _____			
Asbestos Bulk	☐ PLM Standard (EPA 600/R-93-1)	☐ PLM 400 Point Count	☐ PLM 1000 PC	☐ PLM 400 PC Gravimetric Reduction	☐ PLM 1000 PC Grav. Red.	☐ TEM EPA Qualitative	☐ TEM EPA Quantitative				
Asbestos Soils	☐ CARB 435 Prep Only	CARB 435 PLM ☐ 400 PC ☐ 800 PC ☐ 100 PC ☐ 1200 PC	☐ EPA Soil Screening Qualitative	☒ TEM-NOA EPA/CARB Quantitative	☐ Erionite						
Asbestos Dust	☐ ASTM D-5755 Fiber Count	☐ ASTM D-5756 Wt. %	☐ ASTM D-5756 Mass	☐ ASTM D-6480 Dust Wipe	☐ Total Particulates (Gravimetric)						
Asbestos Water	☐ 100.2 Potable Drinking Water	☐ 100.1 Non Potable Water	***note that 100.2 will be used for all water samples unless otherwise requested***								
Lead/Silica	☐ Lead Paint Chips EPA-SW-846 7000B	☐ Lead Dust Wipe EPA-SW-846 7000B	☐ Lead Air NIOSH 7082	☐ Lead Soil EPA-SW-845 7000B	Crystalline Silica Air (NIOSH 7500) ☐ Single Species ☐ All Species	Crystalline Silica in Bulk (NIOSH 7500) ☐ Single Species ☐ All Species	Respirable Crystalline Silica in Bulk (NIOSH 7500) ☐ Single Species ☐ All Species				
Custom/Other	☐ **Custom Analysis** **	☐ TEM Chatfield (Semi-Quant)	☐ NIOSH 0500	☐ NIOSH 0600	☐ TTLC	☐ STLC	☐ TCLP				
Special Instruct.	☐ Composite	☐ Prep Only	☐ 8 Hour TWA	Other **							

Sample # *	Sample Type	Date Collected	Time On	Time Off	Total Time (min)	Flow Rate (lpm) On	Flow Rate (lpm) Off	Flow Rate (lpm) Average	Volume or Area Sampled	Hold Sample	Description *
NOA-6@0-3' Soil		11.24.20	13:00							☐	
NOA-6@6-7' Soil		11.24.20	12:57							☐	
NOA-7@0-3' Soil		"	14:18							☐	
NOA-7@6-7' Soil		"	14:20							☐	
NOA-8@0-3' Soil		"	12:01							☐	
NOA-8@6-8' Soil		"	11:55							☐	
										☐	
										☐	
										☐	
										☐	
										☐	

Submitted By *	**Received By**
Date/Time Submitted * 12.7.20	**Date/Time Received**
Submitted By	**Received By**
Date/Time Submitted	**Date/Time Received**

DEC2 '20 12:22PM

*** For any special instructions, RUSH results or Custom Analysis, you must clarify these specifications AND, of more importance, contact us here at ATEM ahead of time to manage scheduling to meet your requests. **This includes dropping off samples for rush, same day analysis.** Drop off and processing of samples after hours cannot be accommodated without proper notification from you, and confirmation by ATEM staff. All samples will be held for 3 months from the date of receipt at ATEM. Additional sample storage time may be obtained through ATEM Customer Service.*



ASBESTOS TEM LABORATORIES, INC.

CARB Method 435
Polarized Light Microscopy
Analytical Report

Laboratory Job # 1340-01757

3431 Ettie St.
Oakland, CA 94608
(510) 704-8930
FAX (510) 704-8429

ASBESTOS TEM LABORATORIES, INC

CA DPH ELAP
Lab No. 1866

NVLAP Lab Code: 101891-0
Oakland, CA

Feb/05/2021

Tom McCloskey/Chris
McCloskey Consultants
420 Sycamore Valley Rd West
Danville, CA 94526

RE: LABORATORY JOB # 1340-01757
Polarized light microscopy analytical results for 3 bulk sample(s).
Job Site:
Job No.: MVHS PEA Sampling

Enclosed please find the bulk material analytical results for one or more samples submitted for asbestos analysis. The analyses were performed in accordance with the California Air Resources Board (ARB) Method 435 for the determination of asbestos in serpentine aggregate samples.

Prior to analysis, samples are logged-in and all data pertinent to the sample recorded. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper analysis.

Sample preparation follows a standard CARB 435 prep method. The entire sample is dried at 135-150 C and then crushed to ~3/8" gravel size using a Bico Chipmunk crusher. If the submitted sample is >1 pint, the sample was split using a 1/2" riffle splitter following ASTM Method C-702-98 to obtain a 1 pint aliquot. The entire 1 pint aliquot, or entire original sample, is then pulverized in a Bico Braun disc pulverizer calibrated to produce a nominal 200 mesh final product. If necessary, additional homogenization steps are undertaken using a 3/8" riffle splitter. Small aliquots are collected from throughout the pulverized material to create three separate microsope slide mounts containing the appropriate refractive index oil. The prepared slides are placed under a polarizing light microscope where standard mineralogical techniques are used to analyze the various materials present, including asbestos. If asbestos is identified and of less than 10% concentration by visual area estimate then an additional five sample mounts are prepared. Quantification of asbestos concentration is obtained using the standard CAL ARB Method 435 point count protocol. For samples observed to contain visible asbestos of less than 10% concentration, a point counting techinique is used with 50 points counted on each of eight sample mounts for a total of 400 points. The data is then compiled into standard report format and subjected to a thorough quality assurance check before the information is released to the client.

While the CARB 435 method has much to commend it, there are a number of situations where it fails to provide sufficient accuracy to make a definitive determination of the presence/absence of asbestos and/or an accurate count of the asbestos concentration present in a given sample. These problems include, but are not limited to, 1) statistical uncertainty with samples containing <1% asbestos when too few particles are counted, 2) definitive identification and discrimination between various fibrous amphibole minerals such as tremolite/actinolite/hornblende and the "Libby amphiboles" such as tremolite/winchite/richterite/arfvedsonite, and C) small asbestiform fibers which are near or below the resolution limit of the PLM microscope such as those found in various California coast range serpentine bodies. In these cases, further analysis by transmission electron microscopy is recommended to obtain a more accurate result.

Sincerely Yours,

Lab Manager
ASBESTOS TEM LABORATORIES, INC.

POLARIZED LIGHT MICROSCOPY
CARB 435 ANALYTICAL REPORT

Contact: Tom McCloskey/Chris Vertin

Address: McCloskey Consultants
420 Sycamore Valley Rd West
Danville, CA 94526

Samples Submitted: 3

Samples Analyzed: 3

Job Site / No. MVHS PEA Sampling

Report No. **372189**

Date Submitted: Jan-29-21

Date Reported: Feb-05-21

SAMPLE ID	POINTS COUNTED	ASBESTOS %	ASBESTOS TYPE	LOCATION / DESCRIPTION
NOA-6@0-3'		**<0.25%**	**None Detected**	No Asbestos Detected
Lab ID # 1340-01757-001	**400** - Total Points			
NOA-7@0-3'		**<0.25%**	**Chrysotile**	Trace Chrysotile Observed
Lab ID # 1340-01757-002	**400** - Total Points			
NOA-8@0-3'		**<0.25%**	**None Detected**	No Asbestos Detected
Lab ID # 1340-01757-003	**400** - Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			

QC Reviewer _____ **Analys** Clara Dingman

372189

ANALYTICAL CHANGE ORDER REQUEST FORM – *www.asbestostemlabs.com*

CALIFORNIA: 600 Bancroft Way, Suite A Berkeley, CA 94710 Phone (510) 704-8930 Fax (510) 704-8429
NEVADA: 1350 Freeport Blvd. #104, Sparks, NV 89431 Phone (775) 359-3377 Fax (775) 359-2798

ORIGINAL REPORT TYPE/NUMBER: _PCM _/_371505_____

Company: McCloskey		Job Site: MVHS PEA Sampling		Contact(s) Michael Michie
Address:		Job No: 21-008	Work Phone:	Cell Phone:
City, State, Zip	Country:	P.O. No:	Fax:	Email(s): tom@mccloskeyconsultants.com

ATTACH ORIGINAL CHAIN OF CUSTODY TO THIS FORM

Change Requested: □TAT **X** Method □Sensitivity □Cancel Test □Prep Method □Report

1340-01716-001,1340-01716-003,1340-01716-005

#	Client Sample Number	Change From	Change To	#	Client Sample Number	Change From	Change To
1	NOA-6@0-3'	TEM-NOA EPA/CARB Quan	CARB 435 (400 ct)	5			
2	NOA-7@0-3'	TEM-NOA EPA/CARB Quan	CARB 435 (400 ct)	6			
3	NOA-8@0-3'	TEM-NOA EPA/CARB Quan	CARB 435 (400 ct)	7			
4				8			

Requested By: Tom McCloskey	***Date: 1/29/2021***	***Time: 1308***

ATEM TO COMPLETE INFORMATION BELOW

Received By: MT2	***Date: 1/29/2021***	***Time: 1308***

□Change Verified with Laboratory Manager (ATEM Lab Manager Initials): _____

371505

ASBESTOS TEM LABORATORIES CHAIN OF CUSTODY

CALIFORNIA: 3431 Ettie Street Oakland, CA 94608 Phone (510) 704-8930 Fax (510) 704-8429
NEVADA: 1350 Freeport Blvd. #104, Sparks, NV 89431 Phone (775) 359-3377 Fax (775) 359-2798
You may also email this chain of custody to coc@asbestostemlabs.com * denotes required field

Company: McCloskey Consultants Inc	Contact:* Tom McCloskey / Chris Verton	Phone: * 925 786.2667	Email: * Tom McCloskey + Chris Verton
Address: * 420 Sycamore Valley Rd West	City: * Danville	State: *CA Zip: 94526	Email:
Job Site:* MVHS PEA Sampling	Job #:	PO #:	Email:

Reporting *	□ Email	□ Phone	□ Fax	□ Mail	□ Pickup	Billing	□ Email	□ Fax	□ Mail	□ Pre-Paid	Billing Email:
Results Due:*	□ 2 HR	□ 4 HR	□ 6 HR	□ 8 HR	□ 24 HR	□ 48 HR	□ 3 DAY	X 5 DAY	□ 10 DAY	□ Hold Samples (Until ____)	□ After Hours: **

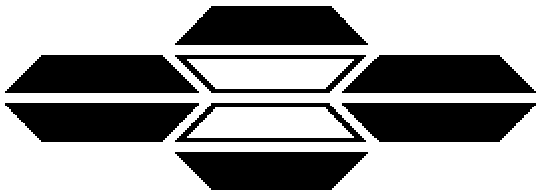
Asbestos Air	□ PCM NIOSH 7400 □ A □ B	□ TEM AHERA	□ TEM CARB Mod. AHERA	□ TEM EPA Yamate Level II	□ TEM NIOSH 7402	□ ISO 10312	□ ISO 13794	□ Sensitivity ____	
Asbestos Bulk	□ PLM Standard (EPA 600/R-93-1)	□ PLM 400 Point Count	□ PLM 1000 PC	□ PLM 400 PC Gravimetric Reduction	□ PLM 1000 PC Grav. Red.	□ TEM EPA Qualitative	□ TEM EPA Quantitative		
Asbestos Soils	□ CARB 435 Prep Only	CARB 435 PLM □ 400 PC □ 800 PC □ 100 PC □ 1200 PC	□ EPA Soil Screening Qualitative	X TEM-NOA EPA/CARB Quantitative	□ Erionite				
Asbestos Dust	□ ASTM D-5755 Fiber Count	□ ASTM D-5756 Wt. %	□ ASTM D-5756 Mass	□ ASTM D-6480 Dust Wipe	□ Total Particulates (Gravimetric)				
Asbestos Water	□ 100.2 Potable Drinking Water	□ 100.1 Non Potable Water	*note that 100.2 will be used for all water samples unless otherwise requested*						
Lead/Silica	□ Lead Paint Chips EPA-SW-846 7000B	□ Lead Dust Wipe EPA-SW-846 7000B	□ Lead Air NIOSH 7082	□ Lead Soil EPA-SW-846 7000B	Crystalline Silica Air (NIOSH 7500) □ Single Species □ All Species	Crystalline Silica in Bulk (NIOSH 7500) □ Single Species □ All Species	Respirable Crystalline Silica in Bulk (NIOSH 7500) □ Single Species □ All Species		
Custom/Other	□ Custom Analysis **	□ TEM Chatfield (Semi-Quant)	□ NIOSH 0500	□ NIOSH 0500	□ TTLC	□ STLC	□ TCLP		
Special Instruct.	□ Composite	□ Prep Only	□ 8 Hour TWA	Other **					

Sample # *	Sample Type	Date Collected	Time On	Time Off	Total Time (min)	Flow Rate (lpm) On	Flow Rate (lpm) Off	Flow Rate (lpm) Average	Volume or Area Sampled	Hold Sample	Description *
NOA-6@0-3' Soil		11-24-20	13:00							□	
NOA-6@6-7' Soil		11-24-20	12:57							□	
NOA-7@0-3' Soil		"	14:18							□	
NOA-7@6-7' Soil		"	14:20							□	
NOA-8@0-3' Soil		"	12:01							□	
NOA-8@6-8' Soil		"	11:55							□	
										□	
										□	
										□	
										□	
										□	

Submitted By *	Received By MTZ
Date/Time Submitted * 12-7-20	Date/Time Received
Submitted By	Received By
Date/Time Submitted	Date/Time Received

DEC2 '20 12:22PM

** For any special instructions, RUSH results or Custom Analysis, you must clarify these specifications AND, of more importance, contact us here at ATEM ahead of time to manage scheduling to meet your requests. **This includes dropping off samples for rush, same day analysis.** Drop off and processing of samples after hours cannot be accommodated without proper notification from you, and confirmation by ATEM staff. All samples will be held for 3 months from the date of receipt at ATEM. Additional sample storage time may be obtained through ATEM Customer Service.



ASBESTOS TEM LABORATORIES, INC.

CARB Method 435
Polarized Light Microscopy
Analytical Report

Laboratory Job # 1340-01772

3431 Ettie St.
Oakland, CA 94608
(510) 704-8930
FAX (510) 704-8429

ASBESTOS TEM LABORATORIES, INC

CA DPH ELAP
Lab No. 1866

NVLAP Lab Code: 101891-0
Oakland, CA

Feb/24/2021

Tom McCloskey/Chris
McCloskey Consultants
420 Sycamore Valley Rd West
Danville, CA 94526

RE: LABORATORY JOB # 1340-01772
Polarized light microscopy analytical results for 1 bulk sample(s).
Job Site:
Job No.: MVHS PEA Sampling

Enclosed please find the bulk material analytical results for one or more samples submitted for asbestos analysis. The analyses were performed in accordance with the California Air Resources Board (ARB) Method 435 for the determination of asbestos in serpentine aggregate samples.

Prior to analysis, samples are logged-in and all data pertinent to the sample recorded. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper analysis.

Sample preparation follows a standard CARB 435 prep method. The entire sample is dried at 135-150 C and then crushed to ~3/8" gravel size using a Bico Chipmunk crusher. If the submitted sample is >1 pint, the sample was split using a 1/2" riffle splitter following ASTM Method C-702-98 to obtain a 1 pint aliquot. The entire 1 pint aliquot, or entire original sample, is then pulverized in a Bico Braun disc pulverizer calibrated to produce a nominal 200 mesh final product. If necessary, additional homogenization steps are undertaken using a 3/8" riffle splitter. Small aliquots are collected from throughout the pulverized material to create three separate microsope slide mounts containing the appropriate refractive index oil. The prepared slides are placed under a polarizing light microscope where standard mineralogical techniques are used to analyze the various materials present, including asbestos. If asbestos is identified and of less than 10% concentration by visual area estimate then an additional five sample mounts are prepared. Quantification of asbestos concentration is obtained using the standard CAL ARB Method 435 point count protocol. For samples observed to contain visible asbestos of less than 10% concentration, a point counting techinique is used with 50 points counted on each of eight sample mounts for a total of 400 points. The data is then compiled into standard report format and subjected to a thorough quality assurance check before the information is released to the client.

While the CARB 435 method has much to commend it, there are a number of situations where it fails to provide sufficient accuracy to make a definitive determination of the presence/absence of asbestos and/or an accurate count of the asbestos concentration present in a given sample. These problems include, but are not limited to, 1) statistical uncertainty with samples containing <1% asbestos when too few particles are counted, 2) definitive identification and discrimination between various fibrous amphibole minerals such as tremolite/actinolite/hornblende and the "Libby amphiboles" such as tremolite/winchite/richterite/arfvedsonite, and C) small asbestiform fibers which are near or below the resolution limit of the PLM microscope such as those found in various California coast range serpentine bodies. In these cases, further analysis by transmission electron microscopy is recommended to obtain a more accurate result.

Sincerely Yours,

Lab Manager
ASBESTOS TEM LABORATORIES, INC.

POLARIZED LIGHT MICROSCOPY
CARB 435 ANALYTICAL REPORT

Contact: Tom McCloskey/Chris Vertin

Address: McCloskey Consultants
420 Sycamore Valley Rd West
Danville, CA 94526

Samples Submitted: 1

Samples Analyzed: 1

Job Site / No. MVHS PEA Sampling

Report No. **372375**

Date Submitted: Feb-18-21

Date Reported: Feb-24-21

SAMPLE ID	POINTS COUNTED	ASBESTOS %	ASBESTOS TYPE	LOCATION / DESCRIPTION
NOA-7@6-7'		**<0.25%**	**None Detected**	No Asbestos Detected
Lab ID # 1340-01772-001	**400** - Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			

QC Reviewer _____ **Analys** Clara Dingman

372375

ANALYTICAL CHANGE ORDER REQUEST FORM – *www.asbestostemlabs.com*

CALIFORNIA: 600 Bancroft Way, Suite A Berkeley, CA 94710 Phone (510) 704-8930 Fax (510) 704-8429
NEVADA: 1350 Freeport Blvd. #104, Sparks, NV 89431 Phone (775) 359-3377 Fax (775) 359-2798

ORIGINAL REPORT TYPE/NUMBER: _TEM _/_371505_____

Company: McCloskey		Job Site: MVHS PEA Sampling		Contact(s) Tom McCloskey/Chris Vertin
Address:		Job No:	Work Phone:	Cell Phone:
City, State, Zip	Country:	P.O. No:	Fax:	Email(s): tom@mccloskeyconsultants.com chris@cvenvironmental.com

ATTACH ORIGINAL CHAIN OF CUSTODY TO THIS FORM

1340-01716-004

We now need Sample NOA-7 @ 6-7' analyzed for PLM CARB 435 – 400 pt count on a 5 day TAT. Original work order is 371505.

#	Client Sample Number	Change From	Change To	#	Client Sample Number	Change From	Change To
1	NOA-7@6-7'	TEM NOA EPA/CARB QUANT	PLM CAL ARB 435 (400)	5			
2				6			
3				7			
4				8			

Requested By: Chris Vertin	*Date: 2/18/2021*	*Time: 1304*

ATEM TO COMPLETE INFORMATION BELOW

Received By: MB	*Date: 2/18/2021*	*Time: 1658*

☐Change Verified with Laboratory Manager (ATEM Lab Manager Initials): _____

371505

ASBESTOS TEM LABORATORIES CHAIN OF CUSTODY

CALIFORNIA: 3431 Ettie Street Oakland, CA 94608 Phone (510) 704-8930 Fax (510) 704-8429
NEVADA: 1350 Freeport Blvd. #104, Sparks, NV 89431 Phone (775) 359-3377 Fax (775) 359-2798
You may also email this chain of custody to coc@asbestostemlabs.com ** denotes required field*

Company: McCloskey Consultants Inc	Contact:* Tom McCloskey / Chris Vertin	Phone:* 925 786.2667	Email:* Tom McCloskey + Chris Vertin
Address:* 420 Sycamore Valley Rd West	City:* Danville	State:* CA Zip: 94526	Email:
Job Site:* MVHS PEA Sampling	Job #:	PO #:	Email:

Reporting:*	☐ Email	☐ Phone	☐ Fax	☐ Mail	☐ Pickup	Billing:	☐ Email	☐ Fax	☐ Mail	☐ Pre-Paid		Billing Email:
Results Due:*	☐ 2 HR	☐ 4 HR	☐ 6 HR	☐ 8 HR	☐ 24 HR	☐ 48 HR	☐ 3 DAY	☒ 5 DAY	☐ 10 DAY	☐ Hold Samples (Until _____)		☐ After Hours: **
Asbestos Air	☐ PCM NIOSH 7400 ☐ A ☐ B	☐ TEM AHERA	☐ TEM CARB Mod. AHERA	☐ TEM EPA Yamate Level II	☐ TEM NIOSH 7402	☐ ISO 10312	☐ ISO 13794	☐ Sensitivity _____				
Asbestos Bulk	☐ PLM Standard (EPA 600/R-93-1)	☐ PLM 400 Point Count	☐ PLM 1000 PC	☐ PLM 400 PC Gravimetric Reduction	☐ PLM 1000 PC Grav. Red.	☐ TEM EPA Qualitative	☐ TEM EPA Quantitative					
Asbestos Soils	☐ CARB 435 Prep Only	CARB 435 PLM ☐ 400 PC ☐ 800 PC ☐ 100 PC ☐ 1200 PC	☐ EPA Soil Screening Qualitative	☒ TEM-NOA EPA/CARB Quantitative	☐ Erionite							
Asbestos Dust	☐ ASTM D-5755 Fiber Count	☐ ASTM D-5756 Wt. %	☐ ASTM D-5756 Mass	☐ ASTM D-6480 Dust Wipe	☐ Total Particulates (Gravimetric)							
Asbestos Water	☐ 100.2 Potable Drinking Water	☐ 100.1 Non Potable Water	*note that 100.2 will be used for all water samples unless otherwise requested*									
Lead/Silica	☐ Lead Paint Chips EPA-SW-846 7000B	☐ Lead Dust Wipe EPA-SW-846 7000B	☐ Lead Air NIOSH 7082	☐ Lead Soil EPA-SW-846 7000B	Crystalline Silica Air (NIOSH 7500) ☐ Single Species ☐ All Species	Crystalline Silica in Bulk (NIOSH 7500) ☐ Single Species ☐ All Species	Respirable Crystalline Silica in Bulk (NIOSH 7500) ☐ Single Species ☐ All Species					
Custom/Other	☐ Custom Analysis **	☐ TEM Chatfield (Semi-Quant)	☐ NIOSH 0500	☐ NIOSH 0600	☐ TTLC	☐ STLC	☐ TCLP					
Special Instruct.	☐ Composite	☐ Prep Only	☐ 8 Hour TWA	Other **								

Sample #*	Sample Type	Date Collected	Time On	Time Off	Total Time (min)	Flow Rate (lpm) On	Flow Rate (lpm) Off	Flow Rate (lpm) Average	Volume or Area Sampled	Hold Sample	Description *
NOA-6@0-3' Soil		11.24.20	13:00							☐	
NOA-6@6-7' Soil		11.24.20	12:57							☐	
NOA-7@0-3' Soil		"	14:18							☐	
NOA-7@6-7' Soil		"	14:20							☐	
NOA-8@0-3' Soil		"	12:01							☐	
NOA-8@6-8' Soil		"	11:55							☐	
										☐	
										☐	
										☐	
										☐	
										☐	

Submitted By:*		Received By	MTZ
Date/Time Submitted*	12.2.20	Date/Time Received	
Submitted By		Received By	
Date/Time Submitted		Date/Time Received	

DEC2 '20 12:22PM

*** For any special instructions, RUSH results or Custom Analysis, you must clarify these specifications AND, of more importance, contact us here at ATEM ahead of time to manage scheduling to meet your requests. This includes dropping off samples for rush, same day analysis. Drop off and processing of samples after hours cannot be accommodated without proper notification from you, and confirmation by ATEM staff. All samples will be held for 3 months from the date of receipt at ATEM. Additional sample storage time may be obtained through ATEM Customer Service.*

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

August 10, 2018

McCloskey Consulting - Danville, CA

Sample Delivery Group:	L1014137
Samples Received:	08/02/2018
Project Number:	
Description:	Mountain View High School
Report To:	Tom McCloskey 420 Sycamore Valley Rd West Danville, CA 94526

Entire Report Reviewed By: Brian Ford

Brian Ford
Project Manager

TABLE OF CONTENTS

SS-1 @ 0-1/2' L1014137-01 Solid

Collected by: Chris Vertin | Collected date/time: 07/30/18 09:32 | Received date/time: 08/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1148165	1	08/06/18 13:04	08/06/18 13:12	JD
Metals (ICP) by Method 6010B	WG1147309	1	08/04/18 10:34	08/04/18 21:26	WBD
Pesticides (GC) by Method 8081	WG1147937	1	08/06/18 13:32	08/10/18 04:19	TD

SS-2 @ 0-1/2' L1014137-02 Solid

Collected by: Chris Vertin | Collected date/time: 07/30/18 09:57 | Received date/time: 08/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1148165	1	08/06/18 13:04	08/06/18 13:12	JD
Metals (ICP) by Method 6010B	WG1147309	1	08/04/18 10:34	08/04/18 21:28	WBD
Pesticides (GC) by Method 8081	WG1147937	1	08/06/18 13:32	08/10/18 04:33	TD

SS-3 @ 0-1/2' L1014137-03 Solid

Collected by: Chris Vertin | Collected date/time: 07/30/18 10:07 | Received date/time: 08/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1148165	1	08/06/18 13:04	08/06/18 13:12	JD
Metals (ICP) by Method 6010B	WG1147309	1	08/04/18 10:34	08/04/18 21:31	WBD
Pesticides (GC) by Method 8081	WG1147937	1	08/06/18 13:32	08/10/18 04:48	TD

SS-4 @ 1/2-1' L1014137-04 Solid

Collected by: Chris Vertin | Collected date/time: 07/30/18 09:52 | Received date/time: 08/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1148165	1	08/06/18 13:04	08/06/18 13:12	JD
Metals (ICP) by Method 6010B	WG1147309	1	08/04/18 10:34	08/04/18 21:34	WBD
Pesticides (GC) by Method 8081	WG1147937	1	08/06/18 13:32	08/10/18 05:03	TD

SS-5 @ 0-1/2' L1014137-05 Solid

Collected by: Chris Vertin | Collected date/time: 07/30/18 10:12 | Received date/time: 08/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1147342	1	08/03/18 14:40	08/03/18 14:52	JD
Metals (ICP) by Method 6010B	WG1147309	1	08/04/18 10:34	08/04/18 21:36	WBD
Pesticides (GC) by Method 8081	WG1147937	1	08/06/18 13:32	08/10/18 05:18	TD

SS-6 @ 1/2-1' L1014137-06 Solid

Collected by: Chris Vertin | Collected date/time: 07/30/18 10:21 | Received date/time: 08/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1147342	1	08/03/18 14:40	08/03/18 14:52	JD
Metals (ICP) by Method 6010B	WG1147309	1	08/04/18 10:34	08/04/18 21:39	WBD
Pesticides (GC) by Method 8081	WG1147938	1	08/07/18 10:40	08/09/18 00:53	VKS

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
			mg/kg		mg/kg	mg/kg		date / time	
SS-1 @ 0-1/2'	L1014137-01	Arsenic	7.82		0.783	2.41	1	08/04/2018 21:26	WG1147309
SS-1 @ 0-1/2'	L1014137-01	Lead	45.0		0.229	0.602	1	08/04/2018 21:26	WG1147309
SS-2 @ 0-1/2'	L1014137-02	Arsenic	3.50		0.785	2.42	1	08/04/2018 21:28	WG1147309
SS-2 @ 0-1/2'	L1014137-02	Lead	11.4		0.230	0.604	1	08/04/2018 21:28	WG1147309
SS-3 @ 0-1/2'	L1014137-03	Arsenic	3.94		0.814	2.51	1	08/04/2018 21:31	WG1147309
SS-3 @ 0-1/2'	L1014137-03	Lead	12.9		0.238	0.626	1	08/04/2018 21:31	WG1147309
SS-4 @ 1/2-1'	L1014137-04	Arsenic	3.05		0.797	2.45	1	08/04/2018 21:34	WG1147309
SS-4 @ 1/2-1'	L1014137-04	Lead	10.7		0.233	0.613	1	08/04/2018 21:34	WG1147309
SS-5 @ 0-1/2'	L1014137-05	Arsenic	2.94		0.762	2.34	1	08/04/2018 21:36	WG1147309
SS-5 @ 0-1/2'	L1014137-05	Lead	5.01		0.223	0.586	1	08/04/2018 21:36	WG1147309
SS-6 @ 1/2-1'	L1014137-06	Arsenic	3.75		0.817	2.51	1	08/04/2018 21:39	WG1147309
SS-6 @ 1/2-1'	L1014137-06	Lead	6.04		0.239	0.629	1	08/04/2018 21:39	WG1147309

Pesticides (GC) by Method 8081

Client ID	Lab Sample ID	Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
			mg/kg		mg/kg	mg/kg		date / time	
SS-1 @ 0-1/2'	L1014137-01	4,4-DDD	0.0115	J	0.000197	0.0241	1	08/10/2018 04:19	WG1147937
SS-1 @ 0-1/2'	L1014137-01	4,4-DDE	0.261		0.000199	0.0241	1	08/10/2018 04:19	WG1147937
SS-1 @ 0-1/2'	L1014137-01	4,4-DDT	0.0535		0.000320	0.0241	1	08/10/2018 04:19	WG1147937
SS-2 @ 0-1/2'	L1014137-02	4,4-DDD	0.00110	J	0.000198	0.0242	1	08/10/2018 04:33	WG1147937
SS-2 @ 0-1/2'	L1014137-02	4,4-DDE	0.0377		0.000199	0.0242	1	08/10/2018 04:33	WG1147937
SS-2 @ 0-1/2'	L1014137-02	4,4-DDT	0.00396	J	0.000321	0.0242	1	08/10/2018 04:33	WG1147937
SS-4 @ 1/2-1'	L1014137-04	4,4-DDD	0.000448	J	0.000201	0.0245	1	08/10/2018 05:03	WG1147937
SS-4 @ 1/2-1'	L1014137-04	4,4-DDE	0.00531	J	0.000202	0.0245	1	08/10/2018 05:03	WG1147937
SS-4 @ 1/2-1'	L1014137-04	4,4-DDT	0.000445	J P	0.000326	0.0245	1	08/10/2018 05:03	WG1147937
SS-5 @ 0-1/2'	L1014137-05	4,4-DDE	0.000410	J	0.000193	0.0234	1	08/10/2018 05:18	WG1147937

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.1		1	08/06/2018 13:12	WG1148165

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	7.82		0.783	2.41	1	08/04/2018 21:26	WG1147309
Lead	45.0		0.229	0.602	1	08/04/2018 21:26	WG1147309

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.000281	0.0241	1	08/10/2018 04:19	WG1147937
Alpha BHC	U		0.000232	0.0241	1	08/10/2018 04:19	WG1147937
Beta BHC	U		0.000365	0.0241	1	08/10/2018 04:19	WG1147937
Delta BHC	U		0.000182	0.0241	1	08/10/2018 04:19	WG1147937
Gamma BHC	U		0.000295	0.0241	1	08/10/2018 04:19	WG1147937
4,4-DDD	0.0115	J	0.000197	0.0241	1	08/10/2018 04:19	WG1147937
4,4-DDE	0.261		0.000199	0.0241	1	08/10/2018 04:19	WG1147937
4,4-DDT	0.0535		0.000320	0.0241	1	08/10/2018 04:19	WG1147937
Dieldrin	U		0.000107	0.00241	1	08/10/2018 04:19	WG1147937
Endosulfan I	U		0.000258	0.0241	1	08/10/2018 04:19	WG1147937
Endosulfan II	U		0.000277	0.0241	1	08/10/2018 04:19	WG1147937
Endosulfan sulfate	U		0.000205	0.0241	1	08/10/2018 04:19	WG1147937
Endrin	U		0.000264	0.0241	1	08/10/2018 04:19	WG1147937
Endrin aldehyde	U		0.000291	0.0241	1	08/10/2018 04:19	WG1147937
Endrin ketone	U		0.000191	0.0241	1	08/10/2018 04:19	WG1147937
Heptachlor	U		0.000122	0.0241	1	08/10/2018 04:19	WG1147937
Heptachlor epoxide	U		0.000455	0.0241	1	08/10/2018 04:19	WG1147937
Hexachlorobenzene	U		0.000270	0.0241	1	08/10/2018 04:19	WG1147937
Methoxychlor	U		0.000319	0.0241	1	08/10/2018 04:19	WG1147937
Chlordane	U		0.0470	0.241	1	08/10/2018 04:19	WG1147937
Toxaphene	U		0.0433	0.482	1	08/10/2018 04:19	WG1147937
(S) Decachlorobiphenyl	*86.6*			*10.0-148*		*08/10/2018 04:19*	WG1147937
(S) Tetrachloro-m-xylene	*76.6*			*21.0-146*		*08/10/2018 04:19*	WG1147937

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.8		1	08/06/2018 13:12	WG1148165

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.50		0.785	2.42	1	08/04/2018 21:28	WG1147309
Lead	11.4		0.230	0.604	1	08/04/2018 21:28	WG1147309

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.000281	0.0242	1	08/10/2018 04:33	WG1147937
Alpha BHC	U		0.000233	0.0242	1	08/10/2018 04:33	WG1147937
Beta BHC	U		0.000366	0.0242	1	08/10/2018 04:33	WG1147937
Delta BHC	U		0.000182	0.0242	1	08/10/2018 04:33	WG1147937
Gamma BHC	U		0.000296	0.0242	1	08/10/2018 04:33	WG1147937
4,4-DDD	0.00110	J	0.000198	0.0242	1	08/10/2018 04:33	WG1147937
4,4-DDE	0.0377		0.000199	0.0242	1	08/10/2018 04:33	WG1147937
4,4-DDT	0.00396	J	0.000321	0.0242	1	08/10/2018 04:33	WG1147937
Dieldrin	U		0.000108	0.00242	1	08/10/2018 04:33	WG1147937
Endosulfan I	U		0.000259	0.0242	1	08/10/2018 04:33	WG1147937
Endosulfan II	U		0.000278	0.0242	1	08/10/2018 04:33	WG1147937
Endosulfan sulfate	U		0.000205	0.0242	1	08/10/2018 04:33	WG1147937
Endrin	U		0.000265	0.0242	1	08/10/2018 04:33	WG1147937
Endrin aldehyde	U		0.000292	0.0242	1	08/10/2018 04:33	WG1147937
Endrin ketone	U		0.000192	0.0242	1	08/10/2018 04:33	WG1147937
Heptachlor	U		0.000122	0.0242	1	08/10/2018 04:33	WG1147937
Heptachlor epoxide	U		0.000457	0.0242	1	08/10/2018 04:33	WG1147937
Hexachlorobenzene	U		0.000271	0.0242	1	08/10/2018 04:33	WG1147937
Methoxychlor	U		0.000320	0.0242	1	08/10/2018 04:33	WG1147937
Chlordane	U		0.0471	0.242	1	08/10/2018 04:33	WG1147937
Toxaphene	U		0.0435	0.483	1	08/10/2018 04:33	WG1147937
(S) Decachlorobiphenyl	*84.7*			*10.0-148*		*08/10/2018 04:33*	WG1147937
(S) Tetrachloro-m-xylene	*79.7*			*21.0-146*		*08/10/2018 04:33*	WG1147937

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.8		1	08/06/2018 13:12	WG1148165

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.94		0.814	2.51	1	08/04/2018 21:31	WG1147309
Lead	12.9		0.238	0.626	1	08/04/2018 21:31	WG1147309

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.000292	0.0251	1	08/10/2018 04:48	WG1147937
Alpha BHC	U		0.000242	0.0251	1	08/10/2018 04:48	WG1147937
Beta BHC	U		0.000380	0.0251	1	08/10/2018 04:48	WG1147937
Delta BHC	U		0.000189	0.0251	1	08/10/2018 04:48	WG1147937
Gamma BHC	U		0.000307	0.0251	1	08/10/2018 04:48	WG1147937
4,4-DDD	U		0.000205	0.0251	1	08/10/2018 04:48	WG1147937
4,4-DDE	U		0.000207	0.0251	1	08/10/2018 04:48	WG1147937
4,4-DDT	U		0.000333	0.0251	1	08/10/2018 04:48	WG1147937
Dieldrin	U		0.000111	0.00251	1	08/10/2018 04:48	WG1147937
Endosulfan I	U		0.000268	0.0251	1	08/10/2018 04:48	WG1147937
Endosulfan II	U		0.000288	0.0251	1	08/10/2018 04:48	WG1147937
Endosulfan sulfate	U		0.000213	0.0251	1	08/10/2018 04:48	WG1147937
Endrin	U		0.000274	0.0251	1	08/10/2018 04:48	WG1147937
Endrin aldehyde	U		0.000303	0.0251	1	08/10/2018 04:48	WG1147937
Endrin ketone	U		0.000199	0.0251	1	08/10/2018 04:48	WG1147937
Heptachlor	U		0.000127	0.0251	1	08/10/2018 04:48	WG1147937
Heptachlor epoxide	U		0.000473	0.0251	1	08/10/2018 04:48	WG1147937
Hexachlorobenzene	U		0.000281	0.0251	1	08/10/2018 04:48	WG1147937
Methoxychlor	U		0.000332	0.0251	1	08/10/2018 04:48	WG1147937
Chlordane	U		0.0489	0.251	1	08/10/2018 04:48	WG1147937
Toxaphene	U		0.0451	0.501	1	08/10/2018 04:48	WG1147937
(S) Decachlorobiphenyl	*89.7*			*10.0-148*		*08/10/2018 04:48*	WG1147937
(S) Tetrachloro-m-xylene	*82.4*			*21.0-146*		*08/10/2018 04:48*	WG1147937

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.6		1	08/06/2018 13:12	WG1148165

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.05		0.797	2.45	1	08/04/2018 21:34	WG1147309
Lead	10.7		0.233	0.613	1	08/04/2018 21:34	WG1147309

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.000286	0.0245	1	08/10/2018 05:03	WG1147937
Alpha BHC	U		0.000237	0.0245	1	08/10/2018 05:03	WG1147937
Beta BHC	U		0.000372	0.0245	1	08/10/2018 05:03	WG1147937
Delta BHC	U		0.000185	0.0245	1	08/10/2018 05:03	WG1147937
Gamma BHC	U		0.000300	0.0245	1	08/10/2018 05:03	WG1147937
4,4-DDD	0.000448	J	0.000201	0.0245	1	08/10/2018 05:03	WG1147937
4,4-DDE	0.00531	J	0.000202	0.0245	1	08/10/2018 05:03	WG1147937
4,4-DDT	0.000445	J P	0.000326	0.0245	1	08/10/2018 05:03	WG1147937
Dieldrin	U		0.000109	0.00245	1	08/10/2018 05:03	WG1147937
Endosulfan I	U		0.000262	0.0245	1	08/10/2018 05:03	WG1147937
Endosulfan II	U		0.000282	0.0245	1	08/10/2018 05:03	WG1147937
Endosulfan sulfate	U		0.000208	0.0245	1	08/10/2018 05:03	WG1147937
Endrin	U		0.000269	0.0245	1	08/10/2018 05:03	WG1147937
Endrin aldehyde	U		0.000297	0.0245	1	08/10/2018 05:03	WG1147937
Endrin ketone	U		0.000195	0.0245	1	08/10/2018 05:03	WG1147937
Heptachlor	U		0.000124	0.0245	1	08/10/2018 05:03	WG1147937
Heptachlor epoxide	U		0.000463	0.0245	1	08/10/2018 05:03	WG1147937
Hexachlorobenzene	U		0.000275	0.0245	1	08/10/2018 05:03	WG1147937
Methoxychlor	U		0.000325	0.0245	1	08/10/2018 05:03	WG1147937
Chlordane	U		0.0478	0.245	1	08/10/2018 05:03	WG1147937
Toxaphene	U		0.0441	0.490	1	08/10/2018 05:03	WG1147937
(S) Decachlorobiphenyl	*88.2*			*10.0-148*		*08/10/2018 05:03*	WG1147937
(S) Tetrachloro-m-xylene	*80.1*			*21.0-146*		*08/10/2018 05:03*	WG1147937

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.3		1	08/03/2018 14:52	WG1147342

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.94		0.762	2.34	1	08/04/2018 21:36	WG1147309
Lead	5.01		0.223	0.586	1	08/04/2018 21:36	WG1147309

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.000273	0.0234	1	08/10/2018 05:18	WG1147937
Alpha BHC	U		0.000226	0.0234	1	08/10/2018 05:18	WG1147937
Beta BHC	U		0.000355	0.0234	1	08/10/2018 05:18	WG1147937
Delta BHC	U		0.000177	0.0234	1	08/10/2018 05:18	WG1147937
Gamma BHC	U		0.000287	0.0234	1	08/10/2018 05:18	WG1147937
4,4-DDD	U		0.000192	0.0234	1	08/10/2018 05:18	WG1147937
4,4-DDE	0.000410	J	0.000193	0.0234	1	08/10/2018 05:18	WG1147937
4,4-DDT	U		0.000312	0.0234	1	08/10/2018 05:18	WG1147937
Dieldrin	U		0.000104	0.00234	1	08/10/2018 05:18	WG1147937
Endosulfan I	U		0.000251	0.0234	1	08/10/2018 05:18	WG1147937
Endosulfan II	U		0.000270	0.0234	1	08/10/2018 05:18	WG1147937
Endosulfan sulfate	U		0.000199	0.0234	1	08/10/2018 05:18	WG1147937
Endrin	U		0.000257	0.0234	1	08/10/2018 05:18	WG1147937
Endrin aldehyde	U		0.000284	0.0234	1	08/10/2018 05:18	WG1147937
Endrin ketone	U		0.000186	0.0234	1	08/10/2018 05:18	WG1147937
Heptachlor	U		0.000118	0.0234	1	08/10/2018 05:18	WG1147937
Heptachlor epoxide	U		0.000443	0.0234	1	08/10/2018 05:18	WG1147937
Hexachlorobenzene	U		0.000263	0.0234	1	08/10/2018 05:18	WG1147937
Methoxychlor	U		0.000311	0.0234	1	08/10/2018 05:18	WG1147937
Chlordane	U		0.0457	0.234	1	08/10/2018 05:18	WG1147937
Toxaphene	U		0.0422	0.469	1	08/10/2018 05:18	WG1147937
(S) Decachlorobiphenyl	*89.7*			*10.0-148*		*08/10/2018 05:18*	WG1147937
(S) Tetrachloro-m-xylene	*81.0*			*21.0-146*		*08/10/2018 05:18*	WG1147937

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.5		1	08/03/2018 14:52	WG1147342

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.75		0.817	2.51	1	08/04/2018 21:39	WG1147309
Lead	6.04		0.239	0.629	1	08/04/2018 21:39	WG1147309

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.000293	0.0251	1	08/09/2018 00:53	WG1147938
Alpha BHC	U		0.000243	0.0251	1	08/09/2018 00:53	WG1147938
Beta BHC	U		0.000381	0.0251	1	08/09/2018 00:53	WG1147938
Delta BHC	U		0.000190	0.0251	1	08/09/2018 00:53	WG1147938
Gamma BHC	U		0.000308	0.0251	1	08/09/2018 00:53	WG1147938
4,4-DDD	U		0.000206	0.0251	1	08/09/2018 00:53	WG1147938
4,4-DDE	U		0.000207	0.0251	1	08/09/2018 00:53	WG1147938
4,4-DDT	U		0.000334	0.0251	1	08/09/2018 00:53	WG1147938
Dieldrin	U		0.000112	0.00251	1	08/09/2018 00:53	WG1147938
Endosulfan I	U		0.000269	0.0251	1	08/09/2018 00:53	WG1147938
Endosulfan II	U		0.000289	0.0251	1	08/09/2018 00:53	WG1147938
Endosulfan sulfate	U		0.000214	0.0251	1	08/09/2018 00:53	WG1147938
Endrin	U		0.000275	0.0251	1	08/09/2018 00:53	WG1147938
Endrin aldehyde	U		0.000304	0.0251	1	08/09/2018 00:53	WG1147938
Endrin ketone	U		0.000200	0.0251	1	08/09/2018 00:53	WG1147938
Heptachlor	U		0.000127	0.0251	1	08/09/2018 00:53	WG1147938
Heptachlor epoxide	U		0.000475	0.0251	1	08/09/2018 00:53	WG1147938
Hexachlorobenzene	U		0.000282	0.0251	1	08/09/2018 00:53	WG1147938
Methoxychlor	U		0.000333	0.0251	1	08/09/2018 00:53	WG1147938
Chlordane	U		0.0490	0.251	1	08/09/2018 00:53	WG1147938
Toxaphene	U		0.0453	0.503	1	08/09/2018 00:53	WG1147938
(S) Decachlorobiphenyl	*58.4*			*10.0-148*		*08/09/2018 00:53*	WG1147938
(S) Tetrachloro-m-xylene	*75.4*			*21.0-146*		*08/09/2018 00:53*	WG1147938

Method Blank (MB)

(MB) R3331106-1 08/03/18 14:52

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1014430-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1014430-01 08/03/18 14:52 • (DUP) R3331106-3 08/03/18 14:52

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	82.6	82.2	1	0.492		10

Laboratory Control Sample (LCS)

(LCS) R3331106-2 08/03/18 14:52

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3331409-1 08/06/18 13:12

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1014963-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1014963-01 08/06/18 13:12 • (DUP) R3331409-3 08/06/18 13:12

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.0	85.5	1	0.617		10

Laboratory Control Sample (LCS)

(LCS) R3331409-2 08/06/18 13:12

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3331027-1 08/04/18 20:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.650	2.00
Lead	U		0.190	0.500

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3331027-2 08/04/18 20:14 • (LCSD) R3331027-3 08/04/18 20:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic	100	101	103	101	103	80.0-120			1.81	20
Lead	100	97.1	98.2	97.1	98.2	80.0-120			1.07	20

L1013262-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1013262-12 08/04/18 20:19 • (MS) R3331027-6 08/04/18 20:27 • (MSD) R3331027-7 08/04/18 20:30

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	1.46	98.2	101	96.7	99.2	1	75.0-125			2.49	20
Lead	100	5.26	100	103	95.1	97.6	1	75.0-125			2.45	20

L1013262-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1013262-13 08/04/18 20:32 • (MS) R3331027-8 08/04/18 20:35 • (MSD) R3331027-9 08/04/18 20:43

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	1.74	108	101	106	99.3	1	75.0-125			6.42	20
Lead	100	2.55	103	95.5	101	92.9	1	75.0-125			7.86	20

Method Blank (MB)

(MB) R3331709-3 08/07/18 17:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aldrin	U		0.000233	0.0200
Alpha BHC	U		0.000193	0.0200
Beta BHC	U		0.000303	0.0200
Delta BHC	U		0.000151	0.0200
Gamma BHC	U		0.000245	0.0200
4,4-DDD	U		0.000164	0.0200
4,4-DDE	U		0.000165	0.0200
4,4-DDT	U		0.000266	0.0200
Dieldrin	U		0.0000890	0.00200
Endosulfan I	U		0.000214	0.0200
Endosulfan II	U		0.000230	0.0200
Endosulfan sulfate	U		0.000170	0.0200
Endrin	U		0.000219	0.0200
Endrin aldehyde	U		0.000242	0.0200
Endrin ketone	U		0.000159	0.0200
Heptachlor	U		0.000101	0.0200
Heptachlor epoxide	U		0.000378	0.0200
Hexachlorobenzene	U		0.000224	0.0200
Methoxychlor	U		0.000265	0.0200
Chlordane	U		0.0390	0.200
Toxaphene	U		0.0360	0.400
(S) Decachlorobiphenyl	*95.6*			*10.0-148*
(S) Tetrachloro-m-xylene	*93.7*			*21.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3331709-1 08/07/18 17:08 • (LCSD) R3331709-2 08/07/18 17:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Aldrin	0.0666	0.0567	0.0548	85.1	82.3	55.0-137			3.41	29
Alpha BHC	0.0666	0.0550	0.0534	82.6	80.2	55.0-136			2.95	28
Beta BHC	0.0666	0.0507	0.0497	76.1	74.6	53.0-133			1.99	28
Delta BHC	0.0666	0.0531	0.0520	79.7	78.1	53.0-139			2.09	29
Gamma BHC	0.0666	0.0544	0.0531	81.7	79.7	54.0-136			2.42	29
4,4-DDD	0.0666	0.0575	0.0562	86.3	84.4	51.0-141			2.29	29
4,4-DDE	0.0666	0.0587	0.0566	88.1	85.0	53.0-142			3.64	30
4,4-DDT	0.0666	0.0635	0.0619	95.3	92.9	47.0-143			2.55	30
Dieldrin	0.0666	0.0586	0.0568	88.0	85.3	54.0-141			3.12	29
Endosulfan I	0.0666	0.0564	0.0548	84.7	82.3	54.0-141			2.88	29

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3331709-1 08/07/18 17:08 • (LCSD) R3331709-2 08/07/18 17:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Endosulfan II	0.0666	0.0554	0.0540	83.2	81.1	53.0-140			2.56	28
Endosulfan sulfate	0.0666	0.0555	0.0546	83.3	82.0	52.0-141			1.63	29
Endrin	0.0666	0.0592	0.0575	88.9	86.3	52.0-137			2.91	29
Endrin aldehyde	0.0666	0.0514	0.0510	77.2	76.6	30.0-127			0.781	31
Endrin ketone	0.0666	0.0579	0.0572	86.9	85.9	51.0-139			1.22	28
Heptachlor	0.0666	0.0603	0.0587	90.5	88.1	53.0-144			2.69	29
Heptachlor epoxide	0.0666	0.0567	0.0550	85.1	82.6	54.0-137			3.04	28
Hexachlorobenzene	0.0666	0.0488	0.0475	73.3	71.3	50.0-135			2.70	28
Methoxychlor	0.0666	0.0595	0.0590	89.3	88.6	49.0-145			0.844	29
(S) Decachlorobiphenyl				*95.6*	*97.4*	*10.0-148*				
(S) Tetrachloro-m-xylene				*91.3*	*90.5*	*21.0-146*				

L1014122-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1014122-01 08/10/18 01:06 • (MS) R3332622-1 08/10/18 01:21 • (MSD) R3332622-2 08/10/18 01:36

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aldrin	0.0791	U	0.0296	0.0467	37.4	59.0	1	19.0-152		J3	44.9	24
Alpha BHC	0.0791	U	0.0282	0.0506	35.6	64.0	1	39.0-152	J6	J3	57.0	21
Beta BHC	0.0791	U	0.0258	0.0462	32.6	58.4	1	38.0-150	J6	J3	56.8	20
Delta BHC	0.0791	U	0.0289	0.0472	36.5	59.6	1	34.0-155		J3	48.1	21
Gamma BHC	0.0791	0.000826	0.0283	0.0487	35.7	61.6	1	38.0-153	J6	J3	53.1	21
4,4-DDD	0.0791	0.00204	0.0358	0.0529	42.6	64.2	1	22.0-160		J3	38.6	25
4,4-DDE	0.0791	0.00624	0.0395	0.0572	42.0	64.3	1	10.0-160		J3	36.7	27
4,4-DDT	0.0791	0.0227	0.0625	0.0976	50.3	94.6	1	10.0-160		J3	43.8	28
Dieldrin	0.0791	0.0548	0.0744	0.121	24.8	83.9	1	30.0-158	J6	J3	47.9	25
Endosulfan I	0.0791	U	0.0348	0.0491	44.0	62.0	1	31.0-155		J3	34.0	25
Endosulfan II	0.0791	U	0.0333	0.0526	42.0	66.5	1	32.0-156		J3	45.1	25
Endosulfan sulfate	0.0791	U	0.0367	0.0559	46.4	70.6	1	31.0-158		J3	41.3	24
Endrin	0.0791	U	0.0374	0.0512	47.3	64.7	1	30.0-149		J3	31.1	25
Endrin aldehyde	0.0791	U	0.0828	0.0588	105	74.3	1	20.0-157	P	J3	33.9	26
Endrin ketone	0.0791	U	0.0328	0.0555	41.4	70.1	1	32.0-154		J3	51.4	23
Heptachlor	0.0791	U	0.0345	0.0538	43.5	68.0	1	18.0-160		J3	43.9	23
Heptachlor epoxide	0.0791	U	0.0335	0.0474	42.3	59.9	1	31.0-154		J3	34.4	25
Hexachlorobenzene	0.0791	U	0.0304	0.0506	38.4	64.0	1	26.0-146		J3	49.9	21
Methoxychlor	0.0791	U	0.0398	0.0643	50.3	81.2	1	10.0-160		J3	47.0	27
(S) Decachlorobiphenyl					*45.3*	*73.0*		*10.0-148*				
(S) Tetrachloro-m-xylene					*42.3*	*64.7*		*21.0-146*				

Method Blank (MB)

(MB) R3332380-3 08/09/18 00:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aldrin	U		0.000233	0.0200
Alpha BHC	U		0.000193	0.0200
Beta BHC	U		0.000303	0.0200
Delta BHC	U		0.000151	0.0200
Gamma BHC	U		0.000245	0.0200
4,4-DDD	U		0.000164	0.0200
4,4-DDE	U		0.000165	0.0200
4,4-DDT	U		0.000266	0.0200
Dieldrin	U		0.0000890	0.00200
Endosulfan I	U		0.000214	0.0200
Endosulfan II	U		0.000230	0.0200
Endosulfan sulfate	U		0.000170	0.0200
Endrin	U		0.000219	0.0200
Endrin aldehyde	U		0.000242	0.0200
Endrin ketone	U		0.000159	0.0200
Heptachlor	U		0.000101	0.0200
Heptachlor epoxide	U		0.000378	0.0200
Hexachlorobenzene	U		0.000224	0.0200
Methoxychlor	U		0.000265	0.0200
Chlordane	U		0.0390	0.200
Toxaphene	U		0.0360	0.400
(S) Decachlorobiphenyl	*74.3*			*10.0-148*
(S) Tetrachloro-m-xylene	*75.2*			*21.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3332380-1 08/08/18 23:50 • (LCSD) R3332380-2 08/09/18 00:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Aldrin	0.0666	0.0541	0.0571	81.2	85.7	55.0-137			5.40	29
Alpha BHC	0.0666	0.0557	0.0592	83.6	88.9	55.0-136			6.09	28
Beta BHC	0.0666	0.0490	0.0520	73.6	78.1	53.0-133			5.94	28
Delta BHC	0.0666	0.0550	0.0592	82.6	88.9	53.0-139			7.36	29
Gamma BHC	0.0666	0.0539	0.0576	80.9	86.5	54.0-136			6.64	29
4,4-DDD	0.0666	0.0539	0.0558	80.9	83.8	51.0-141			3.46	29
4,4-DDE	0.0666	0.0531	0.0563	79.7	84.5	53.0-142			5.85	30
4,4-DDT	0.0666	0.0557	0.0581	83.6	87.2	47.0-143			4.22	30
Dieldrin	0.0666	0.0554	0.0554	83.2	83.2	54.0-141			0.000	29
Endosulfan I	0.0666	0.0530	0.0529	79.6	79.4	54.0-141			0.189	29

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3332380-1 08/08/18 23:50 • (LCSD) R3332380-2 08/09/18 00:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Endosulfan II	0.0666	0.0512	0.0526	76.9	79.0	53.0-140			2.70	28
Endosulfan sulfate	0.0666	0.0506	0.0532	76.0	79.9	52.0-141			5.01	29
Endrin	0.0666	0.0521	0.0564	78.2	84.7	52.0-137			7.93	29
Endrin aldehyde	0.0666	0.0426	0.0466	64.0	70.0	30.0-127			8.97	31
Endrin ketone	0.0666	0.0527	0.0539	79.1	80.9	51.0-139			2.25	28
Heptachlor	0.0666	0.0541	0.0574	81.2	86.2	53.0-144			5.92	29
Heptachlor epoxide	0.0666	0.0525	0.0560	78.8	84.1	54.0-137			6.45	28
Hexachlorobenzene	0.0666	0.0498	0.0531	74.8	79.7	50.0-135			6.41	28
Methoxychlor	0.0666	0.0506	0.0560	76.0	84.1	49.0-145			10.1	29
(S) Decachlorobiphenyl				*77.3*	*79.6*	*10.0-148*				
(S) Tetrachloro-m-xylene				*74.6*	*79.4*	*21.0-146*				

L1014498-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1014498-01 08/09/18 01:43 • (MS) R3332380-4 08/09/18 01:55 • (MSD) R3332380-5 08/09/18 02:08

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aldrin	0.0666	U	0.0580	0.0563	87.1	84.5	1	19.0-152			2.97	24
Alpha BHC	0.0666	U	0.0624	0.0630	93.7	94.6	1	39.0-152			0.957	21
Beta BHC	0.0666	U	0.0595	0.0553	89.3	83.0	1	38.0-150			7.32	20
Delta BHC	0.0666	U	0.0600	0.0609	90.1	91.4	1	34.0-155			1.49	21
Gamma BHC	0.0666	U	0.0605	0.0608	90.8	91.3	1	38.0-153			0.495	21
4,4-DDD	0.0666	U	0.0504	0.0523	75.7	78.5	1	22.0-160			3.70	25
4,4-DDE	0.0666	U	0.0552	0.0536	82.9	80.5	1	10.0-160			2.94	27
4,4-DDT	0.0666	U	0.0547	0.0548	82.1	82.3	1	10.0-160			0.183	28
Dieldrin	0.0666	U	0.0566	0.0558	85.0	83.8	1	30.0-158			1.42	25
Endosulfan I	0.0666	U	0.0542	0.0539	81.4	80.9	1	31.0-155			0.555	25
Endosulfan II	0.0666	U	0.0512	0.0530	76.9	79.6	1	32.0-156			3.45	25
Endosulfan sulfate	0.0666	U	0.0522	0.0551	78.4	82.7	1	31.0-158			5.41	24
Endrin	0.0666	U	0.0556	0.0575	83.5	86.3	1	30.0-149			3.36	25
Endrin aldehyde	0.0666	U	0.0507	0.0531	76.1	79.7	1	20.0-157			4.62	26
Endrin ketone	0.0666	U	0.0537	0.0552	80.6	82.9	1	32.0-154			2.75	23
Heptachlor	0.0666	U	0.0569	0.0561	85.4	84.2	1	18.0-160			1.42	23
Heptachlor epoxide	0.0666	U	0.0584	0.0555	87.7	83.3	1	31.0-154			5.09	25
Hexachlorobenzene	0.0666	U	0.0552	0.0546	82.9	82.0	1	26.0-146			1.09	21
Methoxychlor	0.0666	U	0.0605	0.0602	90.8	90.4	1	10.0-160			0.497	27
(S) Decachlorobiphenyl					*77.5*	*83.9*		*10.0-148*				
(S) Tetrachloro-m-xylene					*82.3*	*84.5*		*21.0-146*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P	RPD between the primary and confirmatory analysis exceeded 40%.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

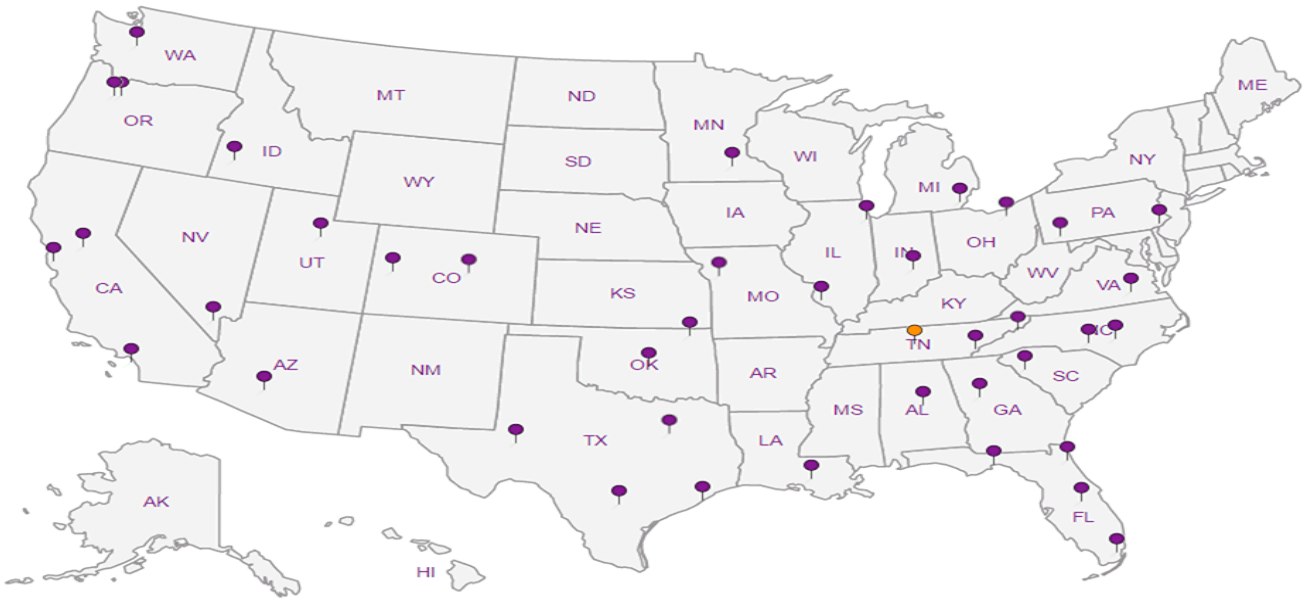
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



McCloskey Consultants Inc.

Billing Information:

Report to: Tom McCloskey / Chris Vertin

Email To:

Project Description: Mountain View High School

City/State Collected: Mountain View, CA

Phone: 925.786.2667 Fax:

Client Project #

Lab Project #

Collected by (print): Chris Vertin

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Pres Chk	OCPs (8081)	Arsenic	Lead
SS-1 @ 0-½'	Grab	SS	0-½	7/30/18	9:32	1		X	X	X
SS-2 @ 0-½'			0-½'		9:57					
SS-3 @ 0-½'			0-½		10:07					
SS-4 @ ½-1'			½-1'		9:52					
SS-5 @ 0-½'			0-½'		10:12					
SS-6 @ ½-1'			½-1'		10:21					

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L161437

E104

Acctnum: MCCCONDCA

Template:

Prelogin:

TSR:

PB:

Shipped Via:

Remarks	Sample # (lab only)
	-01
	02
	03
	04
	05
	06

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ____

Remarks:

pH ____ Temp ____

Flow ____ Other ____

Samples returned via:
__ UPS __ FedEx __ Courier __ ____

Tracking # 4430 3421 6588

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
4-05 MR/HR

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	8/1/18	0825	PACE
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
PACE	8/1/18	1600	FedEx
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)
			801

Trip Blank Received: Yes (No) HCL / MeoH TBR

Temp: 0.2°C Bottles Received: 6

Date: 8/2/18 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

December 07, 2020

McCloskey Consulting - Danville, CA

Sample Delivery Group:	L1288565
Samples Received:	11/20/2020
Project Number:	
Description:	MVHS PEA Sampling

Report To: Tom McCloskey
420 Sycamore Valley Rd West
Danville, CA 94526

Entire Report Reviewed By: Brian Ford

Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

BP-1 0-0.5FT L1288565-01 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 10:49 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582981	1	11/30/20 08:46	11/30/20 09:01	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 07:59	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 17:32	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 16:59	AMM	Mt. Juliet, TN

BP-1 2-2.5FT L1288565-02 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 11:07 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582981	1	11/30/20 08:46	11/30/20 09:01	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 04:15	SSH	Mt. Juliet, TN

BP-2 0-0.5FT L1288565-03 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 10:51 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582981	1	11/30/20 08:46	11/30/20 09:01	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 07:39	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 18:11	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 17:31	AMM	Mt. Juliet, TN

BP-2 2-2.5FT L1288565-04 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 11:17 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582981	1	11/30/20 08:46	11/30/20 09:01	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 04:55	SSH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 16:26	HMH	Mt. Juliet, TN

BP-3 0-0.5FT L1288565-05 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 10:57 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582981	1	11/30/20 08:46	11/30/20 09:01	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 08:03	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 18:25	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 17:41	AMM	Mt. Juliet, TN

BP-3 2-2.5FT L1288565-06 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 11:41 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582981	1	11/30/20 08:46	11/30/20 09:01	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 05:08	SSH	Mt. Juliet, TN

BP-4 0-0.5FT L1288565-07 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 10:59 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582981	1	11/30/20 08:46	11/30/20 09:01	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 08:20	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 18:38	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 17:51	AMM	Mt. Juliet, TN

BP-4 2-2.5FT L1288565-08 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 11:53 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582981	1	11/30/20 08:46	11/30/20 09:01	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 05:21	SSH	Mt. Juliet, TN

BP-5 0-0.5FT L1288565-09 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 12:08 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582981	1	11/30/20 08:46	11/30/20 09:01	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 08:23	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 18:51	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 18:01	AMM	Mt. Juliet, TN

BP-5 2-2.5FT L1288565-10 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 13:55 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582982	1	11/30/20 05:49	11/30/20 05:57	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 05:35	SSH	Mt. Juliet, TN

BP-6 0-0.5FT L1288565-11 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 12:10 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582982	1	11/30/20 05:49	11/30/20 05:57	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 08:27	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 19:05	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 18:11	AMM	Mt. Juliet, TN

BP-6 2-2.5FT L1288565-12 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 14:05 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582982	1	11/30/20 05:49	11/30/20 05:57	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 05:48	SSH	Mt. Juliet, TN

BP-7 0-0.5FT L1288565-13 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 12:13 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582982	1	11/30/20 05:49	11/30/20 05:57	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 08:30	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 19:18	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 18:21	AMM	Mt. Juliet, TN

BP-7 2-2.5FT L1288565-14 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 14:22 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582982	1	11/30/20 05:49	11/30/20 05:57	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 06:01	SSH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 16:38	HMH	Mt. Juliet, TN

BP-8 0-0.5FT L1288565-15 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 12:18 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582982	1	11/30/20 05:49	11/30/20 05:57	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 08:33	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 19:31	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 18:32	AMM	Mt. Juliet, TN

BP-8 2-2.5FT L1288565-16 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 14:30 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582982	1	11/30/20 05:49	11/30/20 05:57	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 06:14	SSH	Mt. Juliet, TN

BP-9 0-0.5FT L1288565-17 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 12:21 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582982	1	11/30/20 05:49	11/30/20 05:57	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 08:37	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 19:44	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 18:42	AMM	Mt. Juliet, TN

BP-9 2-2.5FT L1288565-18 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 14:40 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582982	1	11/30/20 05:49	11/30/20 05:57	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 06:27	SSH	Mt. Juliet, TN

BP-10 0-0.5FT L1288565-19 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 12:28 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582982	1	11/30/20 05:49	11/30/20 05:57	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 08:40	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 19:57	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 18:52	AMM	Mt. Juliet, TN

BP-10 2-2.5FT L1288565-20 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 15:15 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582983	1	11/30/20 06:13	11/30/20 06:25	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 06:41	SSH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 16:51	HMH	Mt. Juliet, TN

BP-11 0-0.5FT L1288565-21 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 12:31 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582983	1	11/30/20 06:13	11/30/20 06:25	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 08:43	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 20:11	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 19:02	AMM	Mt. Juliet, TN

BP-11 2-2.5FT L1288565-22 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 15:26 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582983	1	11/30/20 06:13	11/30/20 06:25	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 06:54	SSH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 17:03	HMH	Mt. Juliet, TN

BP-12 0-0.5FT L1288565-23 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 12:35 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582983	1	11/30/20 06:13	11/30/20 06:25	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 08:47	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 20:24	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 19:12	AMM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/02/20 10:29	AMM	Mt. Juliet, TN

BP-12 2-2.5FT L1288565-24 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 15:42 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582983	1	11/30/20 06:13	11/30/20 06:25	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 07:07	SSH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 17:15	HMH	Mt. Juliet, TN

BP-13 0-0.5FT L1288565-25 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 12:54 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582983	1	11/30/20 06:13	11/30/20 06:25	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 08:50	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 20:37	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 19:23	AMM	Mt. Juliet, TN

BP-13 2-2.5FT L1288565-26 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 16:01 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582983	1	11/30/20 06:13	11/30/20 06:25	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 07:20	SSH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 17:28	HMH	Mt. Juliet, TN

BP-14 0-0.5FT L1288565-27 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 12:52 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582983	1	11/30/20 06:13	11/30/20 06:25	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 09:09	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 20:50	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 19:34	AMM	Mt. Juliet, TN

BP-14 2-2.5FT L1288565-28 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 10:30 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582983	1	11/30/20 06:13	11/30/20 06:25	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 07:34	SSH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	2	11/30/20 16:30	12/01/20 17:40	HMH	Mt. Juliet, TN

BP-15 0-0.5FT L1288565-29 Solid

Collected by: Chris Vertin | Collected date/time: 11/17/20 13:00 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582983	1	11/30/20 06:13	11/30/20 06:25	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 09:12	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 21:04	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 19:45	AMM	Mt. Juliet, TN

BP-15 2-2.5FT L1288565-30 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 10:52 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582984	1	11/30/20 06:27	11/30/20 06:37	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 07:47	SSH	Mt. Juliet, TN

BP-16A 0-0.5FT L1288565-31 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 10:59 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582984	1	11/30/20 06:27	11/30/20 06:37	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 09:15	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 21:17	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 19:57	AMM	Mt. Juliet, TN

BP-16 2-2.5FT L1288565-32 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 11:15 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582984	1	11/30/20 06:27	11/30/20 06:37	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 08:00	SSH	Mt. Juliet, TN

BP-17 0-0.5FT L1288565-33 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 11:30 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582984	1	11/30/20 06:27	11/30/20 06:37	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 09:19	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 21:30	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 20:07	AMM	Mt. Juliet, TN

BP-18 0-0.5FT L1288565-34 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 11:33 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582984	1	11/30/20 06:27	11/30/20 06:37	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 09:22	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 21:43	AMM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 20:16	AMM	Mt. Juliet, TN

BP-18 2-2.5FT L1288565-35 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 11:38 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582984	1	11/30/20 06:27	11/30/20 06:37	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 08:13	SSH	Mt. Juliet, TN

BP-19 0-0.5FT L1288565-36 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 11:44 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582984	1	11/30/20 06:27	11/30/20 06:37	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 11:00	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 21:57	AMM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 20:26	AMM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/02/20 10:39	AMM	Mt. Juliet, TN

BP-19 2-2.5FT L1288565-37 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 11:50 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582984	1	11/30/20 06:27	11/30/20 06:37	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 08:27	SSH	Mt. Juliet, TN

BP-20 0-0.5FT L1288565-38 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 12:10 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582984	1	11/30/20 06:27	11/30/20 06:37	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582056	5	11/24/20 17:05	11/25/20 09:26	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583808	1	12/01/20 10:07	12/01/20 22:10	AMM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583808	1	12/01/20 10:07	12/01/20 20:38	AMM	Mt. Juliet, TN

BP-16B 0-0.5FT L1288565-39 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 11:00 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582984	1	11/30/20 06:27	11/30/20 06:37	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 11:18	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 08:37	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	1	12/01/20 19:25	12/02/20 04:13	AMM	Mt. Juliet, TN

BP-21 0-0.5FT L1288565-40 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 12:16 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582985	1	11/30/20 06:38	11/30/20 06:48	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 11:21	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 08:49	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	1	12/01/20 19:25	12/02/20 04:24	AMM	Mt. Juliet, TN

BP-22 0-0.5FT L1288565-41 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 12:21 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582985	1	11/30/20 06:38	11/30/20 06:48	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 11:25	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 09:01	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	1	12/01/20 19:25	12/02/20 04:35	AMM	Mt. Juliet, TN

BP-23 0-0.5FT L1288565-42 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 12:34 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582985	1	11/30/20 06:38	11/30/20 06:48	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 11:35	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 09:14	TAB	Mt. Juliet, TN

BP-24 0-0.5FT L1288565-43 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 12:40 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582985	1	11/30/20 06:38	11/30/20 06:48	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 11:38	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 09:26	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	1	12/01/20 19:25	12/02/20 04:57	AMM	Mt. Juliet, TN

BP-25 0-0.5FT L1288565-44 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 12:45 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582985	1	11/30/20 06:38	11/30/20 06:48	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 11:42	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 09:38	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	1	12/01/20 19:25	12/02/20 05:08	AMM	Mt. Juliet, TN

BP-25 2-2.5FT L1288565-45 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 12:48 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582985	1	11/30/20 06:38	11/30/20 06:48	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 08:40	SSH	Mt. Juliet, TN

BP-26 0-0.5FT L1288565-46 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 12:58 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582985	1	11/30/20 06:38	11/30/20 06:48	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 11:45	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 09:51	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	1	12/01/20 19:25	12/02/20 05:19	AMM	Mt. Juliet, TN

BP-26 2-2.5FT L1288565-47 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 13:05 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582985	1	11/30/20 06:38	11/30/20 06:48	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583807	1	11/30/20 16:30	12/01/20 08:53	SSH	Mt. Juliet, TN

BP-27A 0-0.5FT L1288565-48 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 14:02 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582985	1	11/30/20 06:38	11/30/20 06:48	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 11:49	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 10:03	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	1	12/01/20 19:25	12/02/20 05:30	AMM	Mt. Juliet, TN

BP-27C 2-2.5FT L1288565-49 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 14:12 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582985	1	11/30/20 06:38	11/30/20 06:48	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583810	1	11/30/20 16:35	12/01/20 05:18	AMM	Mt. Juliet, TN

BP-28 0-0.5FT L1288565-50 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 14:34 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582986	1	11/27/20 19:49	11/27/20 19:56	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 11:52	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 10:16	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	1	12/01/20 19:25	12/02/20 05:41	AMM	Mt. Juliet, TN

BP-28 2-2.5FT L1288565-51 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 14:45 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582986	1	11/27/20 19:49	11/27/20 19:56	KDW	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583810	1	11/30/20 16:35	12/01/20 05:33	AMM	Mt. Juliet, TN

BP-27B 0-0.5FT L1288565-52 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 14:04 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582986	1	11/27/20 19:49	11/27/20 19:56	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 11:56	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 10:28	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	1	12/01/20 19:25	12/02/20 05:52	AMM	Mt. Juliet, TN

BP-27D 2-2.5FT L1288565-53 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 14:14 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582986	1	11/27/20 19:49	11/27/20 19:56	KDW	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583810	1	11/30/20 16:35	12/01/20 06:09	AMM	Mt. Juliet, TN

BP-30A 0-0.5FT L1288565-54 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 15:05 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582986	1	11/27/20 19:49	11/27/20 19:56	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 11:59	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 10:40	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	1	12/01/20 19:25	12/02/20 06:03	AMM	Mt. Juliet, TN

BP-30 2-2.5FT L1288565-55 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 15:14 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582986	1	11/27/20 19:49	11/27/20 19:56	KDW	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583810	1	11/30/20 16:35	12/01/20 06:24	AMM	Mt. Juliet, TN

BP-30B 0-0.5FT L1288565-56 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 15:07 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582986	1	11/27/20 19:49	11/27/20 19:56	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 12:02	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 10:53	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	1	12/01/20 19:25	12/02/20 06:15	AMM	Mt. Juliet, TN

BP-32A 0-0.5FT L1288565-57 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 15:47 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582986	1	11/27/20 19:49	11/27/20 19:56	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 12:06	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 11:05	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	1	12/01/20 19:25	12/02/20 06:26	AMM	Mt. Juliet, TN

BP-32B 0-0.5FT L1288565-58 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 15:49 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582986	1	11/27/20 19:49	11/27/20 19:56	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 12:16	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 11:17	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	1	12/01/20 19:25	12/02/20 06:37	AMM	Mt. Juliet, TN

BP-32 2-2.5FT L1288565-59 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 16:00 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582986	1	11/27/20 19:49	11/27/20 19:56	KDW	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583810	1	11/30/20 16:35	12/01/20 06:38	AMM	Mt. Juliet, TN

BP-33 0-0.5FT L1288565-60 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 16:05 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582987	1	11/30/20 07:11	11/30/20 07:22	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 12:20	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 11:30	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	1	12/01/20 19:25	12/02/20 06:49	AMM	Mt. Juliet, TN

BP-33 2-2.5FT L1288565-61 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 16:10 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582987	1	11/30/20 07:11	11/30/20 07:22	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583810	1	11/30/20 16:35	12/01/20 06:53	AMM	Mt. Juliet, TN

BP-34 0-0.5FT L1288565-62 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 16:31 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582987	1	11/30/20 07:11	11/30/20 07:22	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1581866	5	11/24/20 16:52	11/24/20 20:51	LD	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 11:42	TAB	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	2	12/01/20 19:25	12/04/20 12:46	AMM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	1	12/01/20 19:25	12/02/20 07:00	AMM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	5	12/01/20 19:25	12/02/20 12:05	AMM	Mt. Juliet, TN

BP-35 0-0.5FT L1288565-63 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 16:35 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582987	1	11/30/20 07:11	11/30/20 07:22	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 12:23	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 11:55	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	1	12/01/20 19:25	12/02/20 07:11	AMM	Mt. Juliet, TN

BP-36 0-0.5FT L1288565-64 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 16:15 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582987	1	11/30/20 07:11	11/30/20 07:22	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 12:27	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 12:07	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	1	12/01/20 19:25	12/02/20 07:22	AMM	Mt. Juliet, TN

BP-37 0-0.5FT L1288565-65 Solid

Collected by: Chris Vertin | Collected date/time: 11/18/20 16:20 | Received date/time: 11/20/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1582987	1	11/30/20 07:11	11/30/20 07:22	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1582050	5	11/24/20 22:51	11/25/20 12:30	TM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1583809	1	12/01/20 19:25	12/02/20 12:19	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1583809	1	12/01/20 19:25	12/02/20 07:34	AMM	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

Metals (ICPMS) by Method 6020

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BP-1 0-0.5FT	L1288565-01	Arsenic	4.10		0.111	1.11	5	11/25/2020 07:59	WG1582056
BP-1 0-0.5FT	L1288565-01	Lead	12.1		0.110	2.22	5	11/25/2020 07:59	WG1582056
BP-2 0-0.5FT	L1288565-03	Arsenic	5.95	J6	0.112	1.12	5	11/25/2020 07:39	WG1582056
BP-2 0-0.5FT	L1288565-03	Lead	13.3		0.110	2.23	5	11/25/2020 07:39	WG1582056
BP-3 0-0.5FT	L1288565-05	Arsenic	4.98		0.134	1.34	5	11/25/2020 08:03	WG1582056
BP-3 0-0.5FT	L1288565-05	Lead	20.1		0.133	2.68	5	11/25/2020 08:03	WG1582056
BP-4 0-0.5FT	L1288565-07	Arsenic	5.62		0.136	1.36	5	11/25/2020 08:20	WG1582056
BP-4 0-0.5FT	L1288565-07	Lead	18.1		0.135	2.72	5	11/25/2020 08:20	WG1582056
BP-5 0-0.5FT	L1288565-09	Arsenic	3.90		0.131	1.31	5	11/25/2020 08:23	WG1582056
BP-5 0-0.5FT	L1288565-09	Lead	13.9		0.130	2.62	5	11/25/2020 08:23	WG1582056
BP-6 0-0.5FT	L1288565-11	Arsenic	4.30		0.125	1.25	5	11/25/2020 08:27	WG1582056
BP-6 0-0.5FT	L1288565-11	Lead	21.6		0.124	2.50	5	11/25/2020 08:27	WG1582056
BP-7 0-0.5FT	L1288565-13	Arsenic	3.75		0.127	1.27	5	11/25/2020 08:30	WG1582056
BP-7 0-0.5FT	L1288565-13	Lead	18.3		0.126	2.54	5	11/25/2020 08:30	WG1582056
BP-8 0-0.5FT	L1288565-15	Arsenic	5.37		0.104	1.04	5	11/25/2020 08:33	WG1582056
BP-8 0-0.5FT	L1288565-15	Lead	40.9		0.103	2.08	5	11/25/2020 08:33	WG1582056
BP-9 0-0.5FT	L1288565-17	Arsenic	3.87		0.105	1.05	5	11/25/2020 08:37	WG1582056
BP-9 0-0.5FT	L1288565-17	Lead	21.0		0.104	2.09	5	11/25/2020 08:37	WG1582056
BP-10 0-0.5FT	L1288565-19	Arsenic	3.88		0.106	1.06	5	11/25/2020 08:40	WG1582056
BP-10 0-0.5FT	L1288565-19	Lead	21.6		0.105	2.12	5	11/25/2020 08:40	WG1582056
BP-11 0-0.5FT	L1288565-21	Arsenic	4.24		0.109	1.09	5	11/25/2020 08:43	WG1582056
BP-11 0-0.5FT	L1288565-21	Lead	23.1		0.108	2.17	5	11/25/2020 08:43	WG1582056
BP-12 0-0.5FT	L1288565-23	Arsenic	3.21		0.107	1.07	5	11/25/2020 08:47	WG1582056
BP-12 0-0.5FT	L1288565-23	Lead	12.4		0.106	2.13	5	11/25/2020 08:47	WG1582056
BP-13 0-0.5FT	L1288565-25	Arsenic	3.61		0.105	1.05	5	11/25/2020 08:50	WG1582056
BP-13 0-0.5FT	L1288565-25	Lead	15.5		0.104	2.10	5	11/25/2020 08:50	WG1582056
BP-14 0-0.5FT	L1288565-27	Arsenic	4.28		0.106	1.06	5	11/25/2020 09:09	WG1582056
BP-14 0-0.5FT	L1288565-27	Lead	15.2		0.105	2.12	5	11/25/2020 09:09	WG1582056
BP-15 0-0.5FT	L1288565-29	Arsenic	4.80		0.111	1.11	5	11/25/2020 09:12	WG1582056
BP-15 0-0.5FT	L1288565-29	Lead	19.9		0.109	2.21	5	11/25/2020 09:12	WG1582056
BP-16A 0-0.5FT	L1288565-31	Arsenic	3.56		0.106	1.06	5	11/25/2020 09:15	WG1582056
BP-16A 0-0.5FT	L1288565-31	Lead	12.4		0.105	2.12	5	11/25/2020 09:15	WG1582056
BP-17 0-0.5FT	L1288565-33	Arsenic	4.56		0.107	1.07	5	11/25/2020 09:19	WG1582056
BP-17 0-0.5FT	L1288565-33	Lead	12.5		0.105	2.13	5	11/25/2020 09:19	WG1582056
BP-18 0-0.5FT	L1288565-34	Arsenic	5.23		0.115	1.15	5	11/25/2020 09:22	WG1582056
BP-18 0-0.5FT	L1288565-34	Lead	16.8		0.114	2.30	5	11/25/2020 09:22	WG1582056
BP-19 0-0.5FT	L1288565-36	Arsenic	4.37	J6	0.109	1.09	5	11/25/2020 11:00	WG1582050
BP-19 0-0.5FT	L1288565-36	Lead	30.3	J6 O1	0.108	2.18	5	11/25/2020 11:00	WG1582050
BP-20 0-0.5FT	L1288565-38	Arsenic	6.32		0.106	1.06	5	11/25/2020 09:26	WG1582056
BP-20 0-0.5FT	L1288565-38	Lead	20.1		0.105	2.13	5	11/25/2020 09:26	WG1582056
BP-16B 0-0.5FT	L1288565-39	Arsenic	2.56		0.106	1.06	5	11/25/2020 11:18	WG1582050
BP-16B 0-0.5FT	L1288565-39	Lead	8.79		0.105	2.12	5	11/25/2020 11:18	WG1582050
BP-21 0-0.5FT	L1288565-40	Arsenic	5.89		0.133	1.33	5	11/25/2020 11:21	WG1582050
BP-21 0-0.5FT	L1288565-40	Lead	23.8		0.131	2.65	5	11/25/2020 11:21	WG1582050
BP-22 0-0.5FT	L1288565-41	Arsenic	5.00		0.111	1.11	5	11/25/2020 11:25	WG1582050
BP-22 0-0.5FT	L1288565-41	Lead	26.2		0.110	2.23	5	11/25/2020 11:25	WG1582050
BP-23 0-0.5FT	L1288565-42	Arsenic	3.50		0.114	1.14	5	11/25/2020 11:35	WG1582050
BP-23 0-0.5FT	L1288565-42	Lead	29.8		0.112	2.27	5	11/25/2020 11:35	WG1582050
BP-24 0-0.5FT	L1288565-43	Arsenic	2.43		0.107	1.07	5	11/25/2020 11:38	WG1582050
BP-24 0-0.5FT	L1288565-43	Lead	16.7		0.106	2.13	5	11/25/2020 11:38	WG1582050
BP-25 0-0.5FT	L1288565-44	Arsenic	3.62		0.107	1.07	5	11/25/2020 11:42	WG1582050
BP-25 0-0.5FT	L1288565-44	Lead	19.3		0.106	2.14	5	11/25/2020 11:42	WG1582050
BP-26 0-0.5FT	L1288565-46	Arsenic	3.12		0.106	1.06	5	11/25/2020 11:45	WG1582050
BP-26 0-0.5FT	L1288565-46	Lead	26.8		0.105	2.12	5	11/25/2020 11:45	WG1582050
BP-27A 0-0.5FT	L1288565-48	Arsenic	3.57		0.108	1.08	5	11/25/2020 11:49	WG1582050
BP-27A 0-0.5FT	L1288565-48	Lead	22.4		0.107	2.17	5	11/25/2020 11:49	WG1582050

Metals (ICPMS) by Method 6020

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BP-28 0-0.5FT	L1288565-50	Arsenic	4.12		0.129	1.29	5	11/25/2020 11:52	WG1582050
BP-28 0-0.5FT	L1288565-50	Lead	23.8		0.128	2.59	5	11/25/2020 11:52	WG1582050
BP-27B 0-0.5FT	L1288565-52	Arsenic	3.26		0.106	1.06	5	11/25/2020 11:56	WG1582050
BP-27B 0-0.5FT	L1288565-52	Lead	18.8		0.105	2.13	5	11/25/2020 11:56	WG1582050
BP-30A 0-0.5FT	L1288565-54	Arsenic	4.47		0.105	1.05	5	11/25/2020 11:59	WG1582050
BP-30A 0-0.5FT	L1288565-54	Lead	20.4		0.103	2.09	5	11/25/2020 11:59	WG1582050
BP-30B 0-0.5FT	L1288565-56	Arsenic	4.48		0.111	1.11	5	11/25/2020 12:02	WG1582050
BP-30B 0-0.5FT	L1288565-56	Lead	17.2		0.110	2.23	5	11/25/2020 12:02	WG1582050
BP-32A 0-0.5FT	L1288565-57	Arsenic	4.38		0.112	1.12	5	11/25/2020 12:06	WG1582050
BP-32A 0-0.5FT	L1288565-57	Lead	13.0		0.111	2.25	5	11/25/2020 12:06	WG1582050
BP-32B 0-0.5FT	L1288565-58	Arsenic	4.54		0.122	1.22	5	11/25/2020 12:16	WG1582050
BP-32B 0-0.5FT	L1288565-58	Lead	12.2		0.121	2.44	5	11/25/2020 12:16	WG1582050
BP-33 0-0.5FT	L1288565-60	Arsenic	4.50		0.105	1.05	5	11/25/2020 12:20	WG1582050
BP-33 0-0.5FT	L1288565-60	Lead	15.1		0.104	2.10	5	11/25/2020 12:20	WG1582050
BP-34 0-0.5FT	L1288565-62	Arsenic	2.98		0.117	1.17	5	11/24/2020 20:51	WG1581866
BP-34 0-0.5FT	L1288565-62	Lead	123	J5	0.116	2.34	5	11/24/2020 20:51	WG1581866
BP-35 0-0.5FT	L1288565-63	Arsenic	3.62		0.125	1.25	5	11/25/2020 12:23	WG1582050
BP-35 0-0.5FT	L1288565-63	Lead	81.8		0.124	2.50	5	11/25/2020 12:23	WG1582050
BP-36 0-0.5FT	L1288565-64	Arsenic	5.01		0.111	1.11	5	11/25/2020 12:27	WG1582050
BP-36 0-0.5FT	L1288565-64	Lead	25.5		0.109	2.21	5	11/25/2020 12:27	WG1582050
BP-37 0-0.5FT	L1288565-65	Arsenic	3.81		0.105	1.05	5	11/25/2020 12:30	WG1582050
BP-37 0-0.5FT	L1288565-65	Lead	39.1		0.104	2.10	5	11/25/2020 12:30	WG1582050

Pesticides (GC) by Method 8081

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BP-1 0-0.5FT	L1288565-01	4,4-DDE	0.00630	J	0.00405	0.0222	1	12/01/2020 17:32	WG1583808
BP-1 2-2.5FT	L1288565-02	4,4-DDD	0.00666	J	0.00434	0.0234	1	12/01/2020 04:15	WG1583807
BP-1 2-2.5FT	L1288565-02	4,4-DDE	0.0527	J5	0.00429	0.0234	1	12/01/2020 04:15	WG1583807
BP-2 2-2.5FT	L1288565-04	4,4-DDD	0.0214	J	0.00426	0.0230	1	12/01/2020 04:55	WG1583807
BP-2 2-2.5FT	L1288565-04	4,4-DDE	0.236		0.00421	0.0230	1	12/01/2020 04:55	WG1583807
BP-2 2-2.5FT	L1288565-04	4,4-DDT	0.0800		0.00722	0.0230	1	12/01/2020 16:26	WG1583807
BP-3 0-0.5FT	L1288565-05	4,4-DDE	0.0508		0.00490	0.0268	1	12/01/2020 18:25	WG1583808
BP-3 2-2.5FT	L1288565-06	4,4-DDD	0.0294		0.00422	0.0228	1	12/01/2020 05:08	WG1583807
BP-3 2-2.5FT	L1288565-06	4,4-DDE	0.0632		0.00418	0.0228	1	12/01/2020 05:08	WG1583807
BP-4 0-0.5FT	L1288565-07	4,4-DDE	0.0226	J	0.00498	0.0272	1	12/01/2020 18:38	WG1583808
BP-4 2-2.5FT	L1288565-08	4,4-DDE	0.0108	J	0.00432	0.0236	1	12/01/2020 05:21	WG1583807
BP-5 0-0.5FT	L1288565-09	4,4-DDE	0.0160	J	0.00479	0.0262	1	12/01/2020 18:51	WG1583808
BP-6 0-0.5FT	L1288565-11	4,4-DDE	0.0616		0.00458	0.0250	1	12/01/2020 19:05	WG1583808
BP-6 2-2.5FT	L1288565-12	4,4-DDE	0.0758		0.00415	0.0227	1	12/01/2020 05:48	WG1583807
BP-6 2-2.5FT	L1288565-12	4,4-DDT	0.0214	J	0.00711	0.0227	1	12/01/2020 05:48	WG1583807
BP-7 0-0.5FT	L1288565-13	4,4-DDE	0.0634		0.00464	0.0254	1	12/01/2020 19:18	WG1583808
BP-7 2-2.5FT	L1288565-14	4,4-DDD	0.00749	J	0.00426	0.0230	1	12/01/2020 06:01	WG1583807
BP-7 2-2.5FT	L1288565-14	4,4-DDE	0.190		0.00422	0.0230	1	12/01/2020 06:01	WG1583807
BP-7 2-2.5FT	L1288565-14	4,4-DDT	0.0385		0.00723	0.0230	1	12/01/2020 16:38	WG1583807
BP-8 0-0.5FT	L1288565-15	4,4-DDD	0.00794	J	0.00385	0.0208	1	12/01/2020 19:31	WG1583808
BP-8 0-0.5FT	L1288565-15	4,4-DDE	0.0773		0.00381	0.0208	1	12/01/2020 19:31	WG1583808
BP-8 0-0.5FT	L1288565-15	4,4-DDT	0.0377		0.00652	0.0208	1	12/01/2020 19:31	WG1583808
BP-8 2-2.5FT	L1288565-16	4,4-DDD	0.00424	J	0.00407	0.0220	1	12/01/2020 06:14	WG1583807
BP-8 2-2.5FT	L1288565-16	4,4-DDE	0.0562		0.00402	0.0220	1	12/01/2020 06:14	WG1583807
BP-8 2-2.5FT	L1288565-16	4,4-DDT	0.00873	J	0.00689	0.0220	1	12/01/2020 06:14	WG1583807
BP-9 0-0.5FT	L1288565-17	4,4-DDD	0.00789	J	0.00387	0.0209	1	12/01/2020 19:44	WG1583808
BP-9 0-0.5FT	L1288565-17	4,4-DDE	0.0521		0.00383	0.0209	1	12/01/2020 19:44	WG1583808
BP-9 0-0.5FT	L1288565-17	4,4-DDT	0.0377		0.00656	0.0209	1	12/01/2020 19:44	WG1583808

Pesticides (GC) by Method 8081

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BP-10 0-0.5FT	L1288565-19	4,4-DDD	0.0180	J	0.00392	0.0212	1	12/01/2020 19:57	WG1583808
BP-10 0-0.5FT	L1288565-19	4,4-DDE	0.143		0.00387	0.0212	1	12/01/2020 19:57	WG1583808
BP-10 0-0.5FT	L1288565-19	4,4-DDT	0.0913		0.00664	0.0212	1	12/01/2020 19:57	WG1583808
BP-10 2-2.5FT	L1288565-20	4,4-DDD	0.00544	J	0.00397	0.0215	1	12/01/2020 06:41	WG1583807
BP-10 2-2.5FT	L1288565-20	4,4-DDE	0.110		0.00393	0.0215	1	12/01/2020 06:41	WG1583807
BP-10 2-2.5FT	L1288565-20	4,4-DDT	0.0247		0.00673	0.0215	1	12/01/2020 16:51	WG1583807
BP-11 0-0.5FT	L1288565-21	4,4-DDD	0.00709	J	0.00402	0.0217	1	12/01/2020 20:11	WG1583808
BP-11 0-0.5FT	L1288565-21	4,4-DDE	0.0824		0.00398	0.0217	1	12/01/2020 20:11	WG1583808
BP-11 0-0.5FT	L1288565-21	4,4-DDT	0.0264		0.00682	0.0217	1	12/01/2020 20:11	WG1583808
BP-11 2-2.5FT	L1288565-22	4,4-DDD	0.0192	J	0.00410	0.0222	1	12/01/2020 06:54	WG1583807
BP-11 2-2.5FT	L1288565-22	4,4-DDE	0.294		0.00406	0.0222	1	12/01/2020 06:54	WG1583807
BP-11 2-2.5FT	L1288565-22	4,4-DDT	0.125		0.00696	0.0222	1	12/01/2020 17:03	WG1583807
BP-12 0-0.5FT	L1288565-23	4,4-DDD	0.00520	J	0.00395	0.0213	1	12/01/2020 20:24	WG1583808
BP-12 0-0.5FT	L1288565-23	4,4-DDE	0.0539		0.00391	0.0213	1	12/01/2020 20:24	WG1583808
BP-12 0-0.5FT	L1288565-23	4,4-DDT	0.0187	J P	0.00669	0.0213	1	12/01/2020 20:24	WG1583808
BP-12 2-2.5FT	L1288565-24	4,4-DDD	0.00406	J	0.00405	0.0219	1	12/01/2020 07:07	WG1583807
BP-12 2-2.5FT	L1288565-24	4,4-DDE	0.189		0.00400	0.0219	1	12/01/2020 07:07	WG1583807
BP-12 2-2.5FT	L1288565-24	4,4-DDT	0.0308		0.00686	0.0219	1	12/01/2020 17:15	WG1583807
BP-13 0-0.5FT	L1288565-25	4,4-DDD	0.00708	J	0.00388	0.0210	1	12/01/2020 20:37	WG1583808
BP-13 0-0.5FT	L1288565-25	4,4-DDE	0.0641		0.00383	0.0210	1	12/01/2020 20:37	WG1583808
BP-13 0-0.5FT	L1288565-25	4,4-DDT	0.0194	J	0.00657	0.0210	1	12/01/2020 20:37	WG1583808
BP-13 2-2.5FT	L1288565-26	4,4-DDD	0.00973	J	0.00399	0.0216	1	12/01/2020 07:20	WG1583807
BP-13 2-2.5FT	L1288565-26	4,4-DDE	0.385		0.00395	0.0216	1	12/01/2020 07:20	WG1583807
BP-13 2-2.5FT	L1288565-26	4,4-DDT	0.155		0.00677	0.0216	1	12/01/2020 17:28	WG1583807
BP-14 0-0.5FT	L1288565-27	4,4-DDD	0.0133	J	0.00392	0.0212	1	12/01/2020 20:50	WG1583808
BP-14 0-0.5FT	L1288565-27	4,4-DDE	0.0859		0.00387	0.0212	1	12/01/2020 20:50	WG1583808
BP-14 0-0.5FT	L1288565-27	4,4-DDT	0.0439		0.00664	0.0212	1	12/01/2020 20:50	WG1583808
BP-14 2-2.5FT	L1288565-28	4,4-DDD	0.0165	J	0.00399	0.0216	1	12/01/2020 07:34	WG1583807
BP-14 2-2.5FT	L1288565-28	4,4-DDE	0.777		0.00789	0.0431	2	12/01/2020 17:40	WG1583807
BP-14 2-2.5FT	L1288565-28	4,4-DDT	0.215		0.0135	0.0431	2	12/01/2020 17:40	WG1583807
BP-15 0-0.5FT	L1288565-29	4,4-DDD	0.0134	J	0.00409	0.0221	1	12/01/2020 21:04	WG1583808
BP-15 0-0.5FT	L1288565-29	4,4-DDE	0.113		0.00405	0.0221	1	12/01/2020 21:04	WG1583808
BP-15 0-0.5FT	L1288565-29	4,4-DDT	0.0493		0.00693	0.0221	1	12/01/2020 21:04	WG1583808
BP-15 2-2.5FT	L1288565-30	4,4-DDE	0.0941	P	0.00407	0.0222	1	12/01/2020 07:47	WG1583807
BP-15 2-2.5FT	L1288565-30	4,4-DDT	0.0115	J	0.00697	0.0222	1	12/01/2020 07:47	WG1583807
BP-16A 0-0.5FT	L1288565-31	4,4-DDD	0.0145	J	0.00392	0.0212	1	12/01/2020 21:17	WG1583808
BP-16A 0-0.5FT	L1288565-31	4,4-DDE	0.116		0.00387	0.0212	1	12/01/2020 21:17	WG1583808
BP-16A 0-0.5FT	L1288565-31	4,4-DDT	0.0323		0.00664	0.0212	1	12/01/2020 21:17	WG1583808
BP-16 2-2.5FT	L1288565-32	4,4-DDE	0.00519	J	0.00377	0.0206	1	12/01/2020 08:00	WG1583807
BP-17 0-0.5FT	L1288565-33	4,4-DDD	0.0150	J	0.00394	0.0213	1	12/01/2020 21:30	WG1583808
BP-17 0-0.5FT	L1288565-33	4,4-DDE	0.115		0.00390	0.0213	1	12/01/2020 21:30	WG1583808
BP-17 0-0.5FT	L1288565-33	4,4-DDT	0.0373	P	0.00668	0.0213	1	12/01/2020 21:30	WG1583808
BP-18 0-0.5FT	L1288565-34	4,4-DDD	0.00527	J	0.00425	0.0230	1	12/01/2020 21:43	WG1583808
BP-18 0-0.5FT	L1288565-34	4,4-DDE	0.0437		0.00420	0.0230	1	12/01/2020 21:43	WG1583808
BP-18 0-0.5FT	L1288565-34	4,4-DDT	0.0183	J	0.00720	0.0230	1	12/01/2020 21:43	WG1583808
BP-18 2-2.5FT	L1288565-35	4,4-DDE	0.0319		0.00406	0.0222	1	12/01/2020 08:13	WG1583807
BP-18 2-2.5FT	L1288565-35	4,4-DDT	0.0110	J	0.00696	0.0222	1	12/01/2020 08:13	WG1583807
BP-19 0-0.5FT	L1288565-36	4,4-DDD	0.0384		0.00403	0.0218	1	12/01/2020 21:57	WG1583808
BP-19 0-0.5FT	L1288565-36	4,4-DDE	0.265		0.00399	0.0218	1	12/01/2020 21:57	WG1583808
BP-19 0-0.5FT	L1288565-36	4,4-DDT	0.156		0.00683	0.0218	1	12/01/2020 21:57	WG1583808
BP-19 2-2.5FT	L1288565-37	4,4-DDE	0.0377		0.00401	0.0219	1	12/01/2020 08:27	WG1583807
BP-19 2-2.5FT	L1288565-37	4,4-DDT	0.0125	J	0.00687	0.0219	1	12/01/2020 08:27	WG1583807
BP-20 0-0.5FT	L1288565-38	4,4-DDD	0.0144	J	0.00393	0.0213	1	12/01/2020 22:10	WG1583808
BP-20 0-0.5FT	L1288565-38	4,4-DDE	0.161		0.00389	0.0213	1	12/01/2020 22:10	WG1583808
BP-20 0-0.5FT	L1288565-38	4,4-DDT	0.0303	P	0.00667	0.0213	1	12/01/2020 22:10	WG1583808

Pesticides (GC) by Method 8081

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BP-16B 0-0.5FT	L1288565-39	4,4-DDD	0.00727	J	0.00392	0.0212	1	12/02/2020 08:37	WG1583809
BP-16B 0-0.5FT	L1288565-39	4,4-DDE	0.102		0.00388	0.0212	1	12/02/2020 08:37	WG1583809
BP-16B 0-0.5FT	L1288565-39	4,4-DDT	0.0425		0.00664	0.0212	1	12/02/2020 08:37	WG1583809
BP-21 0-0.5FT	L1288565-40	4,4-DDE	0.0433		0.00486	0.0265	1	12/02/2020 08:49	WG1583809
BP-21 0-0.5FT	L1288565-40	4,4-DDT	0.0129	J	0.00832	0.0265	1	12/02/2020 08:49	WG1583809
BP-22 0-0.5FT	L1288565-41	4,4-DDD	0.00467	J	0.00412	0.0223	1	12/02/2020 09:01	WG1583809
BP-22 0-0.5FT	L1288565-41	4,4-DDE	0.101		0.00408	0.0223	1	12/02/2020 09:01	WG1583809
BP-22 0-0.5FT	L1288565-41	4,4-DDT	0.0722		0.00698	0.0223	1	12/02/2020 09:01	WG1583809
BP-23 0-0.5FT	L1288565-42	4,4-DDD	0.00421	J	0.00420	0.0227	1	12/02/2020 09:14	WG1583809
BP-23 0-0.5FT	L1288565-42	4,4-DDE	0.0596		0.00416	0.0227	1	12/02/2020 09:14	WG1583809
BP-23 0-0.5FT	L1288565-42	4,4-DDT	0.0407		0.00712	0.0227	1	12/02/2020 09:14	WG1583809
BP-24 0-0.5FT	L1288565-43	4,4-DDD	0.00545	J	0.00395	0.0213	1	12/02/2020 09:26	WG1583809
BP-24 0-0.5FT	L1288565-43	4,4-DDE	0.101		0.00391	0.0213	1	12/02/2020 09:26	WG1583809
BP-24 0-0.5FT	L1288565-43	4,4-DDT	0.0649		0.00669	0.0213	1	12/02/2020 09:26	WG1583809
BP-25 0-0.5FT	L1288565-44	4,4-DDE	0.105		0.00392	0.0214	1	12/02/2020 09:38	WG1583809
BP-25 0-0.5FT	L1288565-44	4,4-DDT	0.0406		0.00672	0.0214	1	12/02/2020 09:38	WG1583809
BP-25 2-2.5FT	L1288565-45	4,4-DDE	0.0322		0.00468	0.0256	1	12/01/2020 08:40	WG1583807
BP-26 0-0.5FT	L1288565-46	4,4-DDD	0.00688	J	0.00392	0.0212	1	12/02/2020 09:51	WG1583809
BP-26 0-0.5FT	L1288565-46	4,4-DDE	0.0951		0.00387	0.0212	1	12/02/2020 09:51	WG1583809
BP-26 0-0.5FT	L1288565-46	4,4-DDT	0.0752		0.00664	0.0212	1	12/02/2020 09:51	WG1583809
BP-27A 0-0.5FT	L1288565-48	4,4-DDD	0.00602	J	0.00401	0.0217	1	12/02/2020 10:03	WG1583809
BP-27A 0-0.5FT	L1288565-48	4,4-DDE	0.0968		0.00396	0.0217	1	12/02/2020 10:03	WG1583809
BP-27A 0-0.5FT	L1288565-48	4,4-DDT	0.0644		0.00679	0.0217	1	12/02/2020 10:03	WG1583809
BP-28 0-0.5FT	L1288565-50	4,4-DDE	0.0141	J	0.00473	0.0259	1	12/02/2020 10:16	WG1583809
BP-28 2-2.5FT	L1288565-51	4,4-DDE	0.0351		0.00424	0.0232	1	12/01/2020 05:33	WG1583810
BP-28 2-2.5FT	L1288565-51	4,4-DDT	0.0112	J	0.00726	0.0232	1	12/01/2020 05:33	WG1583810
BP-27B 0-0.5FT	L1288565-52	4,4-DDD	0.00627	J	0.00394	0.0213	1	12/02/2020 10:28	WG1583809
BP-27B 0-0.5FT	L1288565-52	4,4-DDE	0.0988		0.00389	0.0213	1	12/02/2020 10:28	WG1583809
BP-27B 0-0.5FT	L1288565-52	4,4-DDT	0.0618		0.00667	0.0213	1	12/02/2020 10:28	WG1583809
BP-30A 0-0.5FT	L1288565-54	4,4-DDD	0.00799	J	0.00387	0.0209	1	12/02/2020 10:40	WG1583809
BP-30A 0-0.5FT	L1288565-54	4,4-DDE	0.0867		0.00383	0.0209	1	12/02/2020 10:40	WG1583809
BP-30A 0-0.5FT	L1288565-54	4,4-DDT	0.0416		0.00655	0.0209	1	12/02/2020 10:40	WG1583809
BP-30A 0-0.5FT	L1288565-54	Chlordane	0.292	J	0.108	0.314	1	12/02/2020 10:40	WG1583809
BP-30B 0-0.5FT	L1288565-56	4,4-DDD	0.00627	J	0.00412	0.0223	1	12/02/2020 10:53	WG1583809
BP-30B 0-0.5FT	L1288565-56	4,4-DDE	0.0577		0.00408	0.0223	1	12/02/2020 10:53	WG1583809
BP-30B 0-0.5FT	L1288565-56	4,4-DDT	0.0224		0.00699	0.0223	1	12/02/2020 10:53	WG1583809
BP-30B 0-0.5FT	L1288565-56	Chlordane	0.243	J	0.115	0.334	1	12/02/2020 10:53	WG1583809
BP-32A 0-0.5FT	L1288565-57	4,4-DDE	0.0262		0.00411	0.0225	1	12/02/2020 11:05	WG1583809
BP-32A 0-0.5FT	L1288565-57	4,4-DDT	0.0354		0.00705	0.0225	1	12/02/2020 11:05	WG1583809
BP-32B 0-0.5FT	L1288565-58	4,4-DDE	0.0112	J	0.00447	0.0244	1	12/02/2020 11:17	WG1583809
BP-32B 0-0.5FT	L1288565-58	4,4-DDT	0.0162	J	0.00766	0.0244	1	12/02/2020 11:17	WG1583809
BP-33 0-0.5FT	L1288565-60	4,4-DDE	0.0189	J	0.00385	0.0210	1	12/02/2020 11:30	WG1583809
BP-33 0-0.5FT	L1288565-60	4,4-DDT	0.0412		0.00659	0.0210	1	12/02/2020 11:30	WG1583809
BP-34 0-0.5FT	L1288565-62	4,4-DDD	0.0414		0.00433	0.0234	1	12/02/2020 11:42	WG1583809
BP-34 0-0.5FT	L1288565-62	4,4-DDE	0.0447	P	0.00428	0.0234	1	12/02/2020 11:42	WG1583809
BP-34 0-0.5FT	L1288565-62	4,4-DDT	0.659	P	0.0146	0.0468	2	12/04/2020 12:46	WG1583809
BP-34 0-0.5FT	L1288565-62	Chlordane	2.07		0.120	0.351	1	12/02/2020 11:42	WG1583809
BP-35 0-0.5FT	L1288565-63	4,4-DDD	0.0247	J	0.00463	0.0250	1	12/02/2020 11:55	WG1583809
BP-35 0-0.5FT	L1288565-63	4,4-DDE	0.0592		0.00458	0.0250	1	12/02/2020 11:55	WG1583809
BP-35 0-0.5FT	L1288565-63	4,4-DDT	0.0642	P	0.00785	0.0250	1	12/02/2020 11:55	WG1583809
BP-37 0-0.5FT	L1288565-65	4,4-DDE	0.0350		0.00384	0.0210	1	12/02/2020 12:19	WG1583809
BP-37 0-0.5FT	L1288565-65	4,4-DDT	0.0144	J	0.00658	0.0210	1	12/02/2020 12:19	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Client ID	Lab Sample ID	Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
			mg/kg		mg/kg	mg/kg		date / time	
BP-12 0-0.5FT	L1288565-23	PCB 1254	0.145		0.00788	0.0181	1	12/02/2020 10:29	WG1583808
BP-19 0-0.5FT	L1288565-36	PCB 1254	0.652	P	0.00804	0.0185	1	12/02/2020 10:39	WG1583808
BP-21 0-0.5FT	L1288565-40	PCB 1254	0.0532		0.00980	0.0226	1	12/02/2020 04:24	WG1583809
BP-22 0-0.5FT	L1288565-41	PCB 1254	0.245		0.00822	0.0189	1	12/02/2020 04:35	WG1583809
BP-32A 0-0.5FT	L1288565-57	PCB 1254	0.402		0.00830	0.0191	1	12/02/2020 06:26	WG1583809
BP-32B 0-0.5FT	L1288565-58	PCB 1254	0.180		0.00901	0.0208	1	12/02/2020 06:37	WG1583809
BP-33 0-0.5FT	L1288565-60	PCB 1254	0.434		0.00776	0.0179	1	12/02/2020 06:49	WG1583809
BP-34 0-0.5FT	L1288565-62	PCB 1254	4.08		0.0432	0.0994	5	12/02/2020 12:05	WG1583809
BP-35 0-0.5FT	L1288565-63	PCB 1254	0.443		0.00924	0.0213	1	12/02/2020 07:11	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.3		1	11/30/2020 09:01	WG1582981

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.10		0.111	1.11	5	11/25/2020 07:59	WG1582056
Lead	12.1		0.110	2.22	5	11/25/2020 07:59	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00416	0.0222	1	12/01/2020 17:32	WG1583808
Alpha BHC	U		0.00408	0.0222	1	12/01/2020 17:32	WG1583808
Beta BHC	U		0.00420	0.0222	1	12/01/2020 17:32	WG1583808
Delta BHC	U		0.00383	0.0222	1	12/01/2020 17:32	WG1583808
Gamma BHC	U		0.00381	0.0222	1	12/01/2020 17:32	WG1583808
4,4-DDD	U		0.00410	0.0222	1	12/01/2020 17:32	WG1583808
4,4-DDE	0.00630	J	0.00405	0.0222	1	12/01/2020 17:32	WG1583808
4,4-DDT	U		0.00694	0.0222	1	12/01/2020 17:32	WG1583808
Dieldrin	U		0.00381	0.0222	1	12/01/2020 17:32	WG1583808
Endosulfan I	U		0.00402	0.0222	1	12/01/2020 17:32	WG1583808
Endosulfan II	U		0.00371	0.0222	1	12/01/2020 17:32	WG1583808
Endosulfan sulfate	U		0.00403	0.0222	1	12/01/2020 17:32	WG1583808
Endrin	U		0.00388	0.0222	1	12/01/2020 17:32	WG1583808
Endrin aldehyde	U		0.00375	0.0222	1	12/01/2020 17:32	WG1583808
Endrin ketone	U		0.00787	0.0222	1	12/01/2020 17:32	WG1583808
Heptachlor	U		0.00474	0.0222	1	12/01/2020 17:32	WG1583808
Heptachlor epoxide	U		0.00375	0.0222	1	12/01/2020 17:32	WG1583808
Hexachlorobenzene	U		0.00383	0.0222	1	12/01/2020 17:32	WG1583808
Methoxychlor	U		0.00536	0.0222	1	12/01/2020 17:32	WG1583808
Chlordane	U		0.114	0.332	1	12/01/2020 17:32	WG1583808
Toxaphene	U		0.137	0.443	1	12/01/2020 17:32	WG1583808
(S) Decachlorobiphenyl	*102*			*10.0-135*		*12/01/2020 17:32*	WG1583808
(S) Tetrachloro-m-xylene	*93.2*			*10.0-139*		*12/01/2020 17:32*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0131	0.0377	1	12/01/2020 16:59	WG1583808
PCB 1221	U		0.0131	0.0377	1	12/01/2020 16:59	WG1583808
PCB 1232	U		0.0131	0.0377	1	12/01/2020 16:59	WG1583808
PCB 1242	U		0.0131	0.0377	1	12/01/2020 16:59	WG1583808
PCB 1248	U		0.00817	0.0188	1	12/01/2020 16:59	WG1583808
PCB 1254	U		0.00817	0.0188	1	12/01/2020 16:59	WG1583808
PCB 1260	U		0.00817	0.0188	1	12/01/2020 16:59	WG1583808
(S) Decachlorobiphenyl	*104*			*10.0-135*		*12/01/2020 16:59*	WG1583808
(S) Tetrachloro-m-xylene	*91.9*			*10.0-139*		*12/01/2020 16:59*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.3		1	11/30/2020 09:01	WG1582981

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00441	0.0234	1	12/01/2020 04:15	WG1583807
Alpha BHC	U		0.00431	0.0234	1	12/01/2020 04:15	WG1583807
Beta BHC	U		0.00444	0.0234	1	12/01/2020 04:15	WG1583807
Delta BHC	U		0.00405	0.0234	1	12/01/2020 04:15	WG1583807
Gamma BHC	U		0.00403	0.0234	1	12/01/2020 04:15	WG1583807
4,4-DDD	0.00666	J	0.00434	0.0234	1	12/01/2020 04:15	WG1583807
4,4-DDE	0.0527	J5	0.00429	0.0234	1	12/01/2020 04:15	WG1583807
4,4-DDT	U		0.00735	0.0234	1	12/01/2020 04:15	WG1583807
Dieldrin	U		0.00403	0.0234	1	12/01/2020 04:15	WG1583807
Endosulfan I	U		0.00425	0.0234	1	12/01/2020 04:15	WG1583807
Endosulfan II	U		0.00393	0.0234	1	12/01/2020 04:15	WG1583807
Endosulfan sulfate	U		0.00427	0.0234	1	12/01/2020 04:15	WG1583807
Endrin	U		0.00410	0.0234	1	12/01/2020 04:15	WG1583807
Endrin aldehyde	U		0.00397	0.0234	1	12/01/2020 04:15	WG1583807
Endrin ketone	U		0.00833	0.0234	1	12/01/2020 04:15	WG1583807
Heptachlor	U		0.00502	0.0234	1	12/01/2020 04:15	WG1583807
Heptachlor epoxide	U		0.00397	0.0234	1	12/01/2020 04:15	WG1583807
Hexachlorobenzene	U		0.00405	0.0234	1	12/01/2020 04:15	WG1583807
Methoxychlor	U		0.00567	0.0234	1	12/01/2020 04:15	WG1583807
Chlordane	U		0.121	0.352	1	12/01/2020 04:15	WG1583807
Toxaphene	U		0.145	0.469	1	12/01/2020 04:15	WG1583807
(S) Decachlorobiphenyl	*87.0*			*10.0-135*		*12/01/2020 04:15*	WG1583807
(S) Tetrachloro-m-xylene	*81.4*			*10.0-139*		*12/01/2020 04:15*	WG1583807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	11/30/2020 09:01	WG1582981

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	5.95	J6	0.112	1.12	5	11/25/2020 07:39	WG1582056
Lead	13.3		0.110	2.23	5	11/25/2020 07:39	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00420	0.0223	1	12/01/2020 18:11	WG1583808
Alpha BHC	U		0.00411	0.0223	1	12/01/2020 18:11	WG1583808
Beta BHC	U		0.00423	0.0223	1	12/01/2020 18:11	WG1583808
Delta BHC	U		0.00386	0.0223	1	12/01/2020 18:11	WG1583808
Gamma BHC	U		0.00384	0.0223	1	12/01/2020 18:11	WG1583808
4,4-DDD	U		0.00413	0.0223	1	12/01/2020 18:11	WG1583808
4,4-DDE	U		0.00408	0.0223	1	12/01/2020 18:11	WG1583808
4,4-DDT	U		0.00700	0.0223	1	12/01/2020 18:11	WG1583808
Dieldrin	U		0.00384	0.0223	1	12/01/2020 18:11	WG1583808
Endosulfan I	U		0.00405	0.0223	1	12/01/2020 18:11	WG1583808
Endosulfan II	U		0.00374	0.0223	1	12/01/2020 18:11	WG1583808
Endosulfan sulfate	U		0.00406	0.0223	1	12/01/2020 18:11	WG1583808
Endrin	U		0.00391	0.0223	1	12/01/2020 18:11	WG1583808
Endrin aldehyde	U		0.00378	0.0223	1	12/01/2020 18:11	WG1583808
Endrin ketone	U		0.00793	0.0223	1	12/01/2020 18:11	WG1583808
Heptachlor	U		0.00478	0.0223	1	12/01/2020 18:11	WG1583808
Heptachlor epoxide	U		0.00378	0.0223	1	12/01/2020 18:11	WG1583808
Hexachlorobenzene	U		0.00386	0.0223	1	12/01/2020 18:11	WG1583808
Methoxychlor	U		0.00540	0.0223	1	12/01/2020 18:11	WG1583808
Chlordane	U		0.115	0.335	1	12/01/2020 18:11	WG1583808
Toxaphene	U		0.138	0.446	1	12/01/2020 18:11	WG1583808
(S) Decachlorobiphenyl	*91.8*			*10.0-135*		*12/01/2020 18:11*	WG1583808
(S) Tetrachloro-m-xylene	*82.7*			*10.0-139*		*12/01/2020 18:11*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0132	0.0379	1	12/01/2020 17:31	WG1583808
PCB 1221	U		0.0132	0.0379	1	12/01/2020 17:31	WG1583808
PCB 1232	U		0.0132	0.0379	1	12/01/2020 17:31	WG1583808
PCB 1242	U		0.0132	0.0379	1	12/01/2020 17:31	WG1583808
PCB 1248	U		0.00823	0.0190	1	12/01/2020 17:31	WG1583808
PCB 1254	U		0.00823	0.0190	1	12/01/2020 17:31	WG1583808
PCB 1260	U		0.00823	0.0190	1	12/01/2020 17:31	WG1583808
(S) Decachlorobiphenyl	*104*			*10.0-135*		*12/01/2020 17:31*	WG1583808
(S) Tetrachloro-m-xylene	*83.8*			*10.0-139*		*12/01/2020 17:31*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	11/30/2020 09:01	WG1582981

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00433	0.0230	1	12/01/2020 04:55	WG1583807
Alpha BHC	U		0.00423	0.0230	1	12/01/2020 04:55	WG1583807
Beta BHC	U		0.00436	0.0230	1	12/01/2020 04:55	WG1583807
Delta BHC	U		0.00398	0.0230	1	12/01/2020 04:55	WG1583807
Gamma BHC	U		0.00396	0.0230	1	12/01/2020 04:55	WG1583807
4,4-DDD	0.0214	J	0.00426	0.0230	1	12/01/2020 04:55	WG1583807
4,4-DDE	0.236		0.00421	0.0230	1	12/01/2020 04:55	WG1583807
4,4-DDT	0.0800		0.00722	0.0230	1	12/01/2020 16:26	WG1583807
Dieldrin	U		0.00396	0.0230	1	12/01/2020 04:55	WG1583807
Endosulfan I	U		0.00418	0.0230	1	12/01/2020 04:55	WG1583807
Endosulfan II	U		0.00386	0.0230	1	12/01/2020 04:55	WG1583807
Endosulfan sulfate	U		0.00419	0.0230	1	12/01/2020 04:55	WG1583807
Endrin	U		0.00403	0.0230	1	12/01/2020 04:55	WG1583807
Endrin aldehyde	U		0.00390	0.0230	1	12/01/2020 04:55	WG1583807
Endrin ketone	U		0.00818	0.0230	1	12/01/2020 04:55	WG1583807
Heptachlor	U		0.00493	0.0230	1	12/01/2020 04:55	WG1583807
Heptachlor epoxide	U		0.00390	0.0230	1	12/01/2020 04:55	WG1583807
Hexachlorobenzene	U		0.00398	0.0230	1	12/01/2020 04:55	WG1583807
Methoxychlor	U		0.00557	0.0230	1	12/01/2020 04:55	WG1583807
Chlordane	U		0.119	0.345	1	12/01/2020 04:55	WG1583807
Toxaphene	U		0.143	0.460	1	12/01/2020 04:55	WG1583807
(S) Decachlorobiphenyl	*88.2*			*10.0-135*		*12/01/2020 04:55*	WG1583807
(S) Decachlorobiphenyl	*83.3*			*10.0-135*		*12/01/2020 16:26*	WG1583807
(S) Tetrachloro-m-xylene	*79.9*			*10.0-139*		*12/01/2020 16:26*	WG1583807
(S) Tetrachloro-m-xylene	*82.5*			*10.0-139*		*12/01/2020 04:55*	WG1583807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.6		1	11/30/2020 09:01	WG1582981

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.98		0.134	1.34	5	11/25/2020 08:03	WG1582056
Lead	20.1		0.133	2.68	5	11/25/2020 08:03	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00504	0.0268	1	12/01/2020 18:25	WG1583808
Alpha BHC	U		0.00493	0.0268	1	12/01/2020 18:25	WG1583808
Beta BHC	U		0.00508	0.0268	1	12/01/2020 18:25	WG1583808
Delta BHC	U		0.00464	0.0268	1	12/01/2020 18:25	WG1583808
Gamma BHC	U		0.00461	0.0268	1	12/01/2020 18:25	WG1583808
4,4-DDD	U		0.00496	0.0268	1	12/01/2020 18:25	WG1583808
4,4-DDE	0.0508		0.00490	0.0268	1	12/01/2020 18:25	WG1583808
4,4-DDT	U		0.00840	0.0268	1	12/01/2020 18:25	WG1583808
Dieldrin	U		0.00461	0.0268	1	12/01/2020 18:25	WG1583808
Endosulfan I	U		0.00486	0.0268	1	12/01/2020 18:25	WG1583808
Endosulfan II	U		0.00449	0.0268	1	12/01/2020 18:25	WG1583808
Endosulfan sulfate	U		0.00488	0.0268	1	12/01/2020 18:25	WG1583808
Endrin	U		0.00469	0.0268	1	12/01/2020 18:25	WG1583808
Endrin aldehyde	U		0.00454	0.0268	1	12/01/2020 18:25	WG1583808
Endrin ketone	U		0.00953	0.0268	1	12/01/2020 18:25	WG1583808
Heptachlor	U		0.00573	0.0268	1	12/01/2020 18:25	WG1583808
Heptachlor epoxide	U		0.00454	0.0268	1	12/01/2020 18:25	WG1583808
Hexachlorobenzene	U		0.00464	0.0268	1	12/01/2020 18:25	WG1583808
Methoxychlor	U		0.00648	0.0268	1	12/01/2020 18:25	WG1583808
Chlordane	U		0.138	0.402	1	12/01/2020 18:25	WG1583808
Toxaphene	U		0.166	0.536	1	12/01/2020 18:25	WG1583808
(S) Decachlorobiphenyl	*93.2*			*10.0-135*		*12/01/2020 18:25*	WG1583808
(S) Tetrachloro-m-xylene	*87.2*			*10.0-139*		*12/01/2020 18:25*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0158	0.0456	1	12/01/2020 17:41	WG1583808
PCB 1221	U		0.0158	0.0456	1	12/01/2020 17:41	WG1583808
PCB 1232	U		0.0158	0.0456	1	12/01/2020 17:41	WG1583808
PCB 1242	U		0.0158	0.0456	1	12/01/2020 17:41	WG1583808
PCB 1248	U		0.00989	0.0228	1	12/01/2020 17:41	WG1583808
PCB 1254	U		0.00989	0.0228	1	12/01/2020 17:41	WG1583808
PCB 1260	U		0.00989	0.0228	1	12/01/2020 17:41	WG1583808
(S) Decachlorobiphenyl	*99.1*			*10.0-135*		*12/01/2020 17:41*	WG1583808
(S) Tetrachloro-m-xylene	*82.4*			*10.0-139*		*12/01/2020 17:41*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.6		1	11/30/2020 09:01	WG1582981

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00429	0.0228	1	12/01/2020 05:08	WG1583807
Alpha BHC	U		0.00420	0.0228	1	12/01/2020 05:08	WG1583807
Beta BHC	U		0.00433	0.0228	1	12/01/2020 05:08	WG1583807
Delta BHC	U		0.00395	0.0228	1	12/01/2020 05:08	WG1583807
Gamma BHC	U		0.00393	0.0228	1	12/01/2020 05:08	WG1583807
4,4-DDD	0.0294		0.00422	0.0228	1	12/01/2020 05:08	WG1583807
4,4-DDE	0.0632		0.00418	0.0228	1	12/01/2020 05:08	WG1583807
4,4-DDT	U		0.00716	0.0228	1	12/01/2020 05:08	WG1583807
Dieldrin	U		0.00393	0.0228	1	12/01/2020 05:08	WG1583807
Endosulfan I	U		0.00414	0.0228	1	12/01/2020 05:08	WG1583807
Endosulfan II	U		0.00382	0.0228	1	12/01/2020 05:08	WG1583807
Endosulfan sulfate	U		0.00415	0.0228	1	12/01/2020 05:08	WG1583807
Endrin	U		0.00399	0.0228	1	12/01/2020 05:08	WG1583807
Endrin aldehyde	U		0.00387	0.0228	1	12/01/2020 05:08	WG1583807
Endrin ketone	U		0.00811	0.0228	1	12/01/2020 05:08	WG1583807
Heptachlor	U		0.00488	0.0228	1	12/01/2020 05:08	WG1583807
Heptachlor epoxide	U		0.00387	0.0228	1	12/01/2020 05:08	WG1583807
Hexachlorobenzene	U		0.00395	0.0228	1	12/01/2020 05:08	WG1583807
Methoxychlor	U		0.00552	0.0228	1	12/01/2020 05:08	WG1583807
Chlordane	U		0.118	0.342	1	12/01/2020 05:08	WG1583807
Toxaphene	U		0.142	0.456	1	12/01/2020 05:08	WG1583807
(S) Decachlorobiphenyl	*91.1*			*10.0-135*		*12/01/2020 05:08*	WG1583807
(S) Tetrachloro-m-xylene	*86.4*			*10.0-139*		*12/01/2020 05:08*	WG1583807

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.4		1	11/30/2020 09:01	WG1582981

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	5.62		0.136	1.36	5	11/25/2020 08:20	WG1582056
Lead	18.1		0.135	2.72	5	11/25/2020 08:20	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00512	0.0272	1	12/01/2020 18:38	WG1583808
Alpha BHC	U		0.00501	0.0272	1	12/01/2020 18:38	WG1583808
Beta BHC	U		0.00516	0.0272	1	12/01/2020 18:38	WG1583808
Delta BHC	U		0.00471	0.0272	1	12/01/2020 18:38	WG1583808
Gamma BHC	U		0.00468	0.0272	1	12/01/2020 18:38	WG1583808
4,4-DDD	U		0.00504	0.0272	1	12/01/2020 18:38	WG1583808
4,4-DDE	0.0226	J	0.00498	0.0272	1	12/01/2020 18:38	WG1583808
4,4-DDT	U		0.00854	0.0272	1	12/01/2020 18:38	WG1583808
Dieldrin	U		0.00468	0.0272	1	12/01/2020 18:38	WG1583808
Endosulfan I	U		0.00494	0.0272	1	12/01/2020 18:38	WG1583808
Endosulfan II	U		0.00456	0.0272	1	12/01/2020 18:38	WG1583808
Endosulfan sulfate	U		0.00496	0.0272	1	12/01/2020 18:38	WG1583808
Endrin	U		0.00477	0.0272	1	12/01/2020 18:38	WG1583808
Endrin aldehyde	U		0.00462	0.0272	1	12/01/2020 18:38	WG1583808
Endrin ketone	U		0.00968	0.0272	1	12/01/2020 18:38	WG1583808
Heptachlor	U		0.00583	0.0272	1	12/01/2020 18:38	WG1583808
Heptachlor epoxide	U		0.00462	0.0272	1	12/01/2020 18:38	WG1583808
Hexachlorobenzene	U		0.00471	0.0272	1	12/01/2020 18:38	WG1583808
Methoxychlor	U		0.00659	0.0272	1	12/01/2020 18:38	WG1583808
Chlordane	U		0.140	0.409	1	12/01/2020 18:38	WG1583808
Toxaphene	U		0.169	0.545	1	12/01/2020 18:38	WG1583808
(S) Decachlorobiphenyl	*84.4*			*10.0-135*		*12/01/2020 18:38*	WG1583808
(S) Tetrachloro-m-xylene	*76.8*			*10.0-139*		*12/01/2020 18:38*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0161	0.0463	1	12/01/2020 17:51	WG1583808
PCB 1221	U		0.0161	0.0463	1	12/01/2020 17:51	WG1583808
PCB 1232	U		0.0161	0.0463	1	12/01/2020 17:51	WG1583808
PCB 1242	U		0.0161	0.0463	1	12/01/2020 17:51	WG1583808
PCB 1248	U		0.0100	0.0231	1	12/01/2020 17:51	WG1583808
PCB 1254	U		0.0100	0.0231	1	12/01/2020 17:51	WG1583808
PCB 1260	U		0.0100	0.0231	1	12/01/2020 17:51	WG1583808
(S) Decachlorobiphenyl	*86.9*			*10.0-135*		*12/01/2020 17:51*	WG1583808
(S) Tetrachloro-m-xylene	*71.4*			*10.0-139*		*12/01/2020 17:51*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.7		1	11/30/2020 09:01	WG1582981

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00444	0.0236	1	12/01/2020 05:21	WG1583807
Alpha BHC	U		0.00435	0.0236	1	12/01/2020 05:21	WG1583807
Beta BHC	U		0.00448	0.0236	1	12/01/2020 05:21	WG1583807
Delta BHC	U		0.00409	0.0236	1	12/01/2020 05:21	WG1583807
Gamma BHC	U		0.00406	0.0236	1	12/01/2020 05:21	WG1583807
4,4-DDD	U		0.00437	0.0236	1	12/01/2020 05:21	WG1583807
4,4-DDE	0.0108	J	0.00432	0.0236	1	12/01/2020 05:21	WG1583807
4,4-DDT	U		0.00741	0.0236	1	12/01/2020 05:21	WG1583807
Dieldrin	U		0.00406	0.0236	1	12/01/2020 05:21	WG1583807
Endosulfan I	U		0.00429	0.0236	1	12/01/2020 05:21	WG1583807
Endosulfan II	U		0.00396	0.0236	1	12/01/2020 05:21	WG1583807
Endosulfan sulfate	U		0.00430	0.0236	1	12/01/2020 05:21	WG1583807
Endrin	U		0.00413	0.0236	1	12/01/2020 05:21	WG1583807
Endrin aldehyde	U		0.00400	0.0236	1	12/01/2020 05:21	WG1583807
Endrin ketone	U		0.00840	0.0236	1	12/01/2020 05:21	WG1583807
Heptachlor	U		0.00506	0.0236	1	12/01/2020 05:21	WG1583807
Heptachlor epoxide	U		0.00400	0.0236	1	12/01/2020 05:21	WG1583807
Hexachlorobenzene	U		0.00409	0.0236	1	12/01/2020 05:21	WG1583807
Methoxychlor	U		0.00572	0.0236	1	12/01/2020 05:21	WG1583807
Chlordane	U		0.122	0.354	1	12/01/2020 05:21	WG1583807
Toxaphene	U		0.146	0.472	1	12/01/2020 05:21	WG1583807
(S) Decachlorobiphenyl	*94.7*			*10.0-135*		*12/01/2020 05:21*	WG1583807
(S) Tetrachloro-m-xylene	*88.9*			*10.0-139*		*12/01/2020 05:21*	WG1583807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.4		1	11/30/2020 09:01	WG1582981

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.90		0.131	1.31	5	11/25/2020 08:23	WG1582056
Lead	13.9		0.130	2.62	5	11/25/2020 08:23	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00492	0.0262	1	12/01/2020 18:51	WG1583808
Alpha BHC	U		0.00482	0.0262	1	12/01/2020 18:51	WG1583808
Beta BHC	U		0.00496	0.0262	1	12/01/2020 18:51	WG1583808
Delta BHC	U		0.00453	0.0262	1	12/01/2020 18:51	WG1583808
Gamma BHC	U		0.00450	0.0262	1	12/01/2020 18:51	WG1583808
4,4-DDD	U		0.00484	0.0262	1	12/01/2020 18:51	WG1583808
4,4-DDE	0.0160	J	0.00479	0.0262	1	12/01/2020 18:51	WG1583808
4,4-DDT	U		0.00821	0.0262	1	12/01/2020 18:51	WG1583808
Dieldrin	U		0.00450	0.0262	1	12/01/2020 18:51	WG1583808
Endosulfan I	U		0.00475	0.0262	1	12/01/2020 18:51	WG1583808
Endosulfan II	U		0.00438	0.0262	1	12/01/2020 18:51	WG1583808
Endosulfan sulfate	U		0.00476	0.0262	1	12/01/2020 18:51	WG1583808
Endrin	U		0.00458	0.0262	1	12/01/2020 18:51	WG1583808
Endrin aldehyde	U		0.00444	0.0262	1	12/01/2020 18:51	WG1583808
Endrin ketone	U		0.00931	0.0262	1	12/01/2020 18:51	WG1583808
Heptachlor	U		0.00560	0.0262	1	12/01/2020 18:51	WG1583808
Heptachlor epoxide	U		0.00444	0.0262	1	12/01/2020 18:51	WG1583808
Hexachlorobenzene	U		0.00453	0.0262	1	12/01/2020 18:51	WG1583808
Methoxychlor	U		0.00633	0.0262	1	12/01/2020 18:51	WG1583808
Chlordane	U		0.135	0.393	1	12/01/2020 18:51	WG1583808
Toxaphene	U		0.162	0.524	1	12/01/2020 18:51	WG1583808
(S) Decachlorobiphenyl	*89.7*			*10.0-135*		*12/01/2020 18:51*	WG1583808
(S) Tetrachloro-m-xylene	*87.0*			*10.0-139*		*12/01/2020 18:51*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0154	0.0445	1	12/01/2020 18:01	WG1583808
PCB 1221	U		0.0154	0.0445	1	12/01/2020 18:01	WG1583808
PCB 1232	U		0.0154	0.0445	1	12/01/2020 18:01	WG1583808
PCB 1242	U		0.0154	0.0445	1	12/01/2020 18:01	WG1583808
PCB 1248	U		0.00966	0.0222	1	12/01/2020 18:01	WG1583808
PCB 1254	U		0.00966	0.0222	1	12/01/2020 18:01	WG1583808
PCB 1260	U		0.00966	0.0222	1	12/01/2020 18:01	WG1583808
(S) Decachlorobiphenyl	*100*			*10.0-135*		*12/01/2020 18:01*	WG1583808
(S) Tetrachloro-m-xylene	*86.7*			*10.0-139*		*12/01/2020 18:01*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.3		1	11/30/2020 05:57	WG1582982

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00451	0.0240	1	12/01/2020 05:35	WG1583807
Alpha BHC	U		0.00442	0.0240	1	12/01/2020 05:35	WG1583807
Beta BHC	U		0.00455	0.0240	1	12/01/2020 05:35	WG1583807
Delta BHC	U		0.00415	0.0240	1	12/01/2020 05:35	WG1583807
Gamma BHC	U		0.00413	0.0240	1	12/01/2020 05:35	WG1583807
4,4-DDD	U		0.00444	0.0240	1	12/01/2020 05:35	WG1583807
4,4-DDE	U		0.00439	0.0240	1	12/01/2020 05:35	WG1583807
4,4-DDT	U		0.00753	0.0240	1	12/01/2020 05:35	WG1583807
Dieldrin	U		0.00413	0.0240	1	12/01/2020 05:35	WG1583807
Endosulfan I	U		0.00436	0.0240	1	12/01/2020 05:35	WG1583807
Endosulfan II	U		0.00402	0.0240	1	12/01/2020 05:35	WG1583807
Endosulfan sulfate	U		0.00437	0.0240	1	12/01/2020 05:35	WG1583807
Endrin	U		0.00420	0.0240	1	12/01/2020 05:35	WG1583807
Endrin aldehyde	U		0.00407	0.0240	1	12/01/2020 05:35	WG1583807
Endrin ketone	U		0.00853	0.0240	1	12/01/2020 05:35	WG1583807
Heptachlor	U		0.00514	0.0240	1	12/01/2020 05:35	WG1583807
Heptachlor epoxide	U		0.00407	0.0240	1	12/01/2020 05:35	WG1583807
Hexachlorobenzene	U		0.00415	0.0240	1	12/01/2020 05:35	WG1583807
Methoxychlor	U		0.00581	0.0240	1	12/01/2020 05:35	WG1583807
Chlordane	U		0.124	0.360	1	12/01/2020 05:35	WG1583807
Toxaphene	U		0.149	0.480	1	12/01/2020 05:35	WG1583807
(S) Decachlorobiphenyl	*92.5*			*10.0-135*		*12/01/2020 05:35*	WG1583807
(S) Tetrachloro-m-xylene	*86.2*			*10.0-139*		*12/01/2020 05:35*	WG1583807

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.9		1	11/30/2020 05:57	WG1582982

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.30		0.125	1.25	5	11/25/2020 08:27	WG1582056
Lead	21.6		0.124	2.50	5	11/25/2020 08:27	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00471	0.0250	1	12/01/2020 19:05	WG1583808
Alpha BHC	U		0.00461	0.0250	1	12/01/2020 19:05	WG1583808
Beta BHC	U		0.00474	0.0250	1	12/01/2020 19:05	WG1583808
Delta BHC	U		0.00433	0.0250	1	12/01/2020 19:05	WG1583808
Gamma BHC	U		0.00430	0.0250	1	12/01/2020 19:05	WG1583808
4,4-DDD	U		0.00463	0.0250	1	12/01/2020 19:05	WG1583808
4,4-DDE	0.0616		0.00458	0.0250	1	12/01/2020 19:05	WG1583808
4,4-DDT	U		0.00785	0.0250	1	12/01/2020 19:05	WG1583808
Dieldrin	U		0.00430	0.0250	1	12/01/2020 19:05	WG1583808
Endosulfan I	U		0.00454	0.0250	1	12/01/2020 19:05	WG1583808
Endosulfan II	U		0.00419	0.0250	1	12/01/2020 19:05	WG1583808
Endosulfan sulfate	U		0.00456	0.0250	1	12/01/2020 19:05	WG1583808
Endrin	U		0.00438	0.0250	1	12/01/2020 19:05	WG1583808
Endrin aldehyde	U		0.00424	0.0250	1	12/01/2020 19:05	WG1583808
Endrin ketone	U		0.00890	0.0250	1	12/01/2020 19:05	WG1583808
Heptachlor	U		0.00536	0.0250	1	12/01/2020 19:05	WG1583808
Heptachlor epoxide	U		0.00424	0.0250	1	12/01/2020 19:05	WG1583808
Hexachlorobenzene	U		0.00433	0.0250	1	12/01/2020 19:05	WG1583808
Methoxychlor	U		0.00606	0.0250	1	12/01/2020 19:05	WG1583808
Chlordane	U		0.129	0.375	1	12/01/2020 19:05	WG1583808
Toxaphene	U		0.155	0.501	1	12/01/2020 19:05	WG1583808
(S) Decachlorobiphenyl	*89.9*			*10.0-135*		*12/01/2020 19:05*	WG1583808
(S) Tetrachloro-m-xylene	*84.6*			*10.0-139*		*12/01/2020 19:05*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0148	0.0425	1	12/01/2020 18:11	WG1583808
PCB 1221	U		0.0148	0.0425	1	12/01/2020 18:11	WG1583808
PCB 1232	U		0.0148	0.0425	1	12/01/2020 18:11	WG1583808
PCB 1242	U		0.0148	0.0425	1	12/01/2020 18:11	WG1583808
PCB 1248	U		0.00924	0.0213	1	12/01/2020 18:11	WG1583808
PCB 1254	U		0.00924	0.0213	1	12/01/2020 18:11	WG1583808
PCB 1260	U		0.00924	0.0213	1	12/01/2020 18:11	WG1583808
(S) Decachlorobiphenyl	*99.2*			*10.0-135*		*12/01/2020 18:11*	WG1583808
(S) Tetrachloro-m-xylene	*78.7*			*10.0-139*		*12/01/2020 18:11*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	11/30/2020 05:57	WG1582982

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00427	0.0227	1	12/01/2020 05:48	WG1583807
Alpha BHC	U		0.00418	0.0227	1	12/01/2020 05:48	WG1583807
Beta BHC	U		0.00430	0.0227	1	12/01/2020 05:48	WG1583807
Delta BHC	U		0.00393	0.0227	1	12/01/2020 05:48	WG1583807
Gamma BHC	U		0.00390	0.0227	1	12/01/2020 05:48	WG1583807
4,4-DDD	U		0.00420	0.0227	1	12/01/2020 05:48	WG1583807
4,4-DDE	0.0758		0.00415	0.0227	1	12/01/2020 05:48	WG1583807
4,4-DDT	0.0214	J	0.00711	0.0227	1	12/01/2020 05:48	WG1583807
Dieldrin	U		0.00390	0.0227	1	12/01/2020 05:48	WG1583807
Endosulfan I	U		0.00412	0.0227	1	12/01/2020 05:48	WG1583807
Endosulfan II	U		0.00380	0.0227	1	12/01/2020 05:48	WG1583807
Endosulfan sulfate	U		0.00413	0.0227	1	12/01/2020 05:48	WG1583807
Endrin	U		0.00397	0.0227	1	12/01/2020 05:48	WG1583807
Endrin aldehyde	U		0.00385	0.0227	1	12/01/2020 05:48	WG1583807
Endrin ketone	U		0.00807	0.0227	1	12/01/2020 05:48	WG1583807
Heptachlor	U		0.00486	0.0227	1	12/01/2020 05:48	WG1583807
Heptachlor epoxide	U		0.00385	0.0227	1	12/01/2020 05:48	WG1583807
Hexachlorobenzene	U		0.00393	0.0227	1	12/01/2020 05:48	WG1583807
Methoxychlor	U		0.00549	0.0227	1	12/01/2020 05:48	WG1583807
Chlordane	U		0.117	0.340	1	12/01/2020 05:48	WG1583807
Toxaphene	U		0.141	0.454	1	12/01/2020 05:48	WG1583807
(S) Decachlorobiphenyl	*93.7*			*10.0-135*		*12/01/2020 05:48*	WG1583807
(S) Tetrachloro-m-xylene	*87.0*			*10.0-139*		*12/01/2020 05:48*	WG1583807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.9		1	11/30/2020 05:57	WG1582982

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.75		0.127	1.27	5	11/25/2020 08:30	WG1582056
Lead	18.3		0.126	2.54	5	11/25/2020 08:30	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00477	0.0254	1	12/01/2020 19:18	WG1583808
Alpha BHC	U		0.00467	0.0254	1	12/01/2020 19:18	WG1583808
Beta BHC	U		0.00481	0.0254	1	12/01/2020 19:18	WG1583808
Delta BHC	U		0.00439	0.0254	1	12/01/2020 19:18	WG1583808
Gamma BHC	U		0.00436	0.0254	1	12/01/2020 19:18	WG1583808
4,4-DDD	U		0.00469	0.0254	1	12/01/2020 19:18	WG1583808
4,4-DDE	0.0634		0.00464	0.0254	1	12/01/2020 19:18	WG1583808
4,4-DDT	U		0.00795	0.0254	1	12/01/2020 19:18	WG1583808
Dieldrin	U		0.00436	0.0254	1	12/01/2020 19:18	WG1583808
Endosulfan I	U		0.00460	0.0254	1	12/01/2020 19:18	WG1583808
Endosulfan II	U		0.00425	0.0254	1	12/01/2020 19:18	WG1583808
Endosulfan sulfate	U		0.00462	0.0254	1	12/01/2020 19:18	WG1583808
Endrin	U		0.00444	0.0254	1	12/01/2020 19:18	WG1583808
Endrin aldehyde	U		0.00430	0.0254	1	12/01/2020 19:18	WG1583808
Endrin ketone	U		0.00901	0.0254	1	12/01/2020 19:18	WG1583808
Heptachlor	U		0.00543	0.0254	1	12/01/2020 19:18	WG1583808
Heptachlor epoxide	U		0.00430	0.0254	1	12/01/2020 19:18	WG1583808
Hexachlorobenzene	U		0.00439	0.0254	1	12/01/2020 19:18	WG1583808
Methoxychlor	U		0.00614	0.0254	1	12/01/2020 19:18	WG1583808
Chlordane	U		0.131	0.380	1	12/01/2020 19:18	WG1583808
Toxaphene	U		0.157	0.507	1	12/01/2020 19:18	WG1583808
(S) Decachlorobiphenyl	*84.5*			*10.0-135*		*12/01/2020 19:18*	WG1583808
(S) Tetrachloro-m-xylene	*76.7*			*10.0-139*		*12/01/2020 19:18*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0150	0.0431	1	12/01/2020 18:21	WG1583808
PCB 1221	U		0.0150	0.0431	1	12/01/2020 18:21	WG1583808
PCB 1232	U		0.0150	0.0431	1	12/01/2020 18:21	WG1583808
PCB 1242	U		0.0150	0.0431	1	12/01/2020 18:21	WG1583808
PCB 1248	U		0.00936	0.0216	1	12/01/2020 18:21	WG1583808
PCB 1254	U		0.00936	0.0216	1	12/01/2020 18:21	WG1583808
PCB 1260	U		0.00936	0.0216	1	12/01/2020 18:21	WG1583808
(S) Decachlorobiphenyl	*94.4*			*10.0-135*		*12/01/2020 18:21*	WG1583808
(S) Tetrachloro-m-xylene	*79.7*			*10.0-139*		*12/01/2020 18:21*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.8		1	11/30/2020 05:57	WG1582982

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00433	0.0230	1	12/01/2020 06:01	WG1583807
Alpha BHC	U		0.00424	0.0230	1	12/01/2020 06:01	WG1583807
Beta BHC	U		0.00437	0.0230	1	12/01/2020 06:01	WG1583807
Delta BHC	U		0.00399	0.0230	1	12/01/2020 06:01	WG1583807
Gamma BHC	U		0.00396	0.0230	1	12/01/2020 06:01	WG1583807
4,4-DDD	0.00749	J	0.00426	0.0230	1	12/01/2020 06:01	WG1583807
4,4-DDE	0.190		0.00422	0.0230	1	12/01/2020 06:01	WG1583807
4,4-DDT	0.0385		0.00723	0.0230	1	12/01/2020 16:38	WG1583807
Dieldrin	U		0.00396	0.0230	1	12/01/2020 06:01	WG1583807
Endosulfan I	U		0.00418	0.0230	1	12/01/2020 06:01	WG1583807
Endosulfan II	U		0.00386	0.0230	1	12/01/2020 06:01	WG1583807
Endosulfan sulfate	U		0.00419	0.0230	1	12/01/2020 06:01	WG1583807
Endrin	U		0.00403	0.0230	1	12/01/2020 06:01	WG1583807
Endrin aldehyde	U		0.00391	0.0230	1	12/01/2020 06:01	WG1583807
Endrin ketone	U		0.00819	0.0230	1	12/01/2020 06:01	WG1583807
Heptachlor	U		0.00493	0.0230	1	12/01/2020 06:01	WG1583807
Heptachlor epoxide	U		0.00391	0.0230	1	12/01/2020 06:01	WG1583807
Hexachlorobenzene	U		0.00399	0.0230	1	12/01/2020 06:01	WG1583807
Methoxychlor	U		0.00558	0.0230	1	12/01/2020 06:01	WG1583807
Chlordane	U		0.119	0.346	1	12/01/2020 06:01	WG1583807
Toxaphene	U		0.143	0.461	1	12/01/2020 06:01	WG1583807
(S) Decachlorobiphenyl	*88.7*			*10.0-135*		*12/01/2020 16:38*	WG1583807
(S) Decachlorobiphenyl	*90.9*			*10.0-135*		*12/01/2020 06:01*	WG1583807
(S) Tetrachloro-m-xylene	*86.6*			*10.0-139*		*12/01/2020 06:01*	WG1583807
(S) Tetrachloro-m-xylene	*84.6*			*10.0-139*		*12/01/2020 16:38*	WG1583807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.2		1	11/30/2020 05:57	WG1582982

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	5.37		0.104	1.04	5	11/25/2020 08:33	WG1582056
Lead	40.9		0.103	2.08	5	11/25/2020 08:33	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00391	0.0208	1	12/01/2020 19:31	WG1583808
Alpha BHC	U		0.00383	0.0208	1	12/01/2020 19:31	WG1583808
Beta BHC	U		0.00394	0.0208	1	12/01/2020 19:31	WG1583808
Delta BHC	U		0.00360	0.0208	1	12/01/2020 19:31	WG1583808
Gamma BHC	U		0.00358	0.0208	1	12/01/2020 19:31	WG1583808
4,4-DDD	0.00794	J	0.00385	0.0208	1	12/01/2020 19:31	WG1583808
4,4-DDE	0.0773		0.00381	0.0208	1	12/01/2020 19:31	WG1583808
4,4-DDT	0.0377		0.00652	0.0208	1	12/01/2020 19:31	WG1583808
Dieldrin	U		0.00358	0.0208	1	12/01/2020 19:31	WG1583808
Endosulfan I	U		0.00377	0.0208	1	12/01/2020 19:31	WG1583808
Endosulfan II	U		0.00348	0.0208	1	12/01/2020 19:31	WG1583808
Endosulfan sulfate	U		0.00378	0.0208	1	12/01/2020 19:31	WG1583808
Endrin	U		0.00364	0.0208	1	12/01/2020 19:31	WG1583808
Endrin aldehyde	U		0.00352	0.0208	1	12/01/2020 19:31	WG1583808
Endrin ketone	U		0.00739	0.0208	1	12/01/2020 19:31	WG1583808
Heptachlor	U		0.00445	0.0208	1	12/01/2020 19:31	WG1583808
Heptachlor epoxide	U		0.00352	0.0208	1	12/01/2020 19:31	WG1583808
Hexachlorobenzene	U		0.00360	0.0208	1	12/01/2020 19:31	WG1583808
Methoxychlor	U		0.00503	0.0208	1	12/01/2020 19:31	WG1583808
Chlordane	U		0.107	0.312	1	12/01/2020 19:31	WG1583808
Toxaphene	U		0.129	0.416	1	12/01/2020 19:31	WG1583808
(S) Decachlorobiphenyl	*87.4*			*10.0-135*		*12/01/2020 19:31*	WG1583808
(S) Tetrachloro-m-xylene	*79.5*			*10.0-139*		*12/01/2020 19:31*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0123	0.0354	1	12/01/2020 18:32	WG1583808
PCB 1221	U		0.0123	0.0354	1	12/01/2020 18:32	WG1583808
PCB 1232	U		0.0123	0.0354	1	12/01/2020 18:32	WG1583808
PCB 1242	U		0.0123	0.0354	1	12/01/2020 18:32	WG1583808
PCB 1248	U		0.00767	0.0177	1	12/01/2020 18:32	WG1583808
PCB 1254	U		0.00767	0.0177	1	12/01/2020 18:32	WG1583808
PCB 1260	U		0.00767	0.0177	1	12/01/2020 18:32	WG1583808
(S) Decachlorobiphenyl	*90.3*			*10.0-135*		*12/01/2020 18:32*	WG1583808
(S) Tetrachloro-m-xylene	*73.1*			*10.0-139*		*12/01/2020 18:32*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	11/30/2020 05:57	WG1582982

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00413	0.0220	1	12/01/2020 06:14	WG1583807
Alpha BHC	U		0.00404	0.0220	1	12/01/2020 06:14	WG1583807
Beta BHC	U		0.00417	0.0220	1	12/01/2020 06:14	WG1583807
Delta BHC	U		0.00380	0.0220	1	12/01/2020 06:14	WG1583807
Gamma BHC	U		0.00378	0.0220	1	12/01/2020 06:14	WG1583807
4,4-DDD	0.00424	J	0.00407	0.0220	1	12/01/2020 06:14	WG1583807
4,4-DDE	0.0562		0.00402	0.0220	1	12/01/2020 06:14	WG1583807
4,4-DDT	0.00873	J	0.00689	0.0220	1	12/01/2020 06:14	WG1583807
Dieldrin	U		0.00378	0.0220	1	12/01/2020 06:14	WG1583807
Endosulfan I	U		0.00399	0.0220	1	12/01/2020 06:14	WG1583807
Endosulfan II	U		0.00368	0.0220	1	12/01/2020 06:14	WG1583807
Endosulfan sulfate	U		0.00400	0.0220	1	12/01/2020 06:14	WG1583807
Endrin	U		0.00385	0.0220	1	12/01/2020 06:14	WG1583807
Endrin aldehyde	U		0.00373	0.0220	1	12/01/2020 06:14	WG1583807
Endrin ketone	U		0.00781	0.0220	1	12/01/2020 06:14	WG1583807
Heptachlor	U		0.00470	0.0220	1	12/01/2020 06:14	WG1583807
Heptachlor epoxide	U		0.00373	0.0220	1	12/01/2020 06:14	WG1583807
Hexachlorobenzene	U		0.00380	0.0220	1	12/01/2020 06:14	WG1583807
Methoxychlor	U		0.00532	0.0220	1	12/01/2020 06:14	WG1583807
Chlordane	U		0.113	0.330	1	12/01/2020 06:14	WG1583807
Toxaphene	U		0.136	0.440	1	12/01/2020 06:14	WG1583807
(S) Decachlorobiphenyl	*95.9*			*10.0-135*		*12/01/2020 06:14*	WG1583807
(S) Tetrachloro-m-xylene	*90.2*			*10.0-139*		*12/01/2020 06:14*	WG1583807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.6		1	11/30/2020 05:57	WG1582982

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.87		0.105	1.05	5	11/25/2020 08:37	WG1582056
Lead	21.0		0.104	2.09	5	11/25/2020 08:37	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00393	0.0209	1	12/01/2020 19:44	WG1583808
Alpha BHC	U		0.00385	0.0209	1	12/01/2020 19:44	WG1583808
Beta BHC	U		0.00397	0.0209	1	12/01/2020 19:44	WG1583808
Delta BHC	U		0.00362	0.0209	1	12/01/2020 19:44	WG1583808
Gamma BHC	U		0.00360	0.0209	1	12/01/2020 19:44	WG1583808
4,4-DDD	0.00789	J	0.00387	0.0209	1	12/01/2020 19:44	WG1583808
4,4-DDE	0.0521		0.00383	0.0209	1	12/01/2020 19:44	WG1583808
4,4-DDT	0.0377		0.00656	0.0209	1	12/01/2020 19:44	WG1583808
Dieldrin	U		0.00360	0.0209	1	12/01/2020 19:44	WG1583808
Endosulfan I	U		0.00380	0.0209	1	12/01/2020 19:44	WG1583808
Endosulfan II	U		0.00351	0.0209	1	12/01/2020 19:44	WG1583808
Endosulfan sulfate	U		0.00381	0.0209	1	12/01/2020 19:44	WG1583808
Endrin	U		0.00366	0.0209	1	12/01/2020 19:44	WG1583808
Endrin aldehyde	U		0.00355	0.0209	1	12/01/2020 19:44	WG1583808
Endrin ketone	U		0.00744	0.0209	1	12/01/2020 19:44	WG1583808
Heptachlor	U		0.00448	0.0209	1	12/01/2020 19:44	WG1583808
Heptachlor epoxide	U		0.00355	0.0209	1	12/01/2020 19:44	WG1583808
Hexachlorobenzene	U		0.00362	0.0209	1	12/01/2020 19:44	WG1583808
Methoxychlor	U		0.00507	0.0209	1	12/01/2020 19:44	WG1583808
Chlordane	U		0.108	0.314	1	12/01/2020 19:44	WG1583808
Toxaphene	U		0.130	0.419	1	12/01/2020 19:44	WG1583808
(S) Decachlorobiphenyl	*83.8*			*10.0-135*		*12/01/2020 19:44*	WG1583808
(S) Tetrachloro-m-xylene	*76.5*			*10.0-139*		*12/01/2020 19:44*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0123	0.0356	1	12/01/2020 18:42	WG1583808
PCB 1221	U		0.0123	0.0356	1	12/01/2020 18:42	WG1583808
PCB 1232	U		0.0123	0.0356	1	12/01/2020 18:42	WG1583808
PCB 1242	U		0.0123	0.0356	1	12/01/2020 18:42	WG1583808
PCB 1248	U		0.00772	0.0178	1	12/01/2020 18:42	WG1583808
PCB 1254	U		0.00772	0.0178	1	12/01/2020 18:42	WG1583808
PCB 1260	U		0.00772	0.0178	1	12/01/2020 18:42	WG1583808
(S) Decachlorobiphenyl	*107*			*10.0-135*		*12/01/2020 18:42*	WG1583808
(S) Tetrachloro-m-xylene	*82.0*			*10.0-139*		*12/01/2020 18:42*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	11/30/2020 05:57	WG1582982

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00411	0.0219	1	12/01/2020 06:27	WG1583807
Alpha BHC	U		0.00403	0.0219	1	12/01/2020 06:27	WG1583807
Beta BHC	U		0.00415	0.0219	1	12/01/2020 06:27	WG1583807
Delta BHC	U		0.00379	0.0219	1	12/01/2020 06:27	WG1583807
Gamma BHC	U		0.00376	0.0219	1	12/01/2020 06:27	WG1583807
4,4-DDD	U		0.00405	0.0219	1	12/01/2020 06:27	WG1583807
4,4-DDE	U		0.00400	0.0219	1	12/01/2020 06:27	WG1583807
4,4-DDT	U		0.00686	0.0219	1	12/01/2020 06:27	WG1583807
Dieldrin	U		0.00376	0.0219	1	12/01/2020 06:27	WG1583807
Endosulfan I	U		0.00397	0.0219	1	12/01/2020 06:27	WG1583807
Endosulfan II	U		0.00367	0.0219	1	12/01/2020 06:27	WG1583807
Endosulfan sulfate	U		0.00398	0.0219	1	12/01/2020 06:27	WG1583807
Endrin	U		0.00383	0.0219	1	12/01/2020 06:27	WG1583807
Endrin aldehyde	U		0.00371	0.0219	1	12/01/2020 06:27	WG1583807
Endrin ketone	U		0.00778	0.0219	1	12/01/2020 06:27	WG1583807
Heptachlor	U		0.00468	0.0219	1	12/01/2020 06:27	WG1583807
Heptachlor epoxide	U		0.00371	0.0219	1	12/01/2020 06:27	WG1583807
Hexachlorobenzene	U		0.00379	0.0219	1	12/01/2020 06:27	WG1583807
Methoxychlor	U		0.00530	0.0219	1	12/01/2020 06:27	WG1583807
Chlordane	U		0.113	0.328	1	12/01/2020 06:27	WG1583807
Toxaphene	U		0.136	0.438	1	12/01/2020 06:27	WG1583807
(S) Decachlorobiphenyl	*105*			*10.0-135*		*12/01/2020 06:27*	WG1583807
(S) Tetrachloro-m-xylene	*89.2*			*10.0-139*		*12/01/2020 06:27*	WG1583807

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.5		1	11/30/2020 05:57	WG1582982

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.88		0.106	1.06	5	11/25/2020 08:40	WG1582056
Lead	21.6		0.105	2.12	5	11/25/2020 08:40	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00398	0.0212	1	12/01/2020 19:57	WG1583808
Alpha BHC	U		0.00390	0.0212	1	12/01/2020 19:57	WG1583808
Beta BHC	U		0.00401	0.0212	1	12/01/2020 19:57	WG1583808
Delta BHC	U		0.00366	0.0212	1	12/01/2020 19:57	WG1583808
Gamma BHC	U		0.00364	0.0212	1	12/01/2020 19:57	WG1583808
4,4-DDD	0.0180	J	0.00392	0.0212	1	12/01/2020 19:57	WG1583808
4,4-DDE	0.143		0.00387	0.0212	1	12/01/2020 19:57	WG1583808
4,4-DDT	0.0913		0.00664	0.0212	1	12/01/2020 19:57	WG1583808
Dieldrin	U		0.00364	0.0212	1	12/01/2020 19:57	WG1583808
Endosulfan I	U		0.00384	0.0212	1	12/01/2020 19:57	WG1583808
Endosulfan II	U		0.00355	0.0212	1	12/01/2020 19:57	WG1583808
Endosulfan sulfate	U		0.00385	0.0212	1	12/01/2020 19:57	WG1583808
Endrin	U		0.00370	0.0212	1	12/01/2020 19:57	WG1583808
Endrin aldehyde	U		0.00359	0.0212	1	12/01/2020 19:57	WG1583808
Endrin ketone	U		0.00753	0.0212	1	12/01/2020 19:57	WG1583808
Heptachlor	U		0.00453	0.0212	1	12/01/2020 19:57	WG1583808
Heptachlor epoxide	U		0.00359	0.0212	1	12/01/2020 19:57	WG1583808
Hexachlorobenzene	U		0.00366	0.0212	1	12/01/2020 19:57	WG1583808
Methoxychlor	U		0.00512	0.0212	1	12/01/2020 19:57	WG1583808
Chlordane	U		0.109	0.318	1	12/01/2020 19:57	WG1583808
Toxaphene	U		0.131	0.423	1	12/01/2020 19:57	WG1583808
(S) Decachlorobiphenyl	*82.7*			*10.0-135*		*12/01/2020 19:57*	WG1583808
(S) Tetrachloro-m-xylene	*77.4*			*10.0-139*		*12/01/2020 19:57*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0125	0.0360	1	12/01/2020 18:52	WG1583808
PCB 1221	U		0.0125	0.0360	1	12/01/2020 18:52	WG1583808
PCB 1232	U		0.0125	0.0360	1	12/01/2020 18:52	WG1583808
PCB 1242	U		0.0125	0.0360	1	12/01/2020 18:52	WG1583808
PCB 1248	U		0.00781	0.0180	1	12/01/2020 18:52	WG1583808
PCB 1254	U		0.00781	0.0180	1	12/01/2020 18:52	WG1583808
PCB 1260	U		0.00781	0.0180	1	12/01/2020 18:52	WG1583808
(S) Decachlorobiphenyl	*100*			*10.0-135*		*12/01/2020 18:52*	WG1583808
(S) Tetrachloro-m-xylene	*86.6*			*10.0-139*		*12/01/2020 18:52*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	11/30/2020 06:25	WG1582983

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00404	0.0215	1	12/01/2020 06:41	WG1583807
Alpha BHC	U		0.00395	0.0215	1	12/01/2020 06:41	WG1583807
Beta BHC	U		0.00407	0.0215	1	12/01/2020 06:41	WG1583807
Delta BHC	U		0.00372	0.0215	1	12/01/2020 06:41	WG1583807
Gamma BHC	U		0.00369	0.0215	1	12/01/2020 06:41	WG1583807
4,4-DDD	0.00544	J	0.00397	0.0215	1	12/01/2020 06:41	WG1583807
4,4-DDE	0.110		0.00393	0.0215	1	12/01/2020 06:41	WG1583807
4,4-DDT	0.0247		0.00673	0.0215	1	12/01/2020 16:51	WG1583807
Dieldrin	U		0.00369	0.0215	1	12/01/2020 06:41	WG1583807
Endosulfan I	U		0.00390	0.0215	1	12/01/2020 06:41	WG1583807
Endosulfan II	U		0.00360	0.0215	1	12/01/2020 06:41	WG1583807
Endosulfan sulfate	U		0.00391	0.0215	1	12/01/2020 06:41	WG1583807
Endrin	U		0.00376	0.0215	1	12/01/2020 06:41	WG1583807
Endrin aldehyde	U		0.00364	0.0215	1	12/01/2020 06:41	WG1583807
Endrin ketone	U		0.00763	0.0215	1	12/01/2020 06:41	WG1583807
Heptachlor	U		0.00460	0.0215	1	12/01/2020 06:41	WG1583807
Heptachlor epoxide	U		0.00364	0.0215	1	12/01/2020 06:41	WG1583807
Hexachlorobenzene	U		0.00372	0.0215	1	12/01/2020 06:41	WG1583807
Methoxychlor	U		0.00520	0.0215	1	12/01/2020 06:41	WG1583807
Chlordane	U		0.111	0.322	1	12/01/2020 06:41	WG1583807
Toxaphene	U		0.133	0.430	1	12/01/2020 06:41	WG1583807
(S) Decachlorobiphenyl	*98.6*			*10.0-135*		*12/01/2020 06:41*	WG1583807
(S) Decachlorobiphenyl	*87.8*			*10.0-135*		*12/01/2020 16:51*	WG1583807
(S) Tetrachloro-m-xylene	*84.2*			*10.0-139*		*12/01/2020 16:51*	WG1583807
(S) Tetrachloro-m-xylene	*89.0*			*10.0-139*		*12/01/2020 06:41*	WG1583807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.0		1	11/30/2020 06:25	WG1582983

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.24		0.109	1.09	5	11/25/2020 08:43	WG1582056
Lead	23.1		0.108	2.17	5	11/25/2020 08:43	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00409	0.0217	1	12/01/2020 20:11	WG1583808
Alpha BHC	U		0.00400	0.0217	1	12/01/2020 20:11	WG1583808
Beta BHC	U		0.00412	0.0217	1	12/01/2020 20:11	WG1583808
Delta BHC	U		0.00376	0.0217	1	12/01/2020 20:11	WG1583808
Gamma BHC	U		0.00374	0.0217	1	12/01/2020 20:11	WG1583808
4,4-DDD	0.00709	J	0.00402	0.0217	1	12/01/2020 20:11	WG1583808
4,4-DDE	0.0824		0.00398	0.0217	1	12/01/2020 20:11	WG1583808
4,4-DDT	0.0264		0.00682	0.0217	1	12/01/2020 20:11	WG1583808
Dieldrin	U		0.00374	0.0217	1	12/01/2020 20:11	WG1583808
Endosulfan I	U		0.00395	0.0217	1	12/01/2020 20:11	WG1583808
Endosulfan II	U		0.00364	0.0217	1	12/01/2020 20:11	WG1583808
Endosulfan sulfate	U		0.00396	0.0217	1	12/01/2020 20:11	WG1583808
Endrin	U		0.00381	0.0217	1	12/01/2020 20:11	WG1583808
Endrin aldehyde	U		0.00369	0.0217	1	12/01/2020 20:11	WG1583808
Endrin ketone	U		0.00773	0.0217	1	12/01/2020 20:11	WG1583808
Heptachlor	U		0.00465	0.0217	1	12/01/2020 20:11	WG1583808
Heptachlor epoxide	U		0.00369	0.0217	1	12/01/2020 20:11	WG1583808
Hexachlorobenzene	U		0.00376	0.0217	1	12/01/2020 20:11	WG1583808
Methoxychlor	U		0.00526	0.0217	1	12/01/2020 20:11	WG1583808
Chlordane	U		0.112	0.326	1	12/01/2020 20:11	WG1583808
Toxaphene	U		0.135	0.435	1	12/01/2020 20:11	WG1583808
(S) Decachlorobiphenyl	*83.9*			*10.0-135*		*12/01/2020 20:11*	WG1583808
(S) Tetrachloro-m-xylene	*77.2*			*10.0-139*		*12/01/2020 20:11*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0128	0.0370	1	12/01/2020 19:02	WG1583808
PCB 1221	U		0.0128	0.0370	1	12/01/2020 19:02	WG1583808
PCB 1232	U		0.0128	0.0370	1	12/01/2020 19:02	WG1583808
PCB 1242	U		0.0128	0.0370	1	12/01/2020 19:02	WG1583808
PCB 1248	U		0.00802	0.0185	1	12/01/2020 19:02	WG1583808
PCB 1254	U		0.00802	0.0185	1	12/01/2020 19:02	WG1583808
PCB 1260	U		0.00802	0.0185	1	12/01/2020 19:02	WG1583808
(S) Decachlorobiphenyl	*99.4*			*10.0-135*		*12/01/2020 19:02*	WG1583808
(S) Tetrachloro-m-xylene	*89.3*			*10.0-139*		*12/01/2020 19:02*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.1		1	11/30/2020 06:25	WG1582983

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00417	0.0222	1	12/01/2020 06:54	WG1583807
Alpha BHC	U		0.00408	0.0222	1	12/01/2020 06:54	WG1583807
Beta BHC	U		0.00420	0.0222	1	12/01/2020 06:54	WG1583807
Delta BHC	U		0.00384	0.0222	1	12/01/2020 06:54	WG1583807
Gamma BHC	U		0.00382	0.0222	1	12/01/2020 06:54	WG1583807
4,4-DDD	0.0192	J	0.00410	0.0222	1	12/01/2020 06:54	WG1583807
4,4-DDE	0.294		0.00406	0.0222	1	12/01/2020 06:54	WG1583807
4,4-DDT	0.125		0.00696	0.0222	1	12/01/2020 17:03	WG1583807
Dieldrin	U		0.00382	0.0222	1	12/01/2020 06:54	WG1583807
Endosulfan I	U		0.00403	0.0222	1	12/01/2020 06:54	WG1583807
Endosulfan II	U		0.00372	0.0222	1	12/01/2020 06:54	WG1583807
Endosulfan sulfate	U		0.00404	0.0222	1	12/01/2020 06:54	WG1583807
Endrin	U		0.00388	0.0222	1	12/01/2020 06:54	WG1583807
Endrin aldehyde	U		0.00376	0.0222	1	12/01/2020 06:54	WG1583807
Endrin ketone	U		0.00789	0.0222	1	12/01/2020 06:54	WG1583807
Heptachlor	U		0.00475	0.0222	1	12/01/2020 06:54	WG1583807
Heptachlor epoxide	U		0.00376	0.0222	1	12/01/2020 06:54	WG1583807
Hexachlorobenzene	U		0.00384	0.0222	1	12/01/2020 06:54	WG1583807
Methoxychlor	U		0.00537	0.0222	1	12/01/2020 06:54	WG1583807
Chlordane	U		0.114	0.333	1	12/01/2020 06:54	WG1583807
Toxaphene	U		0.138	0.444	1	12/01/2020 06:54	WG1583807
(S) Decachlorobiphenyl	*85.1*			*10.0-135*		*12/01/2020 17:03*	WG1583807
(S) Decachlorobiphenyl	*89.5*			*10.0-135*		*12/01/2020 06:54*	WG1583807
(S) Tetrachloro-m-xylene	*81.2*			*10.0-139*		*12/01/2020 17:03*	WG1583807
(S) Tetrachloro-m-xylene	*84.8*			*10.0-139*		*12/01/2020 06:54*	WG1583807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.7		1	11/30/2020 06:25	WG1582983

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.21		0.107	1.07	5	11/25/2020 08:47	WG1582056
Lead	12.4		0.106	2.13	5	11/25/2020 08:47	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00401	0.0213	1	12/01/2020 20:24	WG1583808
Alpha BHC	U		0.00393	0.0213	1	12/01/2020 20:24	WG1583808
Beta BHC	U		0.00405	0.0213	1	12/01/2020 20:24	WG1583808
Delta BHC	U		0.00369	0.0213	1	12/01/2020 20:24	WG1583808
Gamma BHC	U		0.00367	0.0213	1	12/01/2020 20:24	WG1583808
4,4-DDD	0.00520	J	0.00395	0.0213	1	12/01/2020 20:24	WG1583808
4,4-DDE	0.0539		0.00391	0.0213	1	12/01/2020 20:24	WG1583808
4,4-DDT	0.0187	J P	0.00669	0.0213	1	12/01/2020 20:24	WG1583808
Dieldrin	U		0.00367	0.0213	1	12/01/2020 20:24	WG1583808
Endosulfan I	U		0.00387	0.0213	1	12/01/2020 20:24	WG1583808
Endosulfan II	U		0.00358	0.0213	1	12/01/2020 20:24	WG1583808
Endosulfan sulfate	U		0.00389	0.0213	1	12/01/2020 20:24	WG1583808
Endrin	U		0.00374	0.0213	1	12/01/2020 20:24	WG1583808
Endrin aldehyde	U		0.00362	0.0213	1	12/01/2020 20:24	WG1583808
Endrin ketone	U		0.00759	0.0213	1	12/01/2020 20:24	WG1583808
Heptachlor	U		0.00457	0.0213	1	12/01/2020 20:24	WG1583808
Heptachlor epoxide	U		0.00362	0.0213	1	12/01/2020 20:24	WG1583808
Hexachlorobenzene	U		0.00369	0.0213	1	12/01/2020 20:24	WG1583808
Methoxychlor	U		0.00517	0.0213	1	12/01/2020 20:24	WG1583808
Chlordane	U		0.110	0.320	1	12/01/2020 20:24	WG1583808
Toxaphene	U		0.132	0.427	1	12/01/2020 20:24	WG1583808
(S) Decachlorobiphenyl	*97.8*			*10.0-135*		*12/01/2020 20:24*	WG1583808
(S) Tetrachloro-m-xylene	*91.8*			*10.0-139*		*12/01/2020 20:24*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0126	0.0363	1	12/01/2020 19:12	WG1583808
PCB 1221	U		0.0126	0.0363	1	12/01/2020 19:12	WG1583808
PCB 1232	U		0.0126	0.0363	1	12/01/2020 19:12	WG1583808
PCB 1242	U		0.0126	0.0363	1	12/01/2020 19:12	WG1583808
PCB 1248	U		0.00788	0.0181	1	12/01/2020 19:12	WG1583808
PCB 1254	0.145		0.00788	0.0181	1	12/02/2020 10:29	WG1583808
PCB 1260	U	C4	0.00788	0.0181	1	12/01/2020 19:12	WG1583808
(S) Decachlorobiphenyl	*92.4*			*10.0-135*		*12/02/2020 10:29*	WG1583808
(S) Decachlorobiphenyl	*101*			*10.0-135*		*12/01/2020 19:12*	WG1583808
(S) Tetrachloro-m-xylene	*87.4*			*10.0-139*		*12/01/2020 19:12*	WG1583808
(S) Tetrachloro-m-xylene	*111*			*10.0-139*		*12/02/2020 10:29*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	11/30/2020 06:25	WG1582983

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00411	0.0219	1	12/01/2020 07:07	WG1583807
Alpha BHC	U		0.00403	0.0219	1	12/01/2020 07:07	WG1583807
Beta BHC	U		0.00415	0.0219	1	12/01/2020 07:07	WG1583807
Delta BHC	U		0.00378	0.0219	1	12/01/2020 07:07	WG1583807
Gamma BHC	U		0.00376	0.0219	1	12/01/2020 07:07	WG1583807
4,4-DDD	0.00406	J	0.00405	0.0219	1	12/01/2020 07:07	WG1583807
4,4-DDE	0.189		0.00400	0.0219	1	12/01/2020 07:07	WG1583807
4,4-DDT	0.0308		0.00686	0.0219	1	12/01/2020 17:15	WG1583807
Dieldrin	U		0.00376	0.0219	1	12/01/2020 07:07	WG1583807
Endosulfan I	U		0.00397	0.0219	1	12/01/2020 07:07	WG1583807
Endosulfan II	U		0.00366	0.0219	1	12/01/2020 07:07	WG1583807
Endosulfan sulfate	U		0.00398	0.0219	1	12/01/2020 07:07	WG1583807
Endrin	U		0.00383	0.0219	1	12/01/2020 07:07	WG1583807
Endrin aldehyde	U		0.00371	0.0219	1	12/01/2020 07:07	WG1583807
Endrin ketone	U		0.00778	0.0219	1	12/01/2020 07:07	WG1583807
Heptachlor	U		0.00468	0.0219	1	12/01/2020 07:07	WG1583807
Heptachlor epoxide	U		0.00371	0.0219	1	12/01/2020 07:07	WG1583807
Hexachlorobenzene	U		0.00378	0.0219	1	12/01/2020 07:07	WG1583807
Methoxychlor	U		0.00529	0.0219	1	12/01/2020 07:07	WG1583807
Chlordane	U		0.113	0.328	1	12/01/2020 07:07	WG1583807
Toxaphene	U		0.136	0.438	1	12/01/2020 07:07	WG1583807
(S) Decachlorobiphenyl	*97.9*			*10.0-135*		*12/01/2020 07:07*	WG1583807
(S) Decachlorobiphenyl	*86.1*			*10.0-135*		*12/01/2020 17:15*	WG1583807
(S) Tetrachloro-m-xylene	*89.9*			*10.0-139*		*12/01/2020 07:07*	WG1583807
(S) Tetrachloro-m-xylene	*85.2*			*10.0-139*		*12/01/2020 17:15*	WG1583807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.4		1	11/30/2020 06:25	WG1582983

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.61		0.105	1.05	5	11/25/2020 08:50	WG1582056
Lead	15.5		0.104	2.10	5	11/25/2020 08:50	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00394	0.0210	1	12/01/2020 20:37	WG1583808
Alpha BHC	U		0.00386	0.0210	1	12/01/2020 20:37	WG1583808
Beta BHC	U		0.00397	0.0210	1	12/01/2020 20:37	WG1583808
Delta BHC	U		0.00363	0.0210	1	12/01/2020 20:37	WG1583808
Gamma BHC	U		0.00360	0.0210	1	12/01/2020 20:37	WG1583808
4,4-DDD	0.00708	J	0.00388	0.0210	1	12/01/2020 20:37	WG1583808
4,4-DDE	0.0641		0.00383	0.0210	1	12/01/2020 20:37	WG1583808
4,4-DDT	0.0194	J	0.00657	0.0210	1	12/01/2020 20:37	WG1583808
Dieldrin	U		0.00360	0.0210	1	12/01/2020 20:37	WG1583808
Endosulfan I	U		0.00380	0.0210	1	12/01/2020 20:37	WG1583808
Endosulfan II	U		0.00351	0.0210	1	12/01/2020 20:37	WG1583808
Endosulfan sulfate	U		0.00381	0.0210	1	12/01/2020 20:37	WG1583808
Endrin	U		0.00367	0.0210	1	12/01/2020 20:37	WG1583808
Endrin aldehyde	U		0.00355	0.0210	1	12/01/2020 20:37	WG1583808
Endrin ketone	U		0.00745	0.0210	1	12/01/2020 20:37	WG1583808
Heptachlor	U		0.00448	0.0210	1	12/01/2020 20:37	WG1583808
Heptachlor epoxide	U		0.00355	0.0210	1	12/01/2020 20:37	WG1583808
Hexachlorobenzene	U		0.00363	0.0210	1	12/01/2020 20:37	WG1583808
Methoxychlor	U		0.00507	0.0210	1	12/01/2020 20:37	WG1583808
Chlordane	U		0.108	0.314	1	12/01/2020 20:37	WG1583808
Toxaphene	U		0.130	0.419	1	12/01/2020 20:37	WG1583808
(S) Decachlorobiphenyl	*99.4*			*10.0-135*		*12/01/2020 20:37*	WG1583808
(S) Tetrachloro-m-xylene	*80.1*			*10.0-139*		*12/01/2020 20:37*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0124	0.0356	1	12/01/2020 19:23	WG1583808
PCB 1221	U		0.0124	0.0356	1	12/01/2020 19:23	WG1583808
PCB 1232	U		0.0124	0.0356	1	12/01/2020 19:23	WG1583808
PCB 1242	U		0.0124	0.0356	1	12/01/2020 19:23	WG1583808
PCB 1248	U		0.00773	0.0178	1	12/01/2020 19:23	WG1583808
PCB 1254	U		0.00773	0.0178	1	12/01/2020 19:23	WG1583808
PCB 1260	U		0.00773	0.0178	1	12/01/2020 19:23	WG1583808
(S) Decachlorobiphenyl	*103*			*10.0-135*		*12/01/2020 19:23*	WG1583808
(S) Tetrachloro-m-xylene	*84.9*			*10.0-139*		*12/01/2020 19:23*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.7		1	11/30/2020 06:25	WG1582983

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00406	0.0216	1	12/01/2020 07:20	WG1583807
Alpha BHC	U		0.00397	0.0216	1	12/01/2020 07:20	WG1583807
Beta BHC	U		0.00409	0.0216	1	12/01/2020 07:20	WG1583807
Delta BHC	U		0.00373	0.0216	1	12/01/2020 07:20	WG1583807
Gamma BHC	U		0.00371	0.0216	1	12/01/2020 07:20	WG1583807
4,4-DDD	0.00973	J	0.00399	0.0216	1	12/01/2020 07:20	WG1583807
4,4-DDE	0.385		0.00395	0.0216	1	12/01/2020 07:20	WG1583807
4,4-DDT	0.155		0.00677	0.0216	1	12/01/2020 17:28	WG1583807
Dieldrin	U		0.00371	0.0216	1	12/01/2020 07:20	WG1583807
Endosulfan I	U		0.00392	0.0216	1	12/01/2020 07:20	WG1583807
Endosulfan II	U		0.00361	0.0216	1	12/01/2020 07:20	WG1583807
Endosulfan sulfate	U		0.00393	0.0216	1	12/01/2020 07:20	WG1583807
Endrin	U		0.00378	0.0216	1	12/01/2020 07:20	WG1583807
Endrin aldehyde	U		0.00366	0.0216	1	12/01/2020 07:20	WG1583807
Endrin ketone	U		0.00767	0.0216	1	12/01/2020 07:20	WG1583807
Heptachlor	U		0.00462	0.0216	1	12/01/2020 07:20	WG1583807
Heptachlor epoxide	U		0.00366	0.0216	1	12/01/2020 07:20	WG1583807
Hexachlorobenzene	U		0.00373	0.0216	1	12/01/2020 07:20	WG1583807
Methoxychlor	U		0.00522	0.0216	1	12/01/2020 07:20	WG1583807
Chlordane	U		0.111	0.324	1	12/01/2020 07:20	WG1583807
Toxaphene	U		0.134	0.432	1	12/01/2020 07:20	WG1583807
(S) Decachlorobiphenyl	*96.8*			*10.0-135*		*12/01/2020 07:20*	WG1583807
(S) Decachlorobiphenyl	*88.9*			*10.0-135*		*12/01/2020 17:28*	WG1583807
(S) Tetrachloro-m-xylene	*84.9*			*10.0-139*		*12/01/2020 07:20*	WG1583807
(S) Tetrachloro-m-xylene	*81.2*			*10.0-139*		*12/01/2020 17:28*	WG1583807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.5		1	11/30/2020 06:25	WG1582983

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.28		0.106	1.06	5	11/25/2020 09:09	WG1582056
Lead	15.2		0.105	2.12	5	11/25/2020 09:09	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00398	0.0212	1	12/01/2020 20:50	WG1583808
Alpha BHC	U		0.00390	0.0212	1	12/01/2020 20:50	WG1583808
Beta BHC	U		0.00401	0.0212	1	12/01/2020 20:50	WG1583808
Delta BHC	U		0.00366	0.0212	1	12/01/2020 20:50	WG1583808
Gamma BHC	U		0.00364	0.0212	1	12/01/2020 20:50	WG1583808
4,4-DDD	0.0133	J	0.00392	0.0212	1	12/01/2020 20:50	WG1583808
4,4-DDE	0.0859		0.00387	0.0212	1	12/01/2020 20:50	WG1583808
4,4-DDT	0.0439		0.00664	0.0212	1	12/01/2020 20:50	WG1583808
Dieldrin	U		0.00364	0.0212	1	12/01/2020 20:50	WG1583808
Endosulfan I	U		0.00384	0.0212	1	12/01/2020 20:50	WG1583808
Endosulfan II	U		0.00355	0.0212	1	12/01/2020 20:50	WG1583808
Endosulfan sulfate	U		0.00385	0.0212	1	12/01/2020 20:50	WG1583808
Endrin	U		0.00370	0.0212	1	12/01/2020 20:50	WG1583808
Endrin aldehyde	U		0.00359	0.0212	1	12/01/2020 20:50	WG1583808
Endrin ketone	U		0.00753	0.0212	1	12/01/2020 20:50	WG1583808
Heptachlor	U		0.00453	0.0212	1	12/01/2020 20:50	WG1583808
Heptachlor epoxide	U		0.00359	0.0212	1	12/01/2020 20:50	WG1583808
Hexachlorobenzene	U		0.00366	0.0212	1	12/01/2020 20:50	WG1583808
Methoxychlor	U		0.00512	0.0212	1	12/01/2020 20:50	WG1583808
Chlordane	U		0.109	0.318	1	12/01/2020 20:50	WG1583808
Toxaphene	U		0.131	0.423	1	12/01/2020 20:50	WG1583808
(S) Decachlorobiphenyl	*92.9*			*10.0-135*		*12/01/2020 20:50*	WG1583808
(S) Tetrachloro-m-xylene	*83.5*			*10.0-139*		*12/01/2020 20:50*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0125	0.0360	1	12/01/2020 19:34	WG1583808
PCB 1221	U		0.0125	0.0360	1	12/01/2020 19:34	WG1583808
PCB 1232	U		0.0125	0.0360	1	12/01/2020 19:34	WG1583808
PCB 1242	U		0.0125	0.0360	1	12/01/2020 19:34	WG1583808
PCB 1248	U		0.00781	0.0180	1	12/01/2020 19:34	WG1583808
PCB 1254	U		0.00781	0.0180	1	12/01/2020 19:34	WG1583808
PCB 1260	U		0.00781	0.0180	1	12/01/2020 19:34	WG1583808
(S) Decachlorobiphenyl	*97.1*			*10.0-135*		*12/01/2020 19:34*	WG1583808
(S) Tetrachloro-m-xylene	*72.5*			*10.0-139*		*12/01/2020 19:34*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.8		1	11/30/2020 06:25	WG1582983

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00405	0.0216	1	12/01/2020 07:34	WG1583807
Alpha BHC	U		0.00397	0.0216	1	12/01/2020 07:34	WG1583807
Beta BHC	U		0.00409	0.0216	1	12/01/2020 07:34	WG1583807
Delta BHC	U		0.00373	0.0216	1	12/01/2020 07:34	WG1583807
Gamma BHC	U		0.00371	0.0216	1	12/01/2020 07:34	WG1583807
4,4-DDD	0.0165	J	0.00399	0.0216	1	12/01/2020 07:34	WG1583807
4,4-DDE	0.777		0.00789	0.0431	2	12/01/2020 17:40	WG1583807
4,4-DDT	0.215		0.0135	0.0431	2	12/01/2020 17:40	WG1583807
Dieldrin	U		0.00371	0.0216	1	12/01/2020 07:34	WG1583807
Endosulfan I	U		0.00391	0.0216	1	12/01/2020 07:34	WG1583807
Endosulfan II	U		0.00361	0.0216	1	12/01/2020 07:34	WG1583807
Endosulfan sulfate	U		0.00392	0.0216	1	12/01/2020 07:34	WG1583807
Endrin	U		0.00377	0.0216	1	12/01/2020 07:34	WG1583807
Endrin aldehyde	U		0.00365	0.0216	1	12/01/2020 07:34	WG1583807
Endrin ketone	U		0.00766	0.0216	1	12/01/2020 07:34	WG1583807
Heptachlor	U		0.00461	0.0216	1	12/01/2020 07:34	WG1583807
Heptachlor epoxide	U		0.00365	0.0216	1	12/01/2020 07:34	WG1583807
Hexachlorobenzene	U		0.00373	0.0216	1	12/01/2020 07:34	WG1583807
Methoxychlor	U		0.00522	0.0216	1	12/01/2020 07:34	WG1583807
Chlordane	U		0.111	0.323	1	12/01/2020 07:34	WG1583807
Toxaphene	U		0.134	0.431	1	12/01/2020 07:34	WG1583807
(S) Decachlorobiphenyl	*92.8*			*10.0-135*		*12/01/2020 17:40*	WG1583807
(S) Decachlorobiphenyl	*96.3*			*10.0-135*		*12/01/2020 07:34*	WG1583807
(S) Tetrachloro-m-xylene	*91.0*			*10.0-139*		*12/01/2020 07:34*	WG1583807
(S) Tetrachloro-m-xylene	*85.7*			*10.0-139*		*12/01/2020 17:40*	WG1583807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.4		1	11/30/2020 06:25	WG1582983

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.80		0.111	1.11	5	11/25/2020 09:12	WG1582056
Lead	19.9		0.109	2.21	5	11/25/2020 09:12	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00416	0.0221	1	12/01/2020 21:04	WG1583808
Alpha BHC	U		0.00407	0.0221	1	12/01/2020 21:04	WG1583808
Beta BHC	U		0.00419	0.0221	1	12/01/2020 21:04	WG1583808
Delta BHC	U		0.00383	0.0221	1	12/01/2020 21:04	WG1583808
Gamma BHC	U		0.00380	0.0221	1	12/01/2020 21:04	WG1583808
4,4-DDD	0.0134	J	0.00409	0.0221	1	12/01/2020 21:04	WG1583808
4,4-DDE	0.113		0.00405	0.0221	1	12/01/2020 21:04	WG1583808
4,4-DDT	0.0493		0.00693	0.0221	1	12/01/2020 21:04	WG1583808
Dieldrin	U		0.00380	0.0221	1	12/01/2020 21:04	WG1583808
Endosulfan I	U		0.00401	0.0221	1	12/01/2020 21:04	WG1583808
Endosulfan II	U		0.00370	0.0221	1	12/01/2020 21:04	WG1583808
Endosulfan sulfate	U		0.00402	0.0221	1	12/01/2020 21:04	WG1583808
Endrin	U		0.00387	0.0221	1	12/01/2020 21:04	WG1583808
Endrin aldehyde	U		0.00375	0.0221	1	12/01/2020 21:04	WG1583808
Endrin ketone	U		0.00786	0.0221	1	12/01/2020 21:04	WG1583808
Heptachlor	U		0.00473	0.0221	1	12/01/2020 21:04	WG1583808
Heptachlor epoxide	U		0.00375	0.0221	1	12/01/2020 21:04	WG1583808
Hexachlorobenzene	U		0.00383	0.0221	1	12/01/2020 21:04	WG1583808
Methoxychlor	U		0.00535	0.0221	1	12/01/2020 21:04	WG1583808
Chlordane	U		0.114	0.332	1	12/01/2020 21:04	WG1583808
Toxaphene	U		0.137	0.442	1	12/01/2020 21:04	WG1583808
(S) Decachlorobiphenyl	*179*	J1		*10.0-135*		*12/01/2020 21:04*	WG1583808
(S) Tetrachloro-m-xylene	*99.4*			*10.0-139*		*12/01/2020 21:04*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0130	0.0376	1	12/01/2020 19:45	WG1583808
PCB 1221	U		0.0130	0.0376	1	12/01/2020 19:45	WG1583808
PCB 1232	U		0.0130	0.0376	1	12/01/2020 19:45	WG1583808
PCB 1242	U		0.0130	0.0376	1	12/01/2020 19:45	WG1583808
PCB 1248	U		0.00816	0.0188	1	12/01/2020 19:45	WG1583808
PCB 1254	U		0.00816	0.0188	1	12/01/2020 19:45	WG1583808
PCB 1260	U		0.00816	0.0188	1	12/01/2020 19:45	WG1583808
(S) Decachlorobiphenyl	*103*			*10.0-135*		*12/01/2020 19:45*	WG1583808
(S) Tetrachloro-m-xylene	*88.0*			*10.0-139*		*12/01/2020 19:45*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.9		1	11/30/2020 06:37	WG1582984

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00418	0.0222	1	12/01/2020 07:47	WG1583807
Alpha BHC	U		0.00409	0.0222	1	12/01/2020 07:47	WG1583807
Beta BHC	U		0.00421	0.0222	1	12/01/2020 07:47	WG1583807
Delta BHC	U		0.00385	0.0222	1	12/01/2020 07:47	WG1583807
Gamma BHC	U		0.00383	0.0222	1	12/01/2020 07:47	WG1583807
4,4-DDD	U		0.00411	0.0222	1	12/01/2020 07:47	WG1583807
4,4-DDE	0.0941	P	0.00407	0.0222	1	12/01/2020 07:47	WG1583807
4,4-DDT	0.0115	J	0.00697	0.0222	1	12/01/2020 07:47	WG1583807
Dieldrin	U		0.00383	0.0222	1	12/01/2020 07:47	WG1583807
Endosulfan I	U		0.00404	0.0222	1	12/01/2020 07:47	WG1583807
Endosulfan II	U		0.00373	0.0222	1	12/01/2020 07:47	WG1583807
Endosulfan sulfate	U		0.00405	0.0222	1	12/01/2020 07:47	WG1583807
Endrin	U		0.00389	0.0222	1	12/01/2020 07:47	WG1583807
Endrin aldehyde	U		0.00377	0.0222	1	12/01/2020 07:47	WG1583807
Endrin ketone	U		0.00791	0.0222	1	12/01/2020 07:47	WG1583807
Heptachlor	U		0.00476	0.0222	1	12/01/2020 07:47	WG1583807
Heptachlor epoxide	U		0.00377	0.0222	1	12/01/2020 07:47	WG1583807
Hexachlorobenzene	U		0.00385	0.0222	1	12/01/2020 07:47	WG1583807
Methoxychlor	U		0.00538	0.0222	1	12/01/2020 07:47	WG1583807
Chlordane	U		0.115	0.334	1	12/01/2020 07:47	WG1583807
Toxaphene	U		0.138	0.445	1	12/01/2020 07:47	WG1583807
(S) Decachlorobiphenyl	*96.0*			*10.0-135*		*12/01/2020 07:47*	WG1583807
(S) Tetrachloro-m-xylene	*89.7*			*10.0-139*		*12/01/2020 07:47*	WG1583807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.5		1	11/30/2020 06:37	WG1582984

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.56		0.106	1.06	5	11/25/2020 09:15	WG1582056
Lead	12.4		0.105	2.12	5	11/25/2020 09:15	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00398	0.0212	1	12/01/2020 21:17	WG1583808
Alpha BHC	U		0.00390	0.0212	1	12/01/2020 21:17	WG1583808
Beta BHC	U		0.00401	0.0212	1	12/01/2020 21:17	WG1583808
Delta BHC	U		0.00366	0.0212	1	12/01/2020 21:17	WG1583808
Gamma BHC	U		0.00364	0.0212	1	12/01/2020 21:17	WG1583808
4,4-DDD	0.0145	J	0.00392	0.0212	1	12/01/2020 21:17	WG1583808
4,4-DDE	0.116		0.00387	0.0212	1	12/01/2020 21:17	WG1583808
4,4-DDT	0.0323		0.00664	0.0212	1	12/01/2020 21:17	WG1583808
Dieldrin	U		0.00364	0.0212	1	12/01/2020 21:17	WG1583808
Endosulfan I	U		0.00384	0.0212	1	12/01/2020 21:17	WG1583808
Endosulfan II	U		0.00355	0.0212	1	12/01/2020 21:17	WG1583808
Endosulfan sulfate	U		0.00385	0.0212	1	12/01/2020 21:17	WG1583808
Endrin	U		0.00371	0.0212	1	12/01/2020 21:17	WG1583808
Endrin aldehyde	U		0.00359	0.0212	1	12/01/2020 21:17	WG1583808
Endrin ketone	U		0.00753	0.0212	1	12/01/2020 21:17	WG1583808
Heptachlor	U		0.00453	0.0212	1	12/01/2020 21:17	WG1583808
Heptachlor epoxide	U		0.00359	0.0212	1	12/01/2020 21:17	WG1583808
Hexachlorobenzene	U		0.00366	0.0212	1	12/01/2020 21:17	WG1583808
Methoxychlor	U		0.00512	0.0212	1	12/01/2020 21:17	WG1583808
Chlordane	U		0.109	0.318	1	12/01/2020 21:17	WG1583808
Toxaphene	U		0.131	0.423	1	12/01/2020 21:17	WG1583808
(S) Decachlorobiphenyl	*116*			*10.0-135*		*12/01/2020 21:17*	WG1583808
(S) Tetrachloro-m-xylene	*90.0*			*10.0-139*		*12/01/2020 21:17*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0125	0.0360	1	12/01/2020 19:57	WG1583808
PCB 1221	U		0.0125	0.0360	1	12/01/2020 19:57	WG1583808
PCB 1232	U		0.0125	0.0360	1	12/01/2020 19:57	WG1583808
PCB 1242	U		0.0125	0.0360	1	12/01/2020 19:57	WG1583808
PCB 1248	U		0.00781	0.0180	1	12/01/2020 19:57	WG1583808
PCB 1254	U		0.00781	0.0180	1	12/01/2020 19:57	WG1583808
PCB 1260	U		0.00781	0.0180	1	12/01/2020 19:57	WG1583808
(S) Decachlorobiphenyl	*110*			*10.0-135*		*12/01/2020 19:57*	WG1583808
(S) Tetrachloro-m-xylene	*86.4*			*10.0-139*		*12/01/2020 19:57*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.2		1	11/30/2020 06:37	WG1582984

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00387	0.0206	1	12/01/2020 08:00	WG1583807
Alpha BHC	U		0.00379	0.0206	1	12/01/2020 08:00	WG1583807
Beta BHC	U		0.00390	0.0206	1	12/01/2020 08:00	WG1583807
Delta BHC	U		0.00356	0.0206	1	12/01/2020 08:00	WG1583807
Gamma BHC	U		0.00354	0.0206	1	12/01/2020 08:00	WG1583807
4,4-DDD	U		0.00381	0.0206	1	12/01/2020 08:00	WG1583807
4,4-DDE	0.00519	J	0.00377	0.0206	1	12/01/2020 08:00	WG1583807
4,4-DDT	U		0.00645	0.0206	1	12/01/2020 08:00	WG1583807
Dieldrin	U		0.00354	0.0206	1	12/01/2020 08:00	WG1583807
Endosulfan I	U		0.00373	0.0206	1	12/01/2020 08:00	WG1583807
Endosulfan II	U		0.00345	0.0206	1	12/01/2020 08:00	WG1583807
Endosulfan sulfate	U		0.00375	0.0206	1	12/01/2020 08:00	WG1583807
Endrin	U		0.00360	0.0206	1	12/01/2020 08:00	WG1583807
Endrin aldehyde	U		0.00349	0.0206	1	12/01/2020 08:00	WG1583807
Endrin ketone	U		0.00732	0.0206	1	12/01/2020 08:00	WG1583807
Heptachlor	U		0.00440	0.0206	1	12/01/2020 08:00	WG1583807
Heptachlor epoxide	U		0.00349	0.0206	1	12/01/2020 08:00	WG1583807
Hexachlorobenzene	U		0.00356	0.0206	1	12/01/2020 08:00	WG1583807
Methoxychlor	U		0.00498	0.0206	1	12/01/2020 08:00	WG1583807
Chlordane	U		0.106	0.309	1	12/01/2020 08:00	WG1583807
Toxaphene	U		0.128	0.412	1	12/01/2020 08:00	WG1583807
(S) Decachlorobiphenyl	*99.4*			*10.0-135*		*12/01/2020 08:00*	WG1583807
(S) Tetrachloro-m-xylene	*92.0*			*10.0-139*		*12/01/2020 08:00*	WG1583807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.9		1	11/30/2020 06:37	WG1582984

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.56		0.107	1.07	5	11/25/2020 09:19	WG1582056
Lead	12.5		0.105	2.13	5	11/25/2020 09:19	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00400	0.0213	1	12/01/2020 21:30	WG1583808
Alpha BHC	U		0.00392	0.0213	1	12/01/2020 21:30	WG1583808
Beta BHC	U		0.00404	0.0213	1	12/01/2020 21:30	WG1583808
Delta BHC	U		0.00368	0.0213	1	12/01/2020 21:30	WG1583808
Gamma BHC	U		0.00366	0.0213	1	12/01/2020 21:30	WG1583808
4,4-DDD	0.0150	J	0.00394	0.0213	1	12/01/2020 21:30	WG1583808
4,4-DDE	0.115		0.00390	0.0213	1	12/01/2020 21:30	WG1583808
4,4-DDT	0.0373	P	0.00668	0.0213	1	12/01/2020 21:30	WG1583808
Dieldrin	U		0.00366	0.0213	1	12/01/2020 21:30	WG1583808
Endosulfan I	U		0.00387	0.0213	1	12/01/2020 21:30	WG1583808
Endosulfan II	U		0.00357	0.0213	1	12/01/2020 21:30	WG1583808
Endosulfan sulfate	U		0.00388	0.0213	1	12/01/2020 21:30	WG1583808
Endrin	U		0.00373	0.0213	1	12/01/2020 21:30	WG1583808
Endrin aldehyde	U		0.00361	0.0213	1	12/01/2020 21:30	WG1583808
Endrin ketone	U		0.00757	0.0213	1	12/01/2020 21:30	WG1583808
Heptachlor	U		0.00456	0.0213	1	12/01/2020 21:30	WG1583808
Heptachlor epoxide	U		0.00361	0.0213	1	12/01/2020 21:30	WG1583808
Hexachlorobenzene	U		0.00368	0.0213	1	12/01/2020 21:30	WG1583808
Methoxychlor	U		0.00515	0.0213	1	12/01/2020 21:30	WG1583808
Chlordane	U		0.110	0.320	1	12/01/2020 21:30	WG1583808
Toxaphene	U		0.132	0.426	1	12/01/2020 21:30	WG1583808
(S) Decachlorobiphenyl	*93.5*			*10.0-135*		*12/01/2020 21:30*	WG1583808
(S) Tetrachloro-m-xylene	*76.0*			*10.0-139*		*12/01/2020 21:30*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0126	0.0362	1	12/01/2020 20:07	WG1583808
PCB 1221	U		0.0126	0.0362	1	12/01/2020 20:07	WG1583808
PCB 1232	U		0.0126	0.0362	1	12/01/2020 20:07	WG1583808
PCB 1242	U		0.0126	0.0362	1	12/01/2020 20:07	WG1583808
PCB 1248	U		0.00786	0.0181	1	12/01/2020 20:07	WG1583808
PCB 1254	U		0.00786	0.0181	1	12/01/2020 20:07	WG1583808
PCB 1260	U		0.00786	0.0181	1	12/01/2020 20:07	WG1583808
(S) Decachlorobiphenyl	*100*			*10.0-135*		*12/01/2020 20:07*	WG1583808
(S) Tetrachloro-m-xylene	*80.1*			*10.0-139*		*12/01/2020 20:07*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.1		1	11/30/2020 06:37	WG1582984

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	5.23		0.115	1.15	5	11/25/2020 09:22	WG1582056
Lead	16.8		0.114	2.30	5	11/25/2020 09:22	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00432	0.0230	1	12/01/2020 21:43	WG1583808
Alpha BHC	U		0.00423	0.0230	1	12/01/2020 21:43	WG1583808
Beta BHC	U		0.00435	0.0230	1	12/01/2020 21:43	WG1583808
Delta BHC	U		0.00397	0.0230	1	12/01/2020 21:43	WG1583808
Gamma BHC	U		0.00395	0.0230	1	12/01/2020 21:43	WG1583808
4,4-DDD	0.00527	J	0.00425	0.0230	1	12/01/2020 21:43	WG1583808
4,4-DDE	0.0437		0.00420	0.0230	1	12/01/2020 21:43	WG1583808
4,4-DDT	0.0183	J	0.00720	0.0230	1	12/01/2020 21:43	WG1583808
Dieldrin	U		0.00395	0.0230	1	12/01/2020 21:43	WG1583808
Endosulfan I	U		0.00417	0.0230	1	12/01/2020 21:43	WG1583808
Endosulfan II	U		0.00385	0.0230	1	12/01/2020 21:43	WG1583808
Endosulfan sulfate	U		0.00418	0.0230	1	12/01/2020 21:43	WG1583808
Endrin	U		0.00402	0.0230	1	12/01/2020 21:43	WG1583808
Endrin aldehyde	U		0.00389	0.0230	1	12/01/2020 21:43	WG1583808
Endrin ketone	U		0.00817	0.0230	1	12/01/2020 21:43	WG1583808
Heptachlor	U		0.00492	0.0230	1	12/01/2020 21:43	WG1583808
Heptachlor epoxide	U		0.00389	0.0230	1	12/01/2020 21:43	WG1583808
Hexachlorobenzene	U		0.00397	0.0230	1	12/01/2020 21:43	WG1583808
Methoxychlor	U		0.00556	0.0230	1	12/01/2020 21:43	WG1583808
Chlordane	U		0.118	0.345	1	12/01/2020 21:43	WG1583808
Toxaphene	U		0.142	0.459	1	12/01/2020 21:43	WG1583808
(S) Decachlorobiphenyl	*84.4*			*10.0-135*		*12/01/2020 21:43*	WG1583808
(S) Tetrachloro-m-xylene	*78.0*			*10.0-139*		*12/01/2020 21:43*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0136	0.0391	1	12/01/2020 20:16	WG1583808
PCB 1221	U		0.0136	0.0391	1	12/01/2020 20:16	WG1583808
PCB 1232	U		0.0136	0.0391	1	12/01/2020 20:16	WG1583808
PCB 1242	U		0.0136	0.0391	1	12/01/2020 20:16	WG1583808
PCB 1248	U		0.00848	0.0195	1	12/01/2020 20:16	WG1583808
PCB 1254	U		0.00848	0.0195	1	12/01/2020 20:16	WG1583808
PCB 1260	U		0.00848	0.0195	1	12/01/2020 20:16	WG1583808
(S) Decachlorobiphenyl	*109*			*10.0-135*		*12/01/2020 20:16*	WG1583808
(S) Tetrachloro-m-xylene	*86.6*			*10.0-139*		*12/01/2020 20:16*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.1		1	11/30/2020 06:37	WG1582984

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00417	0.0222	1	12/01/2020 08:13	WG1583807
Alpha BHC	U		0.00409	0.0222	1	12/01/2020 08:13	WG1583807
Beta BHC	U		0.00421	0.0222	1	12/01/2020 08:13	WG1583807
Delta BHC	U		0.00384	0.0222	1	12/01/2020 08:13	WG1583807
Gamma BHC	U		0.00382	0.0222	1	12/01/2020 08:13	WG1583807
4,4-DDD	U		0.00411	0.0222	1	12/01/2020 08:13	WG1583807
4,4-DDE	0.0319		0.00406	0.0222	1	12/01/2020 08:13	WG1583807
4,4-DDT	0.0110	J	0.00696	0.0222	1	12/01/2020 08:13	WG1583807
Dieldrin	U		0.00382	0.0222	1	12/01/2020 08:13	WG1583807
Endosulfan I	U		0.00403	0.0222	1	12/01/2020 08:13	WG1583807
Endosulfan II	U		0.00372	0.0222	1	12/01/2020 08:13	WG1583807
Endosulfan sulfate	U		0.00404	0.0222	1	12/01/2020 08:13	WG1583807
Endrin	U		0.00389	0.0222	1	12/01/2020 08:13	WG1583807
Endrin aldehyde	U		0.00376	0.0222	1	12/01/2020 08:13	WG1583807
Endrin ketone	U		0.00789	0.0222	1	12/01/2020 08:13	WG1583807
Heptachlor	U		0.00475	0.0222	1	12/01/2020 08:13	WG1583807
Heptachlor epoxide	U		0.00376	0.0222	1	12/01/2020 08:13	WG1583807
Hexachlorobenzene	U		0.00384	0.0222	1	12/01/2020 08:13	WG1583807
Methoxychlor	U		0.00537	0.0222	1	12/01/2020 08:13	WG1583807
Chlordane	U		0.114	0.333	1	12/01/2020 08:13	WG1583807
Toxaphene	U		0.138	0.444	1	12/01/2020 08:13	WG1583807
(S) Decachlorobiphenyl	*96.1*			*10.0-135*		*12/01/2020 08:13*	WG1583807
(S) Tetrachloro-m-xylene	*88.9*			*10.0-139*		*12/01/2020 08:13*	WG1583807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.8		1	11/30/2020 06:37	WG1582984

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.37	J6	0.109	1.09	5	11/25/2020 11:00	WG1582050
Lead	30.3	J6 O1	0.108	2.18	5	11/25/2020 11:00	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00409	0.0218	1	12/01/2020 21:57	WG1583808
Alpha BHC	U		0.00401	0.0218	1	12/01/2020 21:57	WG1583808
Beta BHC	U		0.00413	0.0218	1	12/01/2020 21:57	WG1583808
Delta BHC	U		0.00377	0.0218	1	12/01/2020 21:57	WG1583808
Gamma BHC	U		0.00375	0.0218	1	12/01/2020 21:57	WG1583808
4,4-DDD	0.0384		0.00403	0.0218	1	12/01/2020 21:57	WG1583808
4,4-DDE	0.265		0.00399	0.0218	1	12/01/2020 21:57	WG1583808
4,4-DDT	0.156		0.00683	0.0218	1	12/01/2020 21:57	WG1583808
Dieldrin	U		0.00375	0.0218	1	12/01/2020 21:57	WG1583808
Endosulfan I	U		0.00395	0.0218	1	12/01/2020 21:57	WG1583808
Endosulfan II	U		0.00365	0.0218	1	12/01/2020 21:57	WG1583808
Endosulfan sulfate	U		0.00396	0.0218	1	12/01/2020 21:57	WG1583808
Endrin	U		0.00381	0.0218	1	12/01/2020 21:57	WG1583808
Endrin aldehyde	U		0.00369	0.0218	1	12/01/2020 21:57	WG1583808
Endrin ketone	U		0.00774	0.0218	1	12/01/2020 21:57	WG1583808
Heptachlor	U		0.00466	0.0218	1	12/01/2020 21:57	WG1583808
Heptachlor epoxide	U		0.00369	0.0218	1	12/01/2020 21:57	WG1583808
Hexachlorobenzene	U		0.00377	0.0218	1	12/01/2020 21:57	WG1583808
Methoxychlor	U		0.00527	0.0218	1	12/01/2020 21:57	WG1583808
Chlordane	U		0.112	0.327	1	12/01/2020 21:57	WG1583808
Toxaphene	U		0.135	0.436	1	12/01/2020 21:57	WG1583808
(S) Decachlorobiphenyl	*204*	J1		*10.0-135*		*12/01/2020 21:57*	WG1583808
(S) Tetrachloro-m-xylene	*82.2*			*10.0-139*		*12/01/2020 21:57*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0129	0.0370	1	12/01/2020 20:26	WG1583808
PCB 1221	U		0.0129	0.0370	1	12/01/2020 20:26	WG1583808
PCB 1232	U		0.0129	0.0370	1	12/01/2020 20:26	WG1583808
PCB 1242	U		0.0129	0.0370	1	12/01/2020 20:26	WG1583808
PCB 1248	U		0.00804	0.0185	1	12/01/2020 20:26	WG1583808
PCB 1254	0.652	P	0.00804	0.0185	1	12/02/2020 10:39	WG1583808
PCB 1260	U	C4	0.00804	0.0185	1	12/01/2020 20:26	WG1583808
(S) Decachlorobiphenyl	*76.3*			*10.0-135*		*12/02/2020 10:39*	WG1583808
(S) Decachlorobiphenyl	*89.1*			*10.0-135*		*12/01/2020 20:26*	WG1583808
(S) Tetrachloro-m-xylene	*90.2*			*10.0-139*		*12/02/2020 10:39*	WG1583808
(S) Tetrachloro-m-xylene	*65.2*			*10.0-139*		*12/01/2020 20:26*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.2		1	11/30/2020 06:37	WG1582984

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00412	0.0219	1	12/01/2020 08:27	WG1583807
Alpha BHC	U		0.00403	0.0219	1	12/01/2020 08:27	WG1583807
Beta BHC	U		0.00416	0.0219	1	12/01/2020 08:27	WG1583807
Delta BHC	U		0.00379	0.0219	1	12/01/2020 08:27	WG1583807
Gamma BHC	U		0.00377	0.0219	1	12/01/2020 08:27	WG1583807
4,4-DDD	U		0.00406	0.0219	1	12/01/2020 08:27	WG1583807
4,4-DDE	0.0377		0.00401	0.0219	1	12/01/2020 08:27	WG1583807
4,4-DDT	0.0125	J	0.00687	0.0219	1	12/01/2020 08:27	WG1583807
Dieldrin	U		0.00377	0.0219	1	12/01/2020 08:27	WG1583807
Endosulfan I	U		0.00398	0.0219	1	12/01/2020 08:27	WG1583807
Endosulfan II	U		0.00367	0.0219	1	12/01/2020 08:27	WG1583807
Endosulfan sulfate	U		0.00399	0.0219	1	12/01/2020 08:27	WG1583807
Endrin	U		0.00384	0.0219	1	12/01/2020 08:27	WG1583807
Endrin aldehyde	U		0.00372	0.0219	1	12/01/2020 08:27	WG1583807
Endrin ketone	U		0.00780	0.0219	1	12/01/2020 08:27	WG1583807
Heptachlor	U		0.00469	0.0219	1	12/01/2020 08:27	WG1583807
Heptachlor epoxide	U		0.00372	0.0219	1	12/01/2020 08:27	WG1583807
Hexachlorobenzene	U		0.00379	0.0219	1	12/01/2020 08:27	WG1583807
Methoxychlor	U		0.00531	0.0219	1	12/01/2020 08:27	WG1583807
Chlordane	U		0.113	0.329	1	12/01/2020 08:27	WG1583807
Toxaphene	U		0.136	0.439	1	12/01/2020 08:27	WG1583807
(S) Decachlorobiphenyl	*103*			*10.0-135*		*12/01/2020 08:27*	WG1583807
(S) Tetrachloro-m-xylene	*89.2*			*10.0-139*		*12/01/2020 08:27*	WG1583807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.1		1	11/30/2020 06:37	WG1582984

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.32		0.106	1.06	5	11/25/2020 09:26	WG1582056
Lead	20.1		0.105	2.13	5	11/25/2020 09:26	WG1582056

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00400	0.0213	1	12/01/2020 22:10	WG1583808
Alpha BHC	U		0.00391	0.0213	1	12/01/2020 22:10	WG1583808
Beta BHC	U		0.00403	0.0213	1	12/01/2020 22:10	WG1583808
Delta BHC	U		0.00368	0.0213	1	12/01/2020 22:10	WG1583808
Gamma BHC	U		0.00366	0.0213	1	12/01/2020 22:10	WG1583808
4,4-DDD	0.0144	J	0.00393	0.0213	1	12/01/2020 22:10	WG1583808
4,4-DDE	0.161		0.00389	0.0213	1	12/01/2020 22:10	WG1583808
4,4-DDT	0.0303	P	0.00667	0.0213	1	12/01/2020 22:10	WG1583808
Dieldrin	U		0.00366	0.0213	1	12/01/2020 22:10	WG1583808
Endosulfan I	U		0.00386	0.0213	1	12/01/2020 22:10	WG1583808
Endosulfan II	U		0.00356	0.0213	1	12/01/2020 22:10	WG1583808
Endosulfan sulfate	U		0.00387	0.0213	1	12/01/2020 22:10	WG1583808
Endrin	U		0.00372	0.0213	1	12/01/2020 22:10	WG1583808
Endrin aldehyde	U		0.00360	0.0213	1	12/01/2020 22:10	WG1583808
Endrin ketone	U		0.00756	0.0213	1	12/01/2020 22:10	WG1583808
Heptachlor	U		0.00455	0.0213	1	12/01/2020 22:10	WG1583808
Heptachlor epoxide	U		0.00360	0.0213	1	12/01/2020 22:10	WG1583808
Hexachlorobenzene	U		0.00368	0.0213	1	12/01/2020 22:10	WG1583808
Methoxychlor	U		0.00515	0.0213	1	12/01/2020 22:10	WG1583808
Chlordane	U		0.110	0.319	1	12/01/2020 22:10	WG1583808
Toxaphene	U		0.132	0.425	1	12/01/2020 22:10	WG1583808
(S) Decachlorobiphenyl	*107*			*10.0-135*		*12/01/2020 22:10*	WG1583808
(S) Tetrachloro-m-xylene	*96.2*			*10.0-139*		*12/01/2020 22:10*	WG1583808

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0125	0.0361	1	12/01/2020 20:38	WG1583808
PCB 1221	U		0.0125	0.0361	1	12/01/2020 20:38	WG1583808
PCB 1232	U		0.0125	0.0361	1	12/01/2020 20:38	WG1583808
PCB 1242	U		0.0125	0.0361	1	12/01/2020 20:38	WG1583808
PCB 1248	U		0.00785	0.0181	1	12/01/2020 20:38	WG1583808
PCB 1254	U		0.00785	0.0181	1	12/01/2020 20:38	WG1583808
PCB 1260	U		0.00785	0.0181	1	12/01/2020 20:38	WG1583808
(S) Decachlorobiphenyl	*117*			*10.0-135*		*12/01/2020 20:38*	WG1583808
(S) Tetrachloro-m-xylene	*95.2*			*10.0-139*		*12/01/2020 20:38*	WG1583808

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.4		1	11/30/2020 06:37	WG1582984

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.56		0.106	1.06	5	11/25/2020 11:18	WG1582050
Lead	8.79		0.105	2.12	5	11/25/2020 11:18	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00398	0.0212	1	12/02/2020 08:37	WG1583809
Alpha BHC	U		0.00390	0.0212	1	12/02/2020 08:37	WG1583809
Beta BHC	U		0.00401	0.0212	1	12/02/2020 08:37	WG1583809
Delta BHC	U		0.00366	0.0212	1	12/02/2020 08:37	WG1583809
Gamma BHC	U		0.00364	0.0212	1	12/02/2020 08:37	WG1583809
4,4-DDD	0.00727	J	0.00392	0.0212	1	12/02/2020 08:37	WG1583809
4,4-DDE	0.102		0.00388	0.0212	1	12/02/2020 08:37	WG1583809
4,4-DDT	0.0425		0.00664	0.0212	1	12/02/2020 08:37	WG1583809
Dieldrin	U		0.00364	0.0212	1	12/02/2020 08:37	WG1583809
Endosulfan I	U		0.00384	0.0212	1	12/02/2020 08:37	WG1583809
Endosulfan II	U		0.00355	0.0212	1	12/02/2020 08:37	WG1583809
Endosulfan sulfate	U		0.00386	0.0212	1	12/02/2020 08:37	WG1583809
Endrin	U		0.00371	0.0212	1	12/02/2020 08:37	WG1583809
Endrin aldehyde	U		0.00359	0.0212	1	12/02/2020 08:37	WG1583809
Endrin ketone	U		0.00753	0.0212	1	12/02/2020 08:37	WG1583809
Heptachlor	U		0.00453	0.0212	1	12/02/2020 08:37	WG1583809
Heptachlor epoxide	U		0.00359	0.0212	1	12/02/2020 08:37	WG1583809
Hexachlorobenzene	U		0.00366	0.0212	1	12/02/2020 08:37	WG1583809
Methoxychlor	U		0.00513	0.0212	1	12/02/2020 08:37	WG1583809
Chlordane	U		0.109	0.318	1	12/02/2020 08:37	WG1583809
Toxaphene	U		0.131	0.424	1	12/02/2020 08:37	WG1583809
(S) Decachlorobiphenyl	*78.4*			*10.0-135*		*12/02/2020 08:37*	WG1583809
(S) Tetrachloro-m-xylene	*74.1*			*10.0-139*		*12/02/2020 08:37*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0125	0.0360	1	12/02/2020 04:13	WG1583809
PCB 1221	U		0.0125	0.0360	1	12/02/2020 04:13	WG1583809
PCB 1232	U		0.0125	0.0360	1	12/02/2020 04:13	WG1583809
PCB 1242	U		0.0125	0.0360	1	12/02/2020 04:13	WG1583809
PCB 1248	U		0.00782	0.0180	1	12/02/2020 04:13	WG1583809
PCB 1254	U		0.00782	0.0180	1	12/02/2020 04:13	WG1583809
PCB 1260	U		0.00782	0.0180	1	12/02/2020 04:13	WG1583809
(S) Decachlorobiphenyl	*89.0*			*10.0-135*		*12/02/2020 04:13*	WG1583809
(S) Tetrachloro-m-xylene	*100*			*10.0-139*		*12/02/2020 04:13*	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.3		1	11/30/2020 06:48	WG1582985

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	5.89		0.133	1.33	5	11/25/2020 11:21	WG1582050
Lead	23.8		0.131	2.65	5	11/25/2020 11:21	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00499	0.0265	1	12/02/2020 08:49	WG1583809
Alpha BHC	U		0.00488	0.0265	1	12/02/2020 08:49	WG1583809
Beta BHC	U		0.00503	0.0265	1	12/02/2020 08:49	WG1583809
Delta BHC	U		0.00459	0.0265	1	12/02/2020 08:49	WG1583809
Gamma BHC	U		0.00457	0.0265	1	12/02/2020 08:49	WG1583809
4,4-DDD	U		0.00491	0.0265	1	12/02/2020 08:49	WG1583809
4,4-DDE	0.0433		0.00486	0.0265	1	12/02/2020 08:49	WG1583809
4,4-DDT	0.0129	J	0.00832	0.0265	1	12/02/2020 08:49	WG1583809
Dieldrin	U		0.00457	0.0265	1	12/02/2020 08:49	WG1583809
Endosulfan I	U		0.00482	0.0265	1	12/02/2020 08:49	WG1583809
Endosulfan II	U		0.00445	0.0265	1	12/02/2020 08:49	WG1583809
Endosulfan sulfate	U		0.00483	0.0265	1	12/02/2020 08:49	WG1583809
Endrin	U		0.00465	0.0265	1	12/02/2020 08:49	WG1583809
Endrin aldehyde	U		0.00450	0.0265	1	12/02/2020 08:49	WG1583809
Endrin ketone	U		0.00944	0.0265	1	12/02/2020 08:49	WG1583809
Heptachlor	U		0.00568	0.0265	1	12/02/2020 08:49	WG1583809
Heptachlor epoxide	U		0.00450	0.0265	1	12/02/2020 08:49	WG1583809
Hexachlorobenzene	U		0.00459	0.0265	1	12/02/2020 08:49	WG1583809
Methoxychlor	U		0.00642	0.0265	1	12/02/2020 08:49	WG1583809
Chlordane	U		0.137	0.398	1	12/02/2020 08:49	WG1583809
Toxaphene	U		0.165	0.531	1	12/02/2020 08:49	WG1583809
(S) Decachlorobiphenyl	*45.3*			*10.0-135*		*12/02/2020 08:49*	WG1583809
(S) Tetrachloro-m-xylene	*52.0*			*10.0-139*		*12/02/2020 08:49*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0157	0.0451	1	12/02/2020 04:24	WG1583809
PCB 1221	U		0.0157	0.0451	1	12/02/2020 04:24	WG1583809
PCB 1232	U		0.0157	0.0451	1	12/02/2020 04:24	WG1583809
PCB 1242	U		0.0157	0.0451	1	12/02/2020 04:24	WG1583809
PCB 1248	U		0.00980	0.0226	1	12/02/2020 04:24	WG1583809
PCB 1254	0.0532		0.00980	0.0226	1	12/02/2020 04:24	WG1583809
PCB 1260	U		0.00980	0.0226	1	12/02/2020 04:24	WG1583809
(S) Decachlorobiphenyl	*48.5*			*10.0-135*		*12/02/2020 04:24*	WG1583809
(S) Tetrachloro-m-xylene	*70.0*			*10.0-139*		*12/02/2020 04:24*	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.8		1	11/30/2020 06:48	WG1582985

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	5.00		0.111	1.11	5	11/25/2020 11:25	WG1582050
Lead	26.2		0.110	2.23	5	11/25/2020 11:25	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00419	0.0223	1	12/02/2020 09:01	WG1583809
Alpha BHC	U		0.00410	0.0223	1	12/02/2020 09:01	WG1583809
Beta BHC	U		0.00422	0.0223	1	12/02/2020 09:01	WG1583809
Delta BHC	U		0.00385	0.0223	1	12/02/2020 09:01	WG1583809
Gamma BHC	U		0.00383	0.0223	1	12/02/2020 09:01	WG1583809
4,4-DDD	0.00467	J	0.00412	0.0223	1	12/02/2020 09:01	WG1583809
4,4-DDE	0.101		0.00408	0.0223	1	12/02/2020 09:01	WG1583809
4,4-DDT	0.0722		0.00698	0.0223	1	12/02/2020 09:01	WG1583809
Dieldrin	U		0.00383	0.0223	1	12/02/2020 09:01	WG1583809
Endosulfan I	U		0.00404	0.0223	1	12/02/2020 09:01	WG1583809
Endosulfan II	U		0.00373	0.0223	1	12/02/2020 09:01	WG1583809
Endosulfan sulfate	U		0.00405	0.0223	1	12/02/2020 09:01	WG1583809
Endrin	U		0.00390	0.0223	1	12/02/2020 09:01	WG1583809
Endrin aldehyde	U		0.00378	0.0223	1	12/02/2020 09:01	WG1583809
Endrin ketone	U		0.00792	0.0223	1	12/02/2020 09:01	WG1583809
Heptachlor	U		0.00477	0.0223	1	12/02/2020 09:01	WG1583809
Heptachlor epoxide	U		0.00378	0.0223	1	12/02/2020 09:01	WG1583809
Hexachlorobenzene	U		0.00385	0.0223	1	12/02/2020 09:01	WG1583809
Methoxychlor	U		0.00539	0.0223	1	12/02/2020 09:01	WG1583809
Chlordane	U		0.115	0.334	1	12/02/2020 09:01	WG1583809
Toxaphene	U		0.138	0.446	1	12/02/2020 09:01	WG1583809
(S) Decachlorobiphenyl	*89.1*			*10.0-135*		*12/02/2020 09:01*	WG1583809
(S) Tetrachloro-m-xylene	*63.1*			*10.0-139*		*12/02/2020 09:01*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0131	0.0379	1	12/02/2020 04:35	WG1583809
PCB 1221	U		0.0131	0.0379	1	12/02/2020 04:35	WG1583809
PCB 1232	U		0.0131	0.0379	1	12/02/2020 04:35	WG1583809
PCB 1242	U		0.0131	0.0379	1	12/02/2020 04:35	WG1583809
PCB 1248	U		0.00822	0.0189	1	12/02/2020 04:35	WG1583809
PCB 1254	0.245		0.00822	0.0189	1	12/02/2020 04:35	WG1583809
PCB 1260	U		0.00822	0.0189	1	12/02/2020 04:35	WG1583809
(S) Decachlorobiphenyl	*69.5*			*10.0-135*		*12/02/2020 04:35*	WG1583809
(S) Tetrachloro-m-xylene	*77.1*			*10.0-139*		*12/02/2020 04:35*	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	11/30/2020 06:48	WG1582985

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.50		0.114	1.14	5	11/25/2020 11:35	WG1582050
Lead	29.8		0.112	2.27	5	11/25/2020 11:35	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00427	0.0227	1	12/02/2020 09:14	WG1583809
Alpha BHC	U		0.00418	0.0227	1	12/02/2020 09:14	WG1583809
Beta BHC	U		0.00430	0.0227	1	12/02/2020 09:14	WG1583809
Delta BHC	U		0.00393	0.0227	1	12/02/2020 09:14	WG1583809
Gamma BHC	U		0.00391	0.0227	1	12/02/2020 09:14	WG1583809
4,4-DDD	0.00421	J	0.00420	0.0227	1	12/02/2020 09:14	WG1583809
4,4-DDE	0.0596		0.00416	0.0227	1	12/02/2020 09:14	WG1583809
4,4-DDT	0.0407		0.00712	0.0227	1	12/02/2020 09:14	WG1583809
Dieldrin	U		0.00391	0.0227	1	12/02/2020 09:14	WG1583809
Endosulfan I	U		0.00412	0.0227	1	12/02/2020 09:14	WG1583809
Endosulfan II	U		0.00380	0.0227	1	12/02/2020 09:14	WG1583809
Endosulfan sulfate	U		0.00413	0.0227	1	12/02/2020 09:14	WG1583809
Endrin	U		0.00397	0.0227	1	12/02/2020 09:14	WG1583809
Endrin aldehyde	U		0.00385	0.0227	1	12/02/2020 09:14	WG1583809
Endrin ketone	U		0.00807	0.0227	1	12/02/2020 09:14	WG1583809
Heptachlor	U		0.00486	0.0227	1	12/02/2020 09:14	WG1583809
Heptachlor epoxide	U		0.00385	0.0227	1	12/02/2020 09:14	WG1583809
Hexachlorobenzene	U		0.00393	0.0227	1	12/02/2020 09:14	WG1583809
Methoxychlor	U		0.00550	0.0227	1	12/02/2020 09:14	WG1583809
Chlordane	U		0.117	0.341	1	12/02/2020 09:14	WG1583809
Toxaphene	U		0.141	0.454	1	12/02/2020 09:14	WG1583809
(S) Decachlorobiphenyl	*58.6*			*10.0-135*		*12/02/2020 09:14*	WG1583809
(S) Tetrachloro-m-xylene	*54.9*			*10.0-139*		*12/02/2020 09:14*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0134	0.0386	1	12/02/2020 04:47	WG1583809
PCB 1221	U		0.0134	0.0386	1	12/02/2020 04:47	WG1583809
PCB 1232	U		0.0134	0.0386	1	12/02/2020 04:47	WG1583809
PCB 1242	U		0.0134	0.0386	1	12/02/2020 04:47	WG1583809
PCB 1248	U		0.00838	0.0193	1	12/02/2020 04:47	WG1583809
PCB 1254	U		0.00838	0.0193	1	12/02/2020 04:47	WG1583809
PCB 1260	U		0.00838	0.0193	1	12/02/2020 04:47	WG1583809
(S) Decachlorobiphenyl	*60.4*			*10.0-135*		*12/02/2020 04:47*	WG1583809
(S) Tetrachloro-m-xylene	*73.4*			*10.0-139*		*12/02/2020 04:47*	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.7		1	11/30/2020 06:48	WG1582985

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.43		0.107	1.07	5	11/25/2020 11:38	WG1582050
Lead	16.7		0.106	2.13	5	11/25/2020 11:38	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00401	0.0213	1	12/02/2020 09:26	WG1583809
Alpha BHC	U		0.00393	0.0213	1	12/02/2020 09:26	WG1583809
Beta BHC	U		0.00404	0.0213	1	12/02/2020 09:26	WG1583809
Delta BHC	U		0.00369	0.0213	1	12/02/2020 09:26	WG1583809
Gamma BHC	U		0.00367	0.0213	1	12/02/2020 09:26	WG1583809
4,4-DDD	0.00545	J	0.00395	0.0213	1	12/02/2020 09:26	WG1583809
4,4-DDE	0.101		0.00391	0.0213	1	12/02/2020 09:26	WG1583809
4,4-DDT	0.0649		0.00669	0.0213	1	12/02/2020 09:26	WG1583809
Dieldrin	U		0.00367	0.0213	1	12/02/2020 09:26	WG1583809
Endosulfan I	U		0.00387	0.0213	1	12/02/2020 09:26	WG1583809
Endosulfan II	U		0.00357	0.0213	1	12/02/2020 09:26	WG1583809
Endosulfan sulfate	U		0.00388	0.0213	1	12/02/2020 09:26	WG1583809
Endrin	U		0.00373	0.0213	1	12/02/2020 09:26	WG1583809
Endrin aldehyde	U		0.00362	0.0213	1	12/02/2020 09:26	WG1583809
Endrin ketone	U		0.00759	0.0213	1	12/02/2020 09:26	WG1583809
Heptachlor	U		0.00457	0.0213	1	12/02/2020 09:26	WG1583809
Heptachlor epoxide	U		0.00362	0.0213	1	12/02/2020 09:26	WG1583809
Hexachlorobenzene	U		0.00369	0.0213	1	12/02/2020 09:26	WG1583809
Methoxychlor	U		0.00516	0.0213	1	12/02/2020 09:26	WG1583809
Chlordane	U		0.110	0.320	1	12/02/2020 09:26	WG1583809
Toxaphene	U		0.132	0.427	1	12/02/2020 09:26	WG1583809
(S) Decachlorobiphenyl	*79.4*			*10.0-135*		*12/02/2020 09:26*	WG1583809
(S) Tetrachloro-m-xylene	*67.3*			*10.0-139*		*12/02/2020 09:26*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0126	0.0363	1	12/02/2020 04:57	WG1583809
PCB 1221	U		0.0126	0.0363	1	12/02/2020 04:57	WG1583809
PCB 1232	U		0.0126	0.0363	1	12/02/2020 04:57	WG1583809
PCB 1242	U		0.0126	0.0363	1	12/02/2020 04:57	WG1583809
PCB 1248	U		0.00788	0.0181	1	12/02/2020 04:57	WG1583809
PCB 1254	U		0.00788	0.0181	1	12/02/2020 04:57	WG1583809
PCB 1260	U		0.00788	0.0181	1	12/02/2020 04:57	WG1583809
(S) Decachlorobiphenyl	*76.5*			*10.0-135*		*12/02/2020 04:57*	WG1583809
(S) Tetrachloro-m-xylene	*85.9*			*10.0-139*		*12/02/2020 04:57*	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.3		1	11/30/2020 06:48	WG1582985

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.62		0.107	1.07	5	11/25/2020 11:42	WG1582050
Lead	19.3		0.106	2.14	5	11/25/2020 11:42	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00403	0.0214	1	12/02/2020 09:38	WG1583809
Alpha BHC	U		0.00395	0.0214	1	12/02/2020 09:38	WG1583809
Beta BHC	U		0.00406	0.0214	1	12/02/2020 09:38	WG1583809
Delta BHC	U		0.00371	0.0214	1	12/02/2020 09:38	WG1583809
Gamma BHC	U		0.00369	0.0214	1	12/02/2020 09:38	WG1583809
4,4-DDD	U		0.00397	0.0214	1	12/02/2020 09:38	WG1583809
4,4-DDE	0.105		0.00392	0.0214	1	12/02/2020 09:38	WG1583809
4,4-DDT	0.0406		0.00672	0.0214	1	12/02/2020 09:38	WG1583809
Dieldrin	U		0.00369	0.0214	1	12/02/2020 09:38	WG1583809
Endosulfan I	U		0.00389	0.0214	1	12/02/2020 09:38	WG1583809
Endosulfan II	U		0.00359	0.0214	1	12/02/2020 09:38	WG1583809
Endosulfan sulfate	U		0.00390	0.0214	1	12/02/2020 09:38	WG1583809
Endrin	U		0.00375	0.0214	1	12/02/2020 09:38	WG1583809
Endrin aldehyde	U		0.00363	0.0214	1	12/02/2020 09:38	WG1583809
Endrin ketone	U		0.00762	0.0214	1	12/02/2020 09:38	WG1583809
Heptachlor	U		0.00459	0.0214	1	12/02/2020 09:38	WG1583809
Heptachlor epoxide	U		0.00363	0.0214	1	12/02/2020 09:38	WG1583809
Hexachlorobenzene	U		0.00371	0.0214	1	12/02/2020 09:38	WG1583809
Methoxychlor	U		0.00519	0.0214	1	12/02/2020 09:38	WG1583809
Chlordane	U		0.110	0.322	1	12/02/2020 09:38	WG1583809
Toxaphene	U		0.133	0.429	1	12/02/2020 09:38	WG1583809
(S) Decachlorobiphenyl	*77.5*			*10.0-135*		*12/02/2020 09:38*	WG1583809
(S) Tetrachloro-m-xylene	*74.3*			*10.0-139*		*12/02/2020 09:38*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0127	0.0365	1	12/02/2020 05:08	WG1583809
PCB 1221	U		0.0127	0.0365	1	12/02/2020 05:08	WG1583809
PCB 1232	U		0.0127	0.0365	1	12/02/2020 05:08	WG1583809
PCB 1242	U		0.0127	0.0365	1	12/02/2020 05:08	WG1583809
PCB 1248	U		0.00791	0.0182	1	12/02/2020 05:08	WG1583809
PCB 1254	U		0.00791	0.0182	1	12/02/2020 05:08	WG1583809
PCB 1260	U		0.00791	0.0182	1	12/02/2020 05:08	WG1583809
(S) Decachlorobiphenyl	*84.2*			*10.0-135*		*12/02/2020 05:08*	WG1583809
(S) Tetrachloro-m-xylene	*96.9*			*10.0-139*		*12/02/2020 05:08*	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.2		1	11/30/2020 06:48	WG1582985

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00481	0.0256	1	12/01/2020 08:40	WG1583807
Alpha BHC	U		0.00470	0.0256	1	12/01/2020 08:40	WG1583807
Beta BHC	U		0.00484	0.0256	1	12/01/2020 08:40	WG1583807
Delta BHC	U		0.00442	0.0256	1	12/01/2020 08:40	WG1583807
Gamma BHC	U		0.00440	0.0256	1	12/01/2020 08:40	WG1583807
4,4-DDD	U		0.00473	0.0256	1	12/01/2020 08:40	WG1583807
4,4-DDE	0.0322		0.00468	0.0256	1	12/01/2020 08:40	WG1583807
4,4-DDT	U		0.00801	0.0256	1	12/01/2020 08:40	WG1583807
Dieldrin	U		0.00440	0.0256	1	12/01/2020 08:40	WG1583807
Endosulfan I	U		0.00464	0.0256	1	12/01/2020 08:40	WG1583807
Endosulfan II	U		0.00428	0.0256	1	12/01/2020 08:40	WG1583807
Endosulfan sulfate	U		0.00465	0.0256	1	12/01/2020 08:40	WG1583807
Endrin	U		0.00447	0.0256	1	12/01/2020 08:40	WG1583807
Endrin aldehyde	U		0.00433	0.0256	1	12/01/2020 08:40	WG1583807
Endrin ketone	U		0.00909	0.0256	1	12/01/2020 08:40	WG1583807
Heptachlor	U		0.00547	0.0256	1	12/01/2020 08:40	WG1583807
Heptachlor epoxide	U		0.00433	0.0256	1	12/01/2020 08:40	WG1583807
Hexachlorobenzene	U		0.00442	0.0256	1	12/01/2020 08:40	WG1583807
Methoxychlor	U		0.00619	0.0256	1	12/01/2020 08:40	WG1583807
Chlordane	U		0.132	0.383	1	12/01/2020 08:40	WG1583807
Toxaphene	U		0.158	0.511	1	12/01/2020 08:40	WG1583807
(S) Decachlorobiphenyl	*82.3*			*10.0-135*		*12/01/2020 08:40*	WG1583807
(S) Tetrachloro-m-xylene	*74.0*			*10.0-139*		*12/01/2020 08:40*	WG1583807

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.5		1	11/30/2020 06:48	WG1582985

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.12		0.106	1.06	5	11/25/2020 11:45	WG1582050
Lead	26.8		0.105	2.12	5	11/25/2020 11:45	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00398	0.0212	1	12/02/2020 09:51	WG1583809
Alpha BHC	U		0.00390	0.0212	1	12/02/2020 09:51	WG1583809
Beta BHC	U		0.00401	0.0212	1	12/02/2020 09:51	WG1583809
Delta BHC	U		0.00366	0.0212	1	12/02/2020 09:51	WG1583809
Gamma BHC	U		0.00364	0.0212	1	12/02/2020 09:51	WG1583809
4,4-DDD	0.00688	J	0.00392	0.0212	1	12/02/2020 09:51	WG1583809
4,4-DDE	0.0951		0.00387	0.0212	1	12/02/2020 09:51	WG1583809
4,4-DDT	0.0752		0.00664	0.0212	1	12/02/2020 09:51	WG1583809
Dieldrin	U		0.00364	0.0212	1	12/02/2020 09:51	WG1583809
Endosulfan I	U		0.00384	0.0212	1	12/02/2020 09:51	WG1583809
Endosulfan II	U		0.00355	0.0212	1	12/02/2020 09:51	WG1583809
Endosulfan sulfate	U		0.00385	0.0212	1	12/02/2020 09:51	WG1583809
Endrin	U		0.00371	0.0212	1	12/02/2020 09:51	WG1583809
Endrin aldehyde	U		0.00359	0.0212	1	12/02/2020 09:51	WG1583809
Endrin ketone	U		0.00753	0.0212	1	12/02/2020 09:51	WG1583809
Heptachlor	U		0.00453	0.0212	1	12/02/2020 09:51	WG1583809
Heptachlor epoxide	U		0.00359	0.0212	1	12/02/2020 09:51	WG1583809
Hexachlorobenzene	U		0.00366	0.0212	1	12/02/2020 09:51	WG1583809
Methoxychlor	U		0.00512	0.0212	1	12/02/2020 09:51	WG1583809
Chlordane	U		0.109	0.318	1	12/02/2020 09:51	WG1583809
Toxaphene	U		0.131	0.423	1	12/02/2020 09:51	WG1583809
(S) Decachlorobiphenyl	*79.9*			*10.0-135*		*12/02/2020 09:51*	WG1583809
(S) Tetrachloro-m-xylene	*72.3*			*10.0-139*		*12/02/2020 09:51*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0125	0.0360	1	12/02/2020 05:19	WG1583809
PCB 1221	U		0.0125	0.0360	1	12/02/2020 05:19	WG1583809
PCB 1232	U		0.0125	0.0360	1	12/02/2020 05:19	WG1583809
PCB 1242	U		0.0125	0.0360	1	12/02/2020 05:19	WG1583809
PCB 1248	U		0.00781	0.0180	1	12/02/2020 05:19	WG1583809
PCB 1254	U		0.00781	0.0180	1	12/02/2020 05:19	WG1583809
PCB 1260	U		0.00781	0.0180	1	12/02/2020 05:19	WG1583809
(S) Decachlorobiphenyl	*86.0*			*10.0-135*		*12/02/2020 05:19*	WG1583809
(S) Tetrachloro-m-xylene	*97.5*			*10.0-139*		*12/02/2020 05:19*	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.7		1	11/30/2020 06:48	WG1582985

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00478	0.0254	1	12/01/2020 08:53	WG1583807
Alpha BHC	U		0.00468	0.0254	1	12/01/2020 08:53	WG1583807
Beta BHC	U		0.00482	0.0254	1	12/01/2020 08:53	WG1583807
Delta BHC	U		0.00440	0.0254	1	12/01/2020 08:53	WG1583807
Gamma BHC	U		0.00437	0.0254	1	12/01/2020 08:53	WG1583807
4,4-DDD	U		0.00470	0.0254	1	12/01/2020 08:53	WG1583807
4,4-DDE	U		0.00465	0.0254	1	12/01/2020 08:53	WG1583807
4,4-DDT	U		0.00797	0.0254	1	12/01/2020 08:53	WG1583807
Dieldrin	U		0.00437	0.0254	1	12/01/2020 08:53	WG1583807
Endosulfan I	U		0.00461	0.0254	1	12/01/2020 08:53	WG1583807
Endosulfan II	U		0.00426	0.0254	1	12/01/2020 08:53	WG1583807
Endosulfan sulfate	U		0.00463	0.0254	1	12/01/2020 08:53	WG1583807
Endrin	U		0.00445	0.0254	1	12/01/2020 08:53	WG1583807
Endrin aldehyde	U		0.00431	0.0254	1	12/01/2020 08:53	WG1583807
Endrin ketone	U		0.00904	0.0254	1	12/01/2020 08:53	WG1583807
Heptachlor	U		0.00544	0.0254	1	12/01/2020 08:53	WG1583807
Heptachlor epoxide	U		0.00431	0.0254	1	12/01/2020 08:53	WG1583807
Hexachlorobenzene	U		0.00440	0.0254	1	12/01/2020 08:53	WG1583807
Methoxychlor	U		0.00615	0.0254	1	12/01/2020 08:53	WG1583807
Chlordane	U		0.131	0.381	1	12/01/2020 08:53	WG1583807
Toxaphene	U		0.158	0.508	1	12/01/2020 08:53	WG1583807
(S) Decachlorobiphenyl	*82.8*			*10.0-135*		*12/01/2020 08:53*	WG1583807
(S) Tetrachloro-m-xylene	*80.0*			*10.0-139*		*12/01/2020 08:53*	WG1583807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.3		1	11/30/2020 06:48	WG1582985

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.57		0.108	1.08	5	11/25/2020 11:49	WG1582050
Lead	22.4		0.107	2.17	5	11/25/2020 11:49	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00407	0.0217	1	12/02/2020 10:03	WG1583809
Alpha BHC	U		0.00399	0.0217	1	12/02/2020 10:03	WG1583809
Beta BHC	U		0.00410	0.0217	1	12/02/2020 10:03	WG1583809
Delta BHC	U		0.00375	0.0217	1	12/02/2020 10:03	WG1583809
Gamma BHC	U		0.00373	0.0217	1	12/02/2020 10:03	WG1583809
4,4-DDD	0.00602	J	0.00401	0.0217	1	12/02/2020 10:03	WG1583809
4,4-DDE	0.0968		0.00396	0.0217	1	12/02/2020 10:03	WG1583809
4,4-DDT	0.0644		0.00679	0.0217	1	12/02/2020 10:03	WG1583809
Dieldrin	U		0.00373	0.0217	1	12/02/2020 10:03	WG1583809
Endosulfan I	U		0.00393	0.0217	1	12/02/2020 10:03	WG1583809
Endosulfan II	U		0.00363	0.0217	1	12/02/2020 10:03	WG1583809
Endosulfan sulfate	U		0.00394	0.0217	1	12/02/2020 10:03	WG1583809
Endrin	U		0.00379	0.0217	1	12/02/2020 10:03	WG1583809
Endrin aldehyde	U		0.00367	0.0217	1	12/02/2020 10:03	WG1583809
Endrin ketone	U		0.00770	0.0217	1	12/02/2020 10:03	WG1583809
Heptachlor	U		0.00464	0.0217	1	12/02/2020 10:03	WG1583809
Heptachlor epoxide	U		0.00367	0.0217	1	12/02/2020 10:03	WG1583809
Hexachlorobenzene	U		0.00375	0.0217	1	12/02/2020 10:03	WG1583809
Methoxychlor	U		0.00524	0.0217	1	12/02/2020 10:03	WG1583809
Chlordane	U		0.112	0.325	1	12/02/2020 10:03	WG1583809
Toxaphene	U		0.134	0.433	1	12/02/2020 10:03	WG1583809
(S) Decachlorobiphenyl	*80.1*			*10.0-135*		*12/02/2020 10:03*	WG1583809
(S) Tetrachloro-m-xylene	*68.3*			*10.0-139*		*12/02/2020 10:03*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0128	0.0368	1	12/02/2020 05:30	WG1583809
PCB 1221	U		0.0128	0.0368	1	12/02/2020 05:30	WG1583809
PCB 1232	U		0.0128	0.0368	1	12/02/2020 05:30	WG1583809
PCB 1242	U		0.0128	0.0368	1	12/02/2020 05:30	WG1583809
PCB 1248	U		0.00799	0.0184	1	12/02/2020 05:30	WG1583809
PCB 1254	U		0.00799	0.0184	1	12/02/2020 05:30	WG1583809
PCB 1260	U		0.00799	0.0184	1	12/02/2020 05:30	WG1583809
(S) Decachlorobiphenyl	*77.5*			*10.0-135*		*12/02/2020 05:30*	WG1583809
(S) Tetrachloro-m-xylene	*89.6*			*10.0-139*		*12/02/2020 05:30*	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.5		1	11/30/2020 06:48	WG1582985

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00430	0.0229	1	12/01/2020 05:18	WG1583810
Alpha BHC	U		0.00421	0.0229	1	12/01/2020 05:18	WG1583810
Beta BHC	U		0.00433	0.0229	1	12/01/2020 05:18	WG1583810
Delta BHC	U		0.00395	0.0229	1	12/01/2020 05:18	WG1583810
Gamma BHC	U		0.00393	0.0229	1	12/01/2020 05:18	WG1583810
4,4-DDD	U		0.00423	0.0229	1	12/01/2020 05:18	WG1583810
4,4-DDE	U		0.00418	0.0229	1	12/01/2020 05:18	WG1583810
4,4-DDT	U		0.00717	0.0229	1	12/01/2020 05:18	WG1583810
Dieldrin	U		0.00393	0.0229	1	12/01/2020 05:18	WG1583810
Endosulfan I	U		0.00415	0.0229	1	12/01/2020 05:18	WG1583810
Endosulfan II	U		0.00383	0.0229	1	12/01/2020 05:18	WG1583810
Endosulfan sulfate	U		0.00416	0.0229	1	12/01/2020 05:18	WG1583810
Endrin	U		0.00400	0.0229	1	12/01/2020 05:18	WG1583810
Endrin aldehyde	U		0.00387	0.0229	1	12/01/2020 05:18	WG1583810
Endrin ketone	U		0.00813	0.0229	1	12/01/2020 05:18	WG1583810
Heptachlor	U		0.00489	0.0229	1	12/01/2020 05:18	WG1583810
Heptachlor epoxide	U		0.00387	0.0229	1	12/01/2020 05:18	WG1583810
Hexachlorobenzene	U		0.00395	0.0229	1	12/01/2020 05:18	WG1583810
Methoxychlor	U		0.00553	0.0229	1	12/01/2020 05:18	WG1583810
Chlordane	U		0.118	0.343	1	12/01/2020 05:18	WG1583810
Toxaphene	U		0.142	0.457	1	12/01/2020 05:18	WG1583810
(S) Decachlorobiphenyl	*79.7*			*10.0-135*		*12/01/2020 05:18*	WG1583810
(S) Tetrachloro-m-xylene	*94.8*			*10.0-139*		*12/01/2020 05:18*	WG1583810

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.4		1	11/27/2020 19:56	WG1582986

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.12		0.129	1.29	5	11/25/2020 11:52	WG1582050
Lead	23.8		0.128	2.59	5	11/25/2020 11:52	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00486	0.0259	1	12/02/2020 10:16	WG1583809
Alpha BHC	U		0.00476	0.0259	1	12/02/2020 10:16	WG1583809
Beta BHC	U		0.00490	0.0259	1	12/02/2020 10:16	WG1583809
Delta BHC	U		0.00447	0.0259	1	12/02/2020 10:16	WG1583809
Gamma BHC	U		0.00445	0.0259	1	12/02/2020 10:16	WG1583809
4,4-DDD	U		0.00478	0.0259	1	12/02/2020 10:16	WG1583809
4,4-DDE	0.0141	J	0.00473	0.0259	1	12/02/2020 10:16	WG1583809
4,4-DDT	U		0.00810	0.0259	1	12/02/2020 10:16	WG1583809
Dieldrin	U		0.00445	0.0259	1	12/02/2020 10:16	WG1583809
Endosulfan I	U		0.00469	0.0259	1	12/02/2020 10:16	WG1583809
Endosulfan II	U		0.00433	0.0259	1	12/02/2020 10:16	WG1583809
Endosulfan sulfate	U		0.00470	0.0259	1	12/02/2020 10:16	WG1583809
Endrin	U		0.00452	0.0259	1	12/02/2020 10:16	WG1583809
Endrin aldehyde	U		0.00438	0.0259	1	12/02/2020 10:16	WG1583809
Endrin ketone	U		0.00919	0.0259	1	12/02/2020 10:16	WG1583809
Heptachlor	U		0.00553	0.0259	1	12/02/2020 10:16	WG1583809
Heptachlor epoxide	U		0.00438	0.0259	1	12/02/2020 10:16	WG1583809
Hexachlorobenzene	U		0.00447	0.0259	1	12/02/2020 10:16	WG1583809
Methoxychlor	U		0.00626	0.0259	1	12/02/2020 10:16	WG1583809
Chlordane	U		0.133	0.388	1	12/02/2020 10:16	WG1583809
Toxaphene	U		0.160	0.517	1	12/02/2020 10:16	WG1583809
(S) Decachlorobiphenyl	*72.4*			*10.0-135*		*12/02/2020 10:16*	WG1583809
(S) Tetrachloro-m-xylene	*66.0*			*10.0-139*		*12/02/2020 10:16*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0153	0.0439	1	12/02/2020 05:41	WG1583809
PCB 1221	U		0.0153	0.0439	1	12/02/2020 05:41	WG1583809
PCB 1232	U		0.0153	0.0439	1	12/02/2020 05:41	WG1583809
PCB 1242	U		0.0153	0.0439	1	12/02/2020 05:41	WG1583809
PCB 1248	U		0.00954	0.0220	1	12/02/2020 05:41	WG1583809
PCB 1254	U		0.00954	0.0220	1	12/02/2020 05:41	WG1583809
PCB 1260	U		0.00954	0.0220	1	12/02/2020 05:41	WG1583809
(S) Decachlorobiphenyl	*70.8*			*10.0-135*		*12/02/2020 05:41*	WG1583809
(S) Tetrachloro-m-xylene	*83.5*			*10.0-139*		*12/02/2020 05:41*	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	11/27/2020 19:56	WG1582986

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00435	0.0232	1	12/01/2020 05:33	WG1583810
Alpha BHC	U		0.00426	0.0232	1	12/01/2020 05:33	WG1583810
Beta BHC	U		0.00439	0.0232	1	12/01/2020 05:33	WG1583810
Delta BHC	U		0.00401	0.0232	1	12/01/2020 05:33	WG1583810
Gamma BHC	U		0.00398	0.0232	1	12/01/2020 05:33	WG1583810
4,4-DDD	U		0.00428	0.0232	1	12/01/2020 05:33	WG1583810
4,4-DDE	0.0351		0.00424	0.0232	1	12/01/2020 05:33	WG1583810
4,4-DDT	0.0112	J	0.00726	0.0232	1	12/01/2020 05:33	WG1583810
Dieldrin	U		0.00398	0.0232	1	12/01/2020 05:33	WG1583810
Endosulfan I	U		0.00420	0.0232	1	12/01/2020 05:33	WG1583810
Endosulfan II	U		0.00388	0.0232	1	12/01/2020 05:33	WG1583810
Endosulfan sulfate	U		0.00422	0.0232	1	12/01/2020 05:33	WG1583810
Endrin	U		0.00405	0.0232	1	12/01/2020 05:33	WG1583810
Endrin aldehyde	U		0.00393	0.0232	1	12/01/2020 05:33	WG1583810
Endrin ketone	U		0.00823	0.0232	1	12/01/2020 05:33	WG1583810
Heptachlor	U		0.00496	0.0232	1	12/01/2020 05:33	WG1583810
Heptachlor epoxide	U		0.00393	0.0232	1	12/01/2020 05:33	WG1583810
Hexachlorobenzene	U		0.00401	0.0232	1	12/01/2020 05:33	WG1583810
Methoxychlor	U		0.00560	0.0232	1	12/01/2020 05:33	WG1583810
Chlordane	U		0.119	0.347	1	12/01/2020 05:33	WG1583810
Toxaphene	U		0.144	0.463	1	12/01/2020 05:33	WG1583810
(S) Decachlorobiphenyl	*76.3*			*10.0-135*		*12/01/2020 05:33*	WG1583810
(S) Tetrachloro-m-xylene	*94.3*			*10.0-139*		*12/01/2020 05:33*	WG1583810

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	11/27/2020 19:56	WG1582986

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.26		0.106	1.06	5	11/25/2020 11:56	WG1582050
Lead	18.8		0.105	2.13	5	11/25/2020 11:56	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00400	0.0213	1	12/02/2020 10:28	WG1583809
Alpha BHC	U		0.00392	0.0213	1	12/02/2020 10:28	WG1583809
Beta BHC	U		0.00403	0.0213	1	12/02/2020 10:28	WG1583809
Delta BHC	U		0.00368	0.0213	1	12/02/2020 10:28	WG1583809
Gamma BHC	U		0.00366	0.0213	1	12/02/2020 10:28	WG1583809
4,4-DDD	0.00627	J	0.00394	0.0213	1	12/02/2020 10:28	WG1583809
4,4-DDE	0.0988		0.00389	0.0213	1	12/02/2020 10:28	WG1583809
4,4-DDT	0.0618		0.00667	0.0213	1	12/02/2020 10:28	WG1583809
Dieldrin	U		0.00366	0.0213	1	12/02/2020 10:28	WG1583809
Endosulfan I	U		0.00386	0.0213	1	12/02/2020 10:28	WG1583809
Endosulfan II	U		0.00356	0.0213	1	12/02/2020 10:28	WG1583809
Endosulfan sulfate	U		0.00387	0.0213	1	12/02/2020 10:28	WG1583809
Endrin	U		0.00372	0.0213	1	12/02/2020 10:28	WG1583809
Endrin aldehyde	U		0.00361	0.0213	1	12/02/2020 10:28	WG1583809
Endrin ketone	U		0.00756	0.0213	1	12/02/2020 10:28	WG1583809
Heptachlor	U		0.00455	0.0213	1	12/02/2020 10:28	WG1583809
Heptachlor epoxide	U		0.00361	0.0213	1	12/02/2020 10:28	WG1583809
Hexachlorobenzene	U		0.00368	0.0213	1	12/02/2020 10:28	WG1583809
Methoxychlor	U		0.00515	0.0213	1	12/02/2020 10:28	WG1583809
Chlordane	U		0.110	0.319	1	12/02/2020 10:28	WG1583809
Toxaphene	U		0.132	0.426	1	12/02/2020 10:28	WG1583809
(S) Decachlorobiphenyl	*73.8*			*10.0-135*		*12/02/2020 10:28*	WG1583809
(S) Tetrachloro-m-xylene	*70.1*			*10.0-139*		*12/02/2020 10:28*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0126	0.0362	1	12/02/2020 05:52	WG1583809
PCB 1221	U		0.0126	0.0362	1	12/02/2020 05:52	WG1583809
PCB 1232	U		0.0126	0.0362	1	12/02/2020 05:52	WG1583809
PCB 1242	U		0.0126	0.0362	1	12/02/2020 05:52	WG1583809
PCB 1248	U		0.00785	0.0181	1	12/02/2020 05:52	WG1583809
PCB 1254	U		0.00785	0.0181	1	12/02/2020 05:52	WG1583809
PCB 1260	U		0.00785	0.0181	1	12/02/2020 05:52	WG1583809
(S) Decachlorobiphenyl	*79.8*			*10.0-135*		*12/02/2020 05:52*	WG1583809
(S) Tetrachloro-m-xylene	*92.6*			*10.0-139*		*12/02/2020 05:52*	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.2		1	11/27/2020 19:56	WG1582986

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00417	0.0222	1	12/01/2020 06:09	WG1583810
Alpha BHC	U		0.00408	0.0222	1	12/01/2020 06:09	WG1583810
Beta BHC	U		0.00420	0.0222	1	12/01/2020 06:09	WG1583810
Delta BHC	U		0.00384	0.0222	1	12/01/2020 06:09	WG1583810
Gamma BHC	U		0.00381	0.0222	1	12/01/2020 06:09	WG1583810
4,4-DDD	U		0.00410	0.0222	1	12/01/2020 06:09	WG1583810
4,4-DDE	U		0.00406	0.0222	1	12/01/2020 06:09	WG1583810
4,4-DDT	U		0.00695	0.0222	1	12/01/2020 06:09	WG1583810
Dieldrin	U		0.00381	0.0222	1	12/01/2020 06:09	WG1583810
Endosulfan I	U		0.00402	0.0222	1	12/01/2020 06:09	WG1583810
Endosulfan II	U		0.00371	0.0222	1	12/01/2020 06:09	WG1583810
Endosulfan sulfate	U		0.00404	0.0222	1	12/01/2020 06:09	WG1583810
Endrin	U		0.00388	0.0222	1	12/01/2020 06:09	WG1583810
Endrin aldehyde	U		0.00376	0.0222	1	12/01/2020 06:09	WG1583810
Endrin ketone	U		0.00788	0.0222	1	12/01/2020 06:09	WG1583810
Heptachlor	U		0.00474	0.0222	1	12/01/2020 06:09	WG1583810
Heptachlor epoxide	U		0.00376	0.0222	1	12/01/2020 06:09	WG1583810
Hexachlorobenzene	U		0.00384	0.0222	1	12/01/2020 06:09	WG1583810
Methoxychlor	U		0.00537	0.0222	1	12/01/2020 06:09	WG1583810
Chlordane	U		0.114	0.333	1	12/01/2020 06:09	WG1583810
Toxaphene	U		0.137	0.443	1	12/01/2020 06:09	WG1583810
(S) Decachlorobiphenyl	*74.4*			*10.0-135*		*12/01/2020 06:09*	WG1583810
(S) Tetrachloro-m-xylene	*88.5*			*10.0-139*		*12/01/2020 06:09*	WG1583810

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.7		1	11/27/2020 19:56	WG1582986

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.47		0.105	1.05	5	11/25/2020 11:59	WG1582050
Lead	20.4		0.103	2.09	5	11/25/2020 11:59	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00393	0.0209	1	12/02/2020 10:40	WG1583809
Alpha BHC	U		0.00385	0.0209	1	12/02/2020 10:40	WG1583809
Beta BHC	U		0.00396	0.0209	1	12/02/2020 10:40	WG1583809
Delta BHC	U		0.00362	0.0209	1	12/02/2020 10:40	WG1583809
Gamma BHC	U		0.00360	0.0209	1	12/02/2020 10:40	WG1583809
4,4-DDD	0.00799	J	0.00387	0.0209	1	12/02/2020 10:40	WG1583809
4,4-DDE	0.0867		0.00383	0.0209	1	12/02/2020 10:40	WG1583809
4,4-DDT	0.0416		0.00655	0.0209	1	12/02/2020 10:40	WG1583809
Dieldrin	U		0.00360	0.0209	1	12/02/2020 10:40	WG1583809
Endosulfan I	U		0.00379	0.0209	1	12/02/2020 10:40	WG1583809
Endosulfan II	U		0.00350	0.0209	1	12/02/2020 10:40	WG1583809
Endosulfan sulfate	U		0.00381	0.0209	1	12/02/2020 10:40	WG1583809
Endrin	U		0.00366	0.0209	1	12/02/2020 10:40	WG1583809
Endrin aldehyde	U		0.00354	0.0209	1	12/02/2020 10:40	WG1583809
Endrin ketone	U		0.00743	0.0209	1	12/02/2020 10:40	WG1583809
Heptachlor	U		0.00447	0.0209	1	12/02/2020 10:40	WG1583809
Heptachlor epoxide	U		0.00354	0.0209	1	12/02/2020 10:40	WG1583809
Hexachlorobenzene	U		0.00362	0.0209	1	12/02/2020 10:40	WG1583809
Methoxychlor	U		0.00506	0.0209	1	12/02/2020 10:40	WG1583809
Chlordane	0.292	J	0.108	0.314	1	12/02/2020 10:40	WG1583809
Toxaphene	U		0.130	0.418	1	12/02/2020 10:40	WG1583809
(S) Decachlorobiphenyl	*79.8*			*10.0-135*		*12/02/2020 10:40*	WG1583809
(S) Tetrachloro-m-xylene	*74.1*			*10.0-139*		*12/02/2020 10:40*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0123	0.0355	1	12/02/2020 06:03	WG1583809
PCB 1221	U		0.0123	0.0355	1	12/02/2020 06:03	WG1583809
PCB 1232	U		0.0123	0.0355	1	12/02/2020 06:03	WG1583809
PCB 1242	U		0.0123	0.0355	1	12/02/2020 06:03	WG1583809
PCB 1248	U		0.00772	0.0178	1	12/02/2020 06:03	WG1583809
PCB 1254	U		0.00772	0.0178	1	12/02/2020 06:03	WG1583809
PCB 1260	U		0.00772	0.0178	1	12/02/2020 06:03	WG1583809
(S) Decachlorobiphenyl	*77.4*			*10.0-135*		*12/02/2020 06:03*	WG1583809
(S) Tetrachloro-m-xylene	*90.6*			*10.0-139*		*12/02/2020 06:03*	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	11/27/2020 19:56	WG1582986

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00436	0.0232	1	12/01/2020 06:24	WG1583810
Alpha BHC	U		0.00426	0.0232	1	12/01/2020 06:24	WG1583810
Beta BHC	U		0.00439	0.0232	1	12/01/2020 06:24	WG1583810
Delta BHC	U		0.00401	0.0232	1	12/01/2020 06:24	WG1583810
Gamma BHC	U		0.00398	0.0232	1	12/01/2020 06:24	WG1583810
4,4-DDD	U		0.00429	0.0232	1	12/01/2020 06:24	WG1583810
4,4-DDE	U		0.00424	0.0232	1	12/01/2020 06:24	WG1583810
4,4-DDT	U		0.00726	0.0232	1	12/01/2020 06:24	WG1583810
Dieldrin	U		0.00398	0.0232	1	12/01/2020 06:24	WG1583810
Endosulfan I	U		0.00420	0.0232	1	12/01/2020 06:24	WG1583810
Endosulfan II	U		0.00388	0.0232	1	12/01/2020 06:24	WG1583810
Endosulfan sulfate	U		0.00422	0.0232	1	12/01/2020 06:24	WG1583810
Endrin	U		0.00405	0.0232	1	12/01/2020 06:24	WG1583810
Endrin aldehyde	U		0.00393	0.0232	1	12/01/2020 06:24	WG1583810
Endrin ketone	U		0.00824	0.0232	1	12/01/2020 06:24	WG1583810
Heptachlor	U		0.00496	0.0232	1	12/01/2020 06:24	WG1583810
Heptachlor epoxide	U		0.00393	0.0232	1	12/01/2020 06:24	WG1583810
Hexachlorobenzene	U		0.00401	0.0232	1	12/01/2020 06:24	WG1583810
Methoxychlor	U		0.00561	0.0232	1	12/01/2020 06:24	WG1583810
Chlordane	U		0.119	0.348	1	12/01/2020 06:24	WG1583810
Toxaphene	U		0.144	0.463	1	12/01/2020 06:24	WG1583810
(S) Decachlorobiphenyl	*74.5*			*10.0-135*		*12/01/2020 06:24*	WG1583810
(S) Tetrachloro-m-xylene	*89.4*			*10.0-139*		*12/01/2020 06:24*	WG1583810

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.8		1	11/27/2020 19:56	WG1582986

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.48		0.111	1.11	5	11/25/2020 12:02	WG1582050
Lead	17.2		0.110	2.23	5	11/25/2020 12:02	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00419	0.0223	1	12/02/2020 10:53	WG1583809
Alpha BHC	U		0.00410	0.0223	1	12/02/2020 10:53	WG1583809
Beta BHC	U		0.00422	0.0223	1	12/02/2020 10:53	WG1583809
Delta BHC	U		0.00386	0.0223	1	12/02/2020 10:53	WG1583809
Gamma BHC	U		0.00383	0.0223	1	12/02/2020 10:53	WG1583809
4,4-DDD	0.00627	J	0.00412	0.0223	1	12/02/2020 10:53	WG1583809
4,4-DDE	0.0577		0.00408	0.0223	1	12/02/2020 10:53	WG1583809
4,4-DDT	0.0224		0.00699	0.0223	1	12/02/2020 10:53	WG1583809
Dieldrin	U		0.00383	0.0223	1	12/02/2020 10:53	WG1583809
Endosulfan I	U		0.00404	0.0223	1	12/02/2020 10:53	WG1583809
Endosulfan II	U		0.00373	0.0223	1	12/02/2020 10:53	WG1583809
Endosulfan sulfate	U		0.00406	0.0223	1	12/02/2020 10:53	WG1583809
Endrin	U		0.00390	0.0223	1	12/02/2020 10:53	WG1583809
Endrin aldehyde	U		0.00378	0.0223	1	12/02/2020 10:53	WG1583809
Endrin ketone	U		0.00792	0.0223	1	12/02/2020 10:53	WG1583809
Heptachlor	U		0.00477	0.0223	1	12/02/2020 10:53	WG1583809
Heptachlor epoxide	U		0.00378	0.0223	1	12/02/2020 10:53	WG1583809
Hexachlorobenzene	U		0.00386	0.0223	1	12/02/2020 10:53	WG1583809
Methoxychlor	U		0.00539	0.0223	1	12/02/2020 10:53	WG1583809
Chlordane	0.243	J	0.115	0.334	1	12/02/2020 10:53	WG1583809
Toxaphene	U		0.138	0.446	1	12/02/2020 10:53	WG1583809
(S) Decachlorobiphenyl	*75.4*			*10.0-135*		*12/02/2020 10:53*	WG1583809
(S) Tetrachloro-m-xylene	*74.6*			*10.0-139*		*12/02/2020 10:53*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0131	0.0379	1	12/02/2020 06:15	WG1583809
PCB 1221	U		0.0131	0.0379	1	12/02/2020 06:15	WG1583809
PCB 1232	U		0.0131	0.0379	1	12/02/2020 06:15	WG1583809
PCB 1242	U		0.0131	0.0379	1	12/02/2020 06:15	WG1583809
PCB 1248	U		0.00822	0.0189	1	12/02/2020 06:15	WG1583809
PCB 1254	U		0.00822	0.0189	1	12/02/2020 06:15	WG1583809
PCB 1260	U		0.00822	0.0189	1	12/02/2020 06:15	WG1583809
(S) Decachlorobiphenyl	*73.8*			*10.0-135*		*12/02/2020 06:15*	WG1583809
(S) Tetrachloro-m-xylene	*88.1*			*10.0-139*		*12/02/2020 06:15*	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.9		1	11/27/2020 19:56	WG1582986

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.38		0.112	1.12	5	11/25/2020 12:06	WG1582050
Lead	13.0		0.111	2.25	5	11/25/2020 12:06	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00423	0.0225	1	12/02/2020 11:05	WG1583809
Alpha BHC	U		0.00414	0.0225	1	12/02/2020 11:05	WG1583809
Beta BHC	U		0.00426	0.0225	1	12/02/2020 11:05	WG1583809
Delta BHC	U		0.00389	0.0225	1	12/02/2020 11:05	WG1583809
Gamma BHC	U		0.00387	0.0225	1	12/02/2020 11:05	WG1583809
4,4-DDD	U		0.00416	0.0225	1	12/02/2020 11:05	WG1583809
4,4-DDE	0.0262		0.00411	0.0225	1	12/02/2020 11:05	WG1583809
4,4-DDT	0.0354		0.00705	0.0225	1	12/02/2020 11:05	WG1583809
Dieldrin	U		0.00387	0.0225	1	12/02/2020 11:05	WG1583809
Endosulfan I	U		0.00408	0.0225	1	12/02/2020 11:05	WG1583809
Endosulfan II	U		0.00377	0.0225	1	12/02/2020 11:05	WG1583809
Endosulfan sulfate	U		0.00409	0.0225	1	12/02/2020 11:05	WG1583809
Endrin	U		0.00393	0.0225	1	12/02/2020 11:05	WG1583809
Endrin aldehyde	U		0.00381	0.0225	1	12/02/2020 11:05	WG1583809
Endrin ketone	U		0.00799	0.0225	1	12/02/2020 11:05	WG1583809
Heptachlor	U		0.00481	0.0225	1	12/02/2020 11:05	WG1583809
Heptachlor epoxide	U		0.00381	0.0225	1	12/02/2020 11:05	WG1583809
Hexachlorobenzene	U		0.00389	0.0225	1	12/02/2020 11:05	WG1583809
Methoxychlor	U		0.00544	0.0225	1	12/02/2020 11:05	WG1583809
Chlordane	U		0.116	0.337	1	12/02/2020 11:05	WG1583809
Toxaphene	U		0.139	0.450	1	12/02/2020 11:05	WG1583809
(S) Decachlorobiphenyl	*72.1*			*10.0-135*		*12/02/2020 11:05*	WG1583809
(S) Tetrachloro-m-xylene	*66.9*			*10.0-139*		*12/02/2020 11:05*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0133	0.0382	1	12/02/2020 06:26	WG1583809
PCB 1221	U		0.0133	0.0382	1	12/02/2020 06:26	WG1583809
PCB 1232	U		0.0133	0.0382	1	12/02/2020 06:26	WG1583809
PCB 1242	U		0.0133	0.0382	1	12/02/2020 06:26	WG1583809
PCB 1248	U		0.00830	0.0191	1	12/02/2020 06:26	WG1583809
PCB 1254	0.402		0.00830	0.0191	1	12/02/2020 06:26	WG1583809
PCB 1260	U		0.00830	0.0191	1	12/02/2020 06:26	WG1583809
(S) Decachlorobiphenyl	*73.3*			*10.0-135*		*12/02/2020 06:26*	WG1583809
(S) Tetrachloro-m-xylene	*86.3*			*10.0-139*		*12/02/2020 06:26*	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.9		1	11/27/2020 19:56	WG1582986

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.54		0.122	1.22	5	11/25/2020 12:16	WG1582050
Lead	12.2		0.121	2.44	5	11/25/2020 12:16	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00459	0.0244	1	12/02/2020 11:17	WG1583809
Alpha BHC	U		0.00449	0.0244	1	12/02/2020 11:17	WG1583809
Beta BHC	U		0.00463	0.0244	1	12/02/2020 11:17	WG1583809
Delta BHC	U		0.00423	0.0244	1	12/02/2020 11:17	WG1583809
Gamma BHC	U		0.00420	0.0244	1	12/02/2020 11:17	WG1583809
4,4-DDD	U		0.00452	0.0244	1	12/02/2020 11:17	WG1583809
4,4-DDE	0.0112	J	0.00447	0.0244	1	12/02/2020 11:17	WG1583809
4,4-DDT	0.0162	J	0.00766	0.0244	1	12/02/2020 11:17	WG1583809
Dieldrin	U		0.00420	0.0244	1	12/02/2020 11:17	WG1583809
Endosulfan I	U		0.00443	0.0244	1	12/02/2020 11:17	WG1583809
Endosulfan II	U		0.00409	0.0244	1	12/02/2020 11:17	WG1583809
Endosulfan sulfate	U		0.00444	0.0244	1	12/02/2020 11:17	WG1583809
Endrin	U		0.00427	0.0244	1	12/02/2020 11:17	WG1583809
Endrin aldehyde	U		0.00414	0.0244	1	12/02/2020 11:17	WG1583809
Endrin ketone	U		0.00868	0.0244	1	12/02/2020 11:17	WG1583809
Heptachlor	U		0.00523	0.0244	1	12/02/2020 11:17	WG1583809
Heptachlor epoxide	U		0.00414	0.0244	1	12/02/2020 11:17	WG1583809
Hexachlorobenzene	U		0.00423	0.0244	1	12/02/2020 11:17	WG1583809
Methoxychlor	U		0.00591	0.0244	1	12/02/2020 11:17	WG1583809
Chlordane	U		0.126	0.366	1	12/02/2020 11:17	WG1583809
Toxaphene	U		0.151	0.488	1	12/02/2020 11:17	WG1583809
(S) Decachlorobiphenyl	*62.1*			*10.0-135*		*12/02/2020 11:17*	WG1583809
(S) Tetrachloro-m-xylene	*62.9*			*10.0-139*		*12/02/2020 11:17*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0144	0.0415	1	12/02/2020 06:37	WG1583809
PCB 1221	U		0.0144	0.0415	1	12/02/2020 06:37	WG1583809
PCB 1232	U		0.0144	0.0415	1	12/02/2020 06:37	WG1583809
PCB 1242	U		0.0144	0.0415	1	12/02/2020 06:37	WG1583809
PCB 1248	U		0.00901	0.0208	1	12/02/2020 06:37	WG1583809
PCB 1254	0.180		0.00901	0.0208	1	12/02/2020 06:37	WG1583809
PCB 1260	U		0.00901	0.0208	1	12/02/2020 06:37	WG1583809
(S) Decachlorobiphenyl	*59.0*			*10.0-135*		*12/02/2020 06:37*	WG1583809
(S) Tetrachloro-m-xylene	*76.6*			*10.0-139*		*12/02/2020 06:37*	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.0		1	11/27/2020 19:56	WG1582986

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00453	0.0241	1	12/01/2020 06:38	WG1583810
Alpha BHC	U		0.00444	0.0241	1	12/01/2020 06:38	WG1583810
Beta BHC	U		0.00457	0.0241	1	12/01/2020 06:38	WG1583810
Delta BHC	U		0.00417	0.0241	1	12/01/2020 06:38	WG1583810
Gamma BHC	U		0.00415	0.0241	1	12/01/2020 06:38	WG1583810
4,4-DDD	U		0.00446	0.0241	1	12/01/2020 06:38	WG1583810
4,4-DDE	U		0.00441	0.0241	1	12/01/2020 06:38	WG1583810
4,4-DDT	U		0.00756	0.0241	1	12/01/2020 06:38	WG1583810
Dieldrin	U		0.00415	0.0241	1	12/01/2020 06:38	WG1583810
Endosulfan I	U		0.00437	0.0241	1	12/01/2020 06:38	WG1583810
Endosulfan II	U		0.00404	0.0241	1	12/01/2020 06:38	WG1583810
Endosulfan sulfate	U		0.00439	0.0241	1	12/01/2020 06:38	WG1583810
Endrin	U		0.00422	0.0241	1	12/01/2020 06:38	WG1583810
Endrin aldehyde	U		0.00409	0.0241	1	12/01/2020 06:38	WG1583810
Endrin ketone	U		0.00857	0.0241	1	12/01/2020 06:38	WG1583810
Heptachlor	U		0.00516	0.0241	1	12/01/2020 06:38	WG1583810
Heptachlor epoxide	U		0.00409	0.0241	1	12/01/2020 06:38	WG1583810
Hexachlorobenzene	U		0.00417	0.0241	1	12/01/2020 06:38	WG1583810
Methoxychlor	U		0.00583	0.0241	1	12/01/2020 06:38	WG1583810
Chlordane	U		0.124	0.362	1	12/01/2020 06:38	WG1583810
Toxaphene	U		0.149	0.482	1	12/01/2020 06:38	WG1583810
(S) Decachlorobiphenyl	*46.9*			*10.0-135*		*12/01/2020 06:38*	WG1583810
(S) Tetrachloro-m-xylene	*68.2*			*10.0-139*		*12/01/2020 06:38*	WG1583810

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.1		1	11/30/2020 07:22	WG1582987

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.50		0.105	1.05	5	11/25/2020 12:20	WG1582050
Lead	15.1		0.104	2.10	5	11/25/2020 12:20	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00395	0.0210	1	12/02/2020 11:30	WG1583809
Alpha BHC	U		0.00387	0.0210	1	12/02/2020 11:30	WG1583809
Beta BHC	U		0.00399	0.0210	1	12/02/2020 11:30	WG1583809
Delta BHC	U		0.00364	0.0210	1	12/02/2020 11:30	WG1583809
Gamma BHC	U		0.00362	0.0210	1	12/02/2020 11:30	WG1583809
4,4-DDD	U		0.00389	0.0210	1	12/02/2020 11:30	WG1583809
4,4-DDE	0.0189	J	0.00385	0.0210	1	12/02/2020 11:30	WG1583809
4,4-DDT	0.0412		0.00659	0.0210	1	12/02/2020 11:30	WG1583809
Dieldrin	U		0.00362	0.0210	1	12/02/2020 11:30	WG1583809
Endosulfan I	U		0.00382	0.0210	1	12/02/2020 11:30	WG1583809
Endosulfan II	U		0.00352	0.0210	1	12/02/2020 11:30	WG1583809
Endosulfan sulfate	U		0.00383	0.0210	1	12/02/2020 11:30	WG1583809
Endrin	U		0.00368	0.0210	1	12/02/2020 11:30	WG1583809
Endrin aldehyde	U		0.00356	0.0210	1	12/02/2020 11:30	WG1583809
Endrin ketone	U		0.00748	0.0210	1	12/02/2020 11:30	WG1583809
Heptachlor	U		0.00450	0.0210	1	12/02/2020 11:30	WG1583809
Heptachlor epoxide	U		0.00356	0.0210	1	12/02/2020 11:30	WG1583809
Hexachlorobenzene	U		0.00364	0.0210	1	12/02/2020 11:30	WG1583809
Methoxychlor	U		0.00509	0.0210	1	12/02/2020 11:30	WG1583809
Chlordane	U		0.108	0.315	1	12/02/2020 11:30	WG1583809
Toxaphene	U		0.130	0.421	1	12/02/2020 11:30	WG1583809
(S) Decachlorobiphenyl	*70.1*			*10.0-135*		*12/02/2020 11:30*	WG1583809
(S) Tetrachloro-m-xylene	*62.7*			*10.0-139*		*12/02/2020 11:30*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0124	0.0358	1	12/02/2020 06:49	WG1583809
PCB 1221	U		0.0124	0.0358	1	12/02/2020 06:49	WG1583809
PCB 1232	U		0.0124	0.0358	1	12/02/2020 06:49	WG1583809
PCB 1242	U		0.0124	0.0358	1	12/02/2020 06:49	WG1583809
PCB 1248	U		0.00776	0.0179	1	12/02/2020 06:49	WG1583809
PCB 1254	0.434		0.00776	0.0179	1	12/02/2020 06:49	WG1583809
PCB 1260	U		0.00776	0.0179	1	12/02/2020 06:49	WG1583809
(S) Decachlorobiphenyl	*67.6*			*10.0-135*		*12/02/2020 06:49*	WG1583809
(S) Tetrachloro-m-xylene	*80.5*			*10.0-139*		*12/02/2020 06:49*	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.4		1	11/30/2020 07:22	WG1582987

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00403	0.0214	1	12/01/2020 06:53	WG1583810
Alpha BHC	U		0.00394	0.0214	1	12/01/2020 06:53	WG1583810
Beta BHC	U		0.00406	0.0214	1	12/01/2020 06:53	WG1583810
Delta BHC	U		0.00371	0.0214	1	12/01/2020 06:53	WG1583810
Gamma BHC	U		0.00368	0.0214	1	12/01/2020 06:53	WG1583810
4,4-DDD	U		0.00396	0.0214	1	12/01/2020 06:53	WG1583810
4,4-DDE	U		0.00392	0.0214	1	12/01/2020 06:53	WG1583810
4,4-DDT	U		0.00672	0.0214	1	12/01/2020 06:53	WG1583810
Dieldrin	U		0.00368	0.0214	1	12/01/2020 06:53	WG1583810
Endosulfan I	U		0.00389	0.0214	1	12/01/2020 06:53	WG1583810
Endosulfan II	U		0.00359	0.0214	1	12/01/2020 06:53	WG1583810
Endosulfan sulfate	U		0.00390	0.0214	1	12/01/2020 06:53	WG1583810
Endrin	U		0.00375	0.0214	1	12/01/2020 06:53	WG1583810
Endrin aldehyde	U		0.00363	0.0214	1	12/01/2020 06:53	WG1583810
Endrin ketone	U		0.00762	0.0214	1	12/01/2020 06:53	WG1583810
Heptachlor	U		0.00458	0.0214	1	12/01/2020 06:53	WG1583810
Heptachlor epoxide	U		0.00363	0.0214	1	12/01/2020 06:53	WG1583810
Hexachlorobenzene	U		0.00371	0.0214	1	12/01/2020 06:53	WG1583810
Methoxychlor	U		0.00518	0.0214	1	12/01/2020 06:53	WG1583810
Chlordane	U		0.110	0.321	1	12/01/2020 06:53	WG1583810
Toxaphene	U		0.133	0.428	1	12/01/2020 06:53	WG1583810
(S) Decachlorobiphenyl	*70.9*			*10.0-135*		*12/01/2020 06:53*	WG1583810
(S) Tetrachloro-m-xylene	*85.6*			*10.0-139*		*12/01/2020 06:53*	WG1583810

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.5		1	11/30/2020 07:22	WG1582987

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.98		0.117	1.17	5	11/24/2020 20:51	WG1581866
Lead	123	J5	0.116	2.34	5	11/24/2020 20:51	WG1581866

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00440	0.0234	1	12/02/2020 11:42	WG1583809
Alpha BHC	U		0.00431	0.0234	1	12/02/2020 11:42	WG1583809
Beta BHC	U		0.00443	0.0234	1	12/02/2020 11:42	WG1583809
Delta BHC	U		0.00405	0.0234	1	12/02/2020 11:42	WG1583809
Gamma BHC	U		0.00402	0.0234	1	12/02/2020 11:42	WG1583809
4,4-DDD	0.0414		0.00433	0.0234	1	12/02/2020 11:42	WG1583809
4,4-DDE	0.0447	P	0.00428	0.0234	1	12/02/2020 11:42	WG1583809
4,4-DDT	0.659	P	0.0146	0.0468	2	12/04/2020 12:46	WG1583809
Dieldrin	U		0.00402	0.0234	1	12/02/2020 11:42	WG1583809
Endosulfan I	U		0.00425	0.0234	1	12/02/2020 11:42	WG1583809
Endosulfan II	U		0.00392	0.0234	1	12/02/2020 11:42	WG1583809
Endosulfan sulfate	U		0.00426	0.0234	1	12/02/2020 11:42	WG1583809
Endrin	U		0.00409	0.0234	1	12/02/2020 11:42	WG1583809
Endrin aldehyde	U		0.00397	0.0234	1	12/02/2020 11:42	WG1583809
Endrin ketone	U		0.00832	0.0234	1	12/02/2020 11:42	WG1583809
Heptachlor	U		0.00501	0.0234	1	12/02/2020 11:42	WG1583809
Heptachlor epoxide	U		0.00397	0.0234	1	12/02/2020 11:42	WG1583809
Hexachlorobenzene	U		0.00405	0.0234	1	12/02/2020 11:42	WG1583809
Methoxychlor	U		0.00566	0.0234	1	12/02/2020 11:42	WG1583809
Chlordane	2.07		0.120	0.351	1	12/02/2020 11:42	WG1583809
Toxaphene	U		0.145	0.468	1	12/02/2020 11:42	WG1583809
(S) Decachlorobiphenyl	*101*			*10.0-135*		*12/02/2020 11:42*	WG1583809
(S) Decachlorobiphenyl	*95.6*			*10.0-135*		*12/04/2020 12:46*	WG1583809
(S) Tetrachloro-m-xylene	*67.3*			*10.0-139*		*12/02/2020 11:42*	WG1583809
(S) Tetrachloro-m-xylene	*79.5*			*10.0-139*		*12/04/2020 12:46*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0138	0.0398	1	12/02/2020 07:00	WG1583809
PCB 1221	U		0.0138	0.0398	1	12/02/2020 07:00	WG1583809
PCB 1232	U		0.0138	0.0398	1	12/02/2020 07:00	WG1583809
PCB 1242	U		0.0138	0.0398	1	12/02/2020 07:00	WG1583809
PCB 1248	U		0.00863	0.0199	1	12/02/2020 07:00	WG1583809
PCB 1254	4.08		0.0432	0.0994	5	12/02/2020 12:05	WG1583809
PCB 1260	U		0.00863	0.0199	1	12/02/2020 07:00	WG1583809
(S) Decachlorobiphenyl	*70.9*			*10.0-135*		*12/02/2020 12:05*	WG1583809
(S) Decachlorobiphenyl	*76.3*			*10.0-135*		*12/02/2020 07:00*	WG1583809
(S) Tetrachloro-m-xylene	*73.0*			*10.0-139*		*12/02/2020 12:05*	WG1583809
(S) Tetrachloro-m-xylene	*90.6*			*10.0-139*		*12/02/2020 07:00*	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.9		1	11/30/2020 07:22	WG1582987

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.62		0.125	1.25	5	11/25/2020 12:23	WG1582050
Lead	81.8		0.124	2.50	5	11/25/2020 12:23	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00471	0.0250	1	12/02/2020 11:55	WG1583809
Alpha BHC	U		0.00461	0.0250	1	12/02/2020 11:55	WG1583809
Beta BHC	U		0.00475	0.0250	1	12/02/2020 11:55	WG1583809
Delta BHC	U		0.00433	0.0250	1	12/02/2020 11:55	WG1583809
Gamma BHC	U		0.00431	0.0250	1	12/02/2020 11:55	WG1583809
4,4-DDD	0.0247	J	0.00463	0.0250	1	12/02/2020 11:55	WG1583809
4,4-DDE	0.0592		0.00458	0.0250	1	12/02/2020 11:55	WG1583809
4,4-DDT	0.0642	P	0.00785	0.0250	1	12/02/2020 11:55	WG1583809
Dieldrin	U		0.00431	0.0250	1	12/02/2020 11:55	WG1583809
Endosulfan I	U		0.00455	0.0250	1	12/02/2020 11:55	WG1583809
Endosulfan II	U		0.00419	0.0250	1	12/02/2020 11:55	WG1583809
Endosulfan sulfate	U		0.00456	0.0250	1	12/02/2020 11:55	WG1583809
Endrin	U		0.00438	0.0250	1	12/02/2020 11:55	WG1583809
Endrin aldehyde	U		0.00424	0.0250	1	12/02/2020 11:55	WG1583809
Endrin ketone	U		0.00890	0.0250	1	12/02/2020 11:55	WG1583809
Heptachlor	U		0.00536	0.0250	1	12/02/2020 11:55	WG1583809
Heptachlor epoxide	U		0.00424	0.0250	1	12/02/2020 11:55	WG1583809
Hexachlorobenzene	U		0.00433	0.0250	1	12/02/2020 11:55	WG1583809
Methoxychlor	U		0.00606	0.0250	1	12/02/2020 11:55	WG1583809
Chlordane	U		0.129	0.376	1	12/02/2020 11:55	WG1583809
Toxaphene	U		0.155	0.501	1	12/02/2020 11:55	WG1583809
(S) Decachlorobiphenyl	*53.0*			*10.0-135*		*12/02/2020 11:55*	WG1583809
(S) Tetrachloro-m-xylene	*58.6*			*10.0-139*		*12/02/2020 11:55*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0148	0.0426	1	12/02/2020 07:11	WG1583809
PCB 1221	U		0.0148	0.0426	1	12/02/2020 07:11	WG1583809
PCB 1232	U		0.0148	0.0426	1	12/02/2020 07:11	WG1583809
PCB 1242	U		0.0148	0.0426	1	12/02/2020 07:11	WG1583809
PCB 1248	U		0.00924	0.0213	1	12/02/2020 07:11	WG1583809
PCB 1254	0.443		0.00924	0.0213	1	12/02/2020 07:11	WG1583809
PCB 1260	U		0.00924	0.0213	1	12/02/2020 07:11	WG1583809
(S) Decachlorobiphenyl	*60.1*			*10.0-135*		*12/02/2020 07:11*	WG1583809
(S) Tetrachloro-m-xylene	*68.0*			*10.0-139*		*12/02/2020 07:11*	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.4		1	11/30/2020 07:22	WG1582987

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	5.01		0.111	1.11	5	11/25/2020 12:27	WG1582050
Lead	25.5		0.109	2.21	5	11/25/2020 12:27	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00416	0.0221	1	12/02/2020 12:07	WG1583809
Alpha BHC	U		0.00407	0.0221	1	12/02/2020 12:07	WG1583809
Beta BHC	U		0.00419	0.0221	1	12/02/2020 12:07	WG1583809
Delta BHC	U		0.00383	0.0221	1	12/02/2020 12:07	WG1583809
Gamma BHC	U		0.00380	0.0221	1	12/02/2020 12:07	WG1583809
4,4-DDD	U		0.00409	0.0221	1	12/02/2020 12:07	WG1583809
4,4-DDE	U		0.00405	0.0221	1	12/02/2020 12:07	WG1583809
4,4-DDT	U		0.00693	0.0221	1	12/02/2020 12:07	WG1583809
Dieldrin	U		0.00380	0.0221	1	12/02/2020 12:07	WG1583809
Endosulfan I	U		0.00401	0.0221	1	12/02/2020 12:07	WG1583809
Endosulfan II	U		0.00370	0.0221	1	12/02/2020 12:07	WG1583809
Endosulfan sulfate	U		0.00402	0.0221	1	12/02/2020 12:07	WG1583809
Endrin	U		0.00387	0.0221	1	12/02/2020 12:07	WG1583809
Endrin aldehyde	U		0.00375	0.0221	1	12/02/2020 12:07	WG1583809
Endrin ketone	U		0.00786	0.0221	1	12/02/2020 12:07	WG1583809
Heptachlor	U		0.00473	0.0221	1	12/02/2020 12:07	WG1583809
Heptachlor epoxide	U		0.00375	0.0221	1	12/02/2020 12:07	WG1583809
Hexachlorobenzene	U		0.00383	0.0221	1	12/02/2020 12:07	WG1583809
Methoxychlor	U		0.00535	0.0221	1	12/02/2020 12:07	WG1583809
Chlordane	U		0.114	0.332	1	12/02/2020 12:07	WG1583809
Toxaphene	U		0.137	0.442	1	12/02/2020 12:07	WG1583809
(S) Decachlorobiphenyl	*73.0*			*10.0-135*		*12/02/2020 12:07*	WG1583809
(S) Tetrachloro-m-xylene	*73.3*			*10.0-139*		*12/02/2020 12:07*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0130	0.0376	1	12/02/2020 07:22	WG1583809
PCB 1221	U		0.0130	0.0376	1	12/02/2020 07:22	WG1583809
PCB 1232	U		0.0130	0.0376	1	12/02/2020 07:22	WG1583809
PCB 1242	U		0.0130	0.0376	1	12/02/2020 07:22	WG1583809
PCB 1248	U		0.00816	0.0188	1	12/02/2020 07:22	WG1583809
PCB 1254	U		0.00816	0.0188	1	12/02/2020 07:22	WG1583809
PCB 1260	U		0.00816	0.0188	1	12/02/2020 07:22	WG1583809
(S) Decachlorobiphenyl	*93.0*			*10.0-135*		*12/02/2020 07:22*	WG1583809
(S) Tetrachloro-m-xylene	*86.3*			*10.0-139*		*12/02/2020 07:22*	WG1583809

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.2		1	11/30/2020 07:22	WG1582987

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.81		0.105	1.05	5	11/25/2020 12:30	WG1582050
Lead	39.1		0.104	2.10	5	11/25/2020 12:30	WG1582050

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00395	0.0210	1	12/02/2020 12:19	WG1583809
Alpha BHC	U		0.00386	0.0210	1	12/02/2020 12:19	WG1583809
Beta BHC	U		0.00398	0.0210	1	12/02/2020 12:19	WG1583809
Delta BHC	U		0.00363	0.0210	1	12/02/2020 12:19	WG1583809
Gamma BHC	U		0.00361	0.0210	1	12/02/2020 12:19	WG1583809
4,4-DDD	U		0.00388	0.0210	1	12/02/2020 12:19	WG1583809
4,4-DDE	0.0350		0.00384	0.0210	1	12/02/2020 12:19	WG1583809
4,4-DDT	0.0144	J	0.00658	0.0210	1	12/02/2020 12:19	WG1583809
Dieldrin	U		0.00361	0.0210	1	12/02/2020 12:19	WG1583809
Endosulfan I	U		0.00381	0.0210	1	12/02/2020 12:19	WG1583809
Endosulfan II	U		0.00352	0.0210	1	12/02/2020 12:19	WG1583809
Endosulfan sulfate	U		0.00382	0.0210	1	12/02/2020 12:19	WG1583809
Endrin	U		0.00367	0.0210	1	12/02/2020 12:19	WG1583809
Endrin aldehyde	U		0.00356	0.0210	1	12/02/2020 12:19	WG1583809
Endrin ketone	U		0.00747	0.0210	1	12/02/2020 12:19	WG1583809
Heptachlor	U		0.00449	0.0210	1	12/02/2020 12:19	WG1583809
Heptachlor epoxide	U		0.00356	0.0210	1	12/02/2020 12:19	WG1583809
Hexachlorobenzene	U		0.00363	0.0210	1	12/02/2020 12:19	WG1583809
Methoxychlor	U		0.00508	0.0210	1	12/02/2020 12:19	WG1583809
Chlordane	U		0.108	0.315	1	12/02/2020 12:19	WG1583809
Toxaphene	U		0.130	0.420	1	12/02/2020 12:19	WG1583809
(S) Decachlorobiphenyl	*73.8*			*10.0-135*		*12/02/2020 12:19*	WG1583809
(S) Tetrachloro-m-xylene	*78.7*			*10.0-139*		*12/02/2020 12:19*	WG1583809

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0124	0.0357	1	12/02/2020 07:34	WG1583809
PCB 1221	U		0.0124	0.0357	1	12/02/2020 07:34	WG1583809
PCB 1232	U		0.0124	0.0357	1	12/02/2020 07:34	WG1583809
PCB 1242	U		0.0124	0.0357	1	12/02/2020 07:34	WG1583809
PCB 1248	U		0.00775	0.0178	1	12/02/2020 07:34	WG1583809
PCB 1254	U		0.00775	0.0178	1	12/02/2020 07:34	WG1583809
PCB 1260	U		0.00775	0.0178	1	12/02/2020 07:34	WG1583809
(S) Decachlorobiphenyl	*97.9*			*10.0-135*		*12/02/2020 07:34*	WG1583809
(S) Tetrachloro-m-xylene	*82.5*			*10.0-139*		*12/02/2020 07:34*	WG1583809

Method Blank (MB)

(MB) R3598623-1 11/30/20 09:01

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1288565-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1288565-01 11/30/20 09:01 • (DUP) R3598623-3 11/30/20 09:01

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.3	89.9	1	0.472		10

Laboratory Control Sample (LCS)

(LCS) R3598623-2 11/30/20 09:01

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.2	100	85.0-115	

Method Blank (MB)

(MB) R3598575-1 11/30/20 05:57

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1288565-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1288565-12 11/30/20 05:57 • (DUP) R3598575-3 11/30/20 05:57

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.1	88.6	1	0.479		10

Laboratory Control Sample (LCS)

(LCS) R3598575-2 11/30/20 05:57

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3598580-1 11/30/20 06:25

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1288565-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1288565-23 11/30/20 06:25 • (DUP) R3598580-3 11/30/20 06:25

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.7	94.2	1	0.598		10

Laboratory Control Sample (LCS)

(LCS) R3598580-2 11/30/20 06:25

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3598585-1 11/30/20 06:37

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1288565-34 Original Sample (OS) • Duplicate (DUP)

(OS) L1288565-34 11/30/20 06:37 • (DUP) R3598585-3 11/30/20 06:37

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.1	87.0	1	0.107		10

Laboratory Control Sample (LCS)

(LCS) R3598585-2 11/30/20 06:37

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3598592-1 11/30/20 06:48

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1288565-45 Original Sample (OS) • Duplicate (DUP)

(OS) L1288565-45 11/30/20 06:48 • (DUP) R3598592-3 11/30/20 06:48

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	78.2	77.4	1	1.09		10

Laboratory Control Sample (LCS)

(LCS) R3598592-2 11/30/20 06:48

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3598034-1 11/27/20 19:56

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1288565-56 Original Sample (OS) • Duplicate (DUP)

(OS) L1288565-56 11/27/20 19:56 • (DUP) R3598034-3 11/27/20 19:56

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.8	85.1	1	5.32		10

Laboratory Control Sample (LCS)

(LCS) R3598034-2 11/27/20 19:56

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3598607-1 11/30/20 07:22

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1288702-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1288702-04 11/30/20 07:22 • (DUP) R3598607-3 11/30/20 07:22

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	81.4	81.6	1	0.305		10

Laboratory Control Sample (LCS)

(LCS) R3598607-2 11/30/20 07:22

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3597117-1 11/24/20 20:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	1.00
Lead	U		0.0990	2.00

Laboratory Control Sample (LCS)

(LCS) R3597117-2 11/24/20 20:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	89.7	89.7	80.0-120	
Lead	100	89.1	89.1	80.0-120	

L1288565-62 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1288565-62 11/24/20 20:51 • (MS) R3597117-5 11/24/20 21:01 • (MSD) R3597117-6 11/24/20 21:04

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	23.4	2.98	118	114	98.2	94.7	5	75.0-125			3.44	20
Lead	23.4	123	289	280	142	134	5	75.0-125	J5	J5	3.18	20

Method Blank (MB)

(MB) R3597355-4 11/25/20 10:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	1.00
Lead	U		0.0990	2.00

Laboratory Control Sample (LCS)

(LCS) R3597355-5 11/25/20 10:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	93.5	93.5	80.0-120	
Lead	100	95.7	95.7	80.0-120	

L1288565-36 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1288565-36 11/25/20 11:00 • (MS) R3597355-8 11/25/20 11:11 • (MSD) R3597355-9 11/25/20 11:14

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	21.8	4.37	86.0	84.5	75.0	73.6	5	75.0-125		J6	1.80	20
Lead	21.8	30.3	118	108	80.8	71.2	5	75.0-125		J6	9.27	20

Method Blank (MB)

(MB) R3597212-1 11/25/20 07:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	1.00
Lead	U		0.0990	2.00

Laboratory Control Sample (LCS)

(LCS) R3597212-2 11/25/20 07:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	96.1	96.1	80.0-120	
Lead	100	96.9	96.9	80.0-120	

L1288565-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1288565-03 11/25/20 07:39 • (MS) R3597212-5 11/25/20 07:49 • (MSD) R3597212-6 11/25/20 07:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	22.3	5.95	89.1	98.6	74.5	83.0	5	75.0-125	J6		10.1	20
Lead	22.3	13.3	103	109	80.5	85.9	5	75.0-125			5.70	20

Method Blank (MB)

(MB) R3598885-1 12/01/20 03:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aldrin	U		0.00376	0.0200
Alpha BHC	U		0.00368	0.0200
Beta BHC	U		0.00379	0.0200
Delta BHC	U		0.00346	0.0200
Gamma BHC	U		0.00344	0.0200
4,4-DDD	U		0.00370	0.0200
4,4-DDE	U		0.00366	0.0200
4,4-DDT	U		0.00627	0.0200
Dieldrin	U		0.00344	0.0200
Endosulfan I	U		0.00363	0.0200
Endosulfan II	U		0.00335	0.0200
Endosulfan sulfate	U		0.00364	0.0200
Endrin	U		0.00350	0.0200
Endrin aldehyde	U		0.00339	0.0200
Endrin ketone	U		0.00711	0.0200
Heptachlor	U		0.00428	0.0200
Heptachlor epoxide	U		0.00339	0.0200
Hexachlorobenzene	U		0.00346	0.0200
Methoxychlor	U		0.00484	0.0200
Chlordane	U		0.103	0.300
Toxaphene	U		0.124	0.400
(S) Decachlorobiphenyl	*98.6*			*10.0-135*
(S) Tetrachloro-m-xylene	*90.4*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R3598885-2 12/01/20 03:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aldrin	0.0666	0.0683	103	34.0-136	
Alpha BHC	0.0666	0.0662	99.4	34.0-139	
Beta BHC	0.0666	0.0631	94.7	34.0-133	
Delta BHC	0.0666	0.0626	94.0	34.0-135	
Gamma BHC	0.0666	0.0673	101	34.0-136	
4,4-DDD	0.0666	0.0662	99.4	33.0-141	
4,4-DDE	0.0666	0.0698	105	34.0-134	
4,4-DDT	0.0666	0.0702	105	30.0-143	
Dieldrin	0.0666	0.0674	101	35.0-137	
Endosulfan I	0.0666	0.0675	101	34.0-134	

Laboratory Control Sample (LCS)

(LCS) R3598885-2 12/01/20 03:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endosulfan II	0.0666	0.0633	95.0	35.0-132	
Endosulfan sulfate	0.0666	0.0640	96.1	35.0-132	
Endrin	0.0666	0.0672	101	34.0-137	
Endrin aldehyde	0.0666	0.0556	83.5	23.0-121	
Endrin ketone	0.0666	0.0517	77.6	35.0-144	
Heptachlor	0.0666	0.0673	101	36.0-141	
Heptachlor epoxide	0.0666	0.0654	98.2	36.0-134	
Hexachlorobenzene	0.0666	0.0651	97.7	33.0-129	
Methoxychlor	0.0666	0.0566	85.0	28.0-150	
(S) Decachlorobiphenyl			*103*	*10.0-135*	
(S) Tetrachloro-m-xylene			*94.6*	*10.0-139*	

L1288565-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1288565-02 12/01/20 04:15 • (MS) R3598885-3 12/01/20 04:28 • (MSD) R3598885-4 12/01/20 04:42

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aldrin	0.0780	U	0.0683	0.0675	87.5	86.5	1	20.0-135			1.21	37
Alpha BHC	0.0780	U	0.0700	0.0671	89.6	86.0	1	27.0-140			4.10	35
Beta BHC	0.0780	U	0.0674	0.0643	86.3	82.4	1	23.0-141			4.63	37
Delta BHC	0.0780	U	0.0663	0.0635	85.0	81.4	1	21.0-138			4.33	35
Gamma BHC	0.0780	U	0.0711	0.0683	91.1	87.5	1	27.0-137			4.03	36
4,4-DDD	0.0780	0.00666	0.0889	0.0933	105	111	1	15.0-152			4.76	39
4,4-DDE	0.0780	0.0527	0.223	0.266	218	273	1	10.0-152	J5	J5	17.7	40
4,4-DDT	0.0780	U	0.0835	0.0855	107	110	1	10.0-151			2.36	40
Dieldrin	0.0780	U	0.0685	0.0664	87.8	85.1	1	17.0-145			3.13	37
Endosulfan I	0.0780	U	0.0697	0.0681	89.3	87.2	1	20.0-137			2.38	36
Endosulfan II	0.0780	U	0.0647	0.0622	82.9	79.7	1	15.0-141			3.88	37
Endosulfan sulfate	0.0780	U	0.0669	0.0637	85.7	81.7	1	15.0-143			4.84	38
Endrin	0.0780	U	0.0697	0.0677	89.3	86.8	1	19.0-143			2.90	37
Endrin aldehyde	0.0780	U	0.0636	0.0610	81.5	78.2	1	10.0-139			4.14	40
Endrin ketone	0.0780	U	0.0543	0.0516	69.5	66.1	1	17.0-149			5.09	38
Heptachlor	0.0780	U	0.0683	0.0673	87.5	86.2	1	22.0-138			1.56	37
Heptachlor epoxide	0.0780	U	0.0676	0.0657	86.6	84.2	1	22.0-138			2.81	36
Hexachlorobenzene	0.0780	U	0.0659	0.0653	84.4	83.6	1	25.0-126			0.894	35
Methoxychlor	0.0780	U	0.0595	0.0592	76.3	75.8	1	10.0-159			0.592	40
(S) Decachlorobiphenyl					*94.9*	*89.9*		*10.0-135*				
(S) Tetrachloro-m-xylene					*87.1*	*84.4*		*10.0-139*				

Method Blank (MB)

(MB) R3599234-1 12/01/20 17:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aldrin	U		0.00376	0.0200
Alpha BHC	U		0.00368	0.0200
Beta BHC	U		0.00379	0.0200
Delta BHC	U		0.00346	0.0200
Gamma BHC	U		0.00344	0.0200
4,4-DDD	U		0.00370	0.0200
4,4-DDE	U		0.00366	0.0200
4,4-DDT	U		0.00627	0.0200
Dieldrin	U		0.00344	0.0200
Endosulfan I	U		0.00363	0.0200
Endosulfan II	U		0.00335	0.0200
Endosulfan sulfate	U		0.00364	0.0200
Endrin	U		0.00350	0.0200
Endrin aldehyde	U		0.00339	0.0200
Endrin ketone	U		0.00711	0.0200
Heptachlor	U		0.00428	0.0200
Heptachlor epoxide	U		0.00339	0.0200
Hexachlorobenzene	U		0.00346	0.0200
Methoxychlor	U		0.00484	0.0200
Chlordane	U		0.103	0.300
Toxaphene	U		0.124	0.400
(S) Decachlorobiphenyl	*85.0*			*10.0-135*
(S) Tetrachloro-m-xylene	*85.0*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R3599234-2 12/01/20 17:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aldrin	0.0666	0.0712	107	34.0-136	
Alpha BHC	0.0666	0.0712	107	34.0-139	
Beta BHC	0.0666	0.0695	104	34.0-133	
Delta BHC	0.0666	0.0673	101	34.0-135	
Gamma BHC	0.0666	0.0726	109	34.0-136	
4,4-DDD	0.0666	0.0708	106	33.0-141	
4,4-DDE	0.0666	0.0723	109	34.0-134	
4,4-DDT	0.0666	0.0746	112	30.0-143	
Dieldrin	0.0666	0.0701	105	35.0-137	
Endosulfan I	0.0666	0.0699	105	34.0-134	

Laboratory Control Sample (LCS)

(LCS) R3599234-2 12/01/20 17:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endosulfan II	0.0666	0.0649	97.4	35.0-132	
Endosulfan sulfate	0.0666	0.0664	99.7	35.0-132	
Endrin	0.0666	0.0737	111	34.0-137	
Endrin aldehyde	0.0666	0.0533	80.0	23.0-121	
Endrin ketone	0.0666	0.0529	79.4	35.0-144	
Heptachlor	0.0666	0.0701	105	36.0-141	
Heptachlor epoxide	0.0666	0.0694	104	36.0-134	
Hexachlorobenzene	0.0666	0.0695	104	33.0-129	
Methoxychlor	0.0666	0.0643	96.5	28.0-150	
(S) Decachlorobiphenyl			*101*	*10.0-135*	
(S) Tetrachloro-m-xylene			*101*	*10.0-139*	

L1288565-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1288565-01 12/01/20 17:32 • (MS) R3599234-3 12/01/20 17:45 • (MSD) R3599234-4 12/01/20 17:58

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aldrin	0.0719	U	0.0815	0.0750	113	104	1	20.0-135			8.35	37
Alpha BHC	0.0719	U	0.0863	0.0810	120	112	1	27.0-140			6.36	35
Beta BHC	0.0719	U	0.0833	0.0793	116	110	1	23.0-141			4.90	37
Delta BHC	0.0719	U	0.0821	0.0753	114	104	1	21.0-138			8.59	35
Gamma BHC	0.0719	U	0.0872	0.0816	121	113	1	27.0-137			6.56	36
4,4-DDD	0.0719	U	0.0821	0.0750	114	104	1	15.0-152			9.03	39
4,4-DDE	0.0719	0.00630	0.0887	0.0794	115	101	1	10.0-152			11.1	40
4,4-DDT	0.0719	U	0.0873	0.0789	121	109	1	10.0-151			10.1	40
Dieldrin	0.0719	U	0.0838	0.0768	117	106	1	17.0-145			8.83	37
Endosulfan I	0.0719	U	0.0825	0.0751	115	104	1	20.0-137			9.42	36
Endosulfan II	0.0719	U	0.0772	0.0706	107	97.5	1	15.0-141			9.00	37
Endosulfan sulfate	0.0719	U	0.0809	0.0748	112	103	1	15.0-143			7.83	38
Endrin	0.0719	U	0.0848	0.0792	118	109	1	19.0-143			6.89	37
Endrin aldehyde	0.0719	U	0.0790	0.0775	110	107	1	10.0-139			1.84	40
Endrin ketone	0.0719	U	0.0653	0.0597	90.9	82.5	1	17.0-149			9.03	38
Heptachlor	0.0719	U	0.0789	0.0718	110	99.2	1	22.0-138			9.41	37
Heptachlor epoxide	0.0719	U	0.0842	0.0745	117	103	1	22.0-138			12.1	36
Hexachlorobenzene	0.0719	U	0.0827	0.0770	115	106	1	25.0-126			7.21	35
Methoxychlor	0.0719	U	0.0770	0.0718	107	99.2	1	10.0-159			7.00	40
(S) Decachlorobiphenyl					*126*	*118*		*10.0-135*				
(S) Tetrachloro-m-xylene					*110*	*102*		*10.0-139*				

Method Blank (MB)

(MB) R3599486-1 12/02/20 08:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aldrin	U		0.00376	0.0200
Alpha BHC	U		0.00368	0.0200
Beta BHC	U		0.00379	0.0200
Delta BHC	U		0.00346	0.0200
Gamma BHC	U		0.00344	0.0200
4,4-DDD	U		0.00370	0.0200
4,4-DDE	U		0.00366	0.0200
4,4-DDT	U		0.00627	0.0200
Dieldrin	U		0.00344	0.0200
Endosulfan I	U		0.00363	0.0200
Endosulfan II	U		0.00335	0.0200
Endosulfan sulfate	U		0.00364	0.0200
Endrin	U		0.00350	0.0200
Endrin aldehyde	U		0.00339	0.0200
Endrin ketone	U		0.00711	0.0200
Heptachlor	U		0.00428	0.0200
Heptachlor epoxide	U		0.00339	0.0200
Hexachlorobenzene	U		0.00346	0.0200
Methoxychlor	U		0.00484	0.0200
Chlordane	U		0.103	0.300
Toxaphene	U		0.124	0.400
(S) Decachlorobiphenyl	*80.3*			*10.0-135*
(S) Tetrachloro-m-xylene	*74.8*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R3599486-2 12/02/20 08:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aldrin	0.0666	0.0424	63.7	34.0-136	
Alpha BHC	0.0666	0.0399	59.9	34.0-139	
Beta BHC	0.0666	0.0383	57.5	34.0-133	
Delta BHC	0.0666	0.0405	60.8	34.0-135	
Gamma BHC	0.0666	0.0405	60.8	34.0-136	
4,4-DDD	0.0666	0.0416	62.5	33.0-141	
4,4-DDE	0.0666	0.0400	60.1	34.0-134	
4,4-DDT	0.0666	0.0431	64.7	30.0-143	
Dieldrin	0.0666	0.0406	61.0	35.0-137	
Endosulfan I	0.0666	0.0411	61.7	34.0-134	

Laboratory Control Sample (LCS)

(LCS) R3599486-2 12/02/20 08:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endosulfan II	0.0666	0.0403	60.5	35.0-132	
Endosulfan sulfate	0.0666	0.0396	59.5	35.0-132	
Endrin	0.0666	0.0421	63.2	34.0-137	
Endrin aldehyde	0.0666	0.0315	47.3	23.0-121	
Endrin ketone	0.0666	0.0411	61.7	35.0-144	
Heptachlor	0.0666	0.0440	66.1	36.0-141	
Heptachlor epoxide	0.0666	0.0408	61.3	36.0-134	
Hexachlorobenzene	0.0666	0.0403	60.5	33.0-129	
Methoxychlor	0.0666	0.0432	64.9	28.0-150	
(S) Decachlorobiphenyl			*72.1*	*10.0-135*	
(S) Tetrachloro-m-xylene			*64.6*	*10.0-139*	

L1288784-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1288784-01 12/02/20 14:48 • (MS) R3599686-1 12/02/20 15:22 • (MSD) R3599686-2 12/02/20 15:35

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aldrin	0.0677	U	0.0588	0.0480	86.8	70.9	1	20.0-135			20.2	37
Alpha BHC	0.0677	U	0.0602	0.0505	88.9	74.6	1	27.0-140			17.4	35
Beta BHC	0.0677	U	0.0571	0.0495	84.4	73.1	1	23.0-141			14.3	37
Delta BHC	0.0677	U	0.0564	0.0434	83.3	64.1	1	21.0-138			26.1	35
Gamma BHC	0.0677	U	0.0614	0.0516	90.7	76.1	1	27.0-137			17.5	36
4,4-DDD	0.0677	U	0.0622	0.0597	91.9	88.1	1	15.0-152			4.17	39
4,4-DDE	0.0677	U	0.0577	0.0485	85.1	71.6	1	10.0-152			17.2	40
4,4-DDT	0.0677	U	0.0499	0.0397	73.7	58.6	1	10.0-151			22.9	40
Dieldrin	0.0677	U	0.0563	0.0477	83.2	70.4	1	17.0-145			16.6	37
Endosulfan I	0.0677	U	0.0559	0.0427	82.6	63.1	1	20.0-137			26.8	36
Endosulfan II	0.0677	U	0.0536	0.0336	79.1	49.5	1	15.0-141		J3	46.0	37
Endosulfan sulfate	0.0677	U	0.0563	0.0437	83.2	64.6	1	15.0-143			25.2	38
Endrin	0.0677	U	0.0597	0.0475	88.1	70.1	1	19.0-143			22.8	37
Endrin aldehyde	0.0677	U	0.0523	0.0419	77.2	61.9	1	10.0-139			22.0	40
Endrin ketone	0.0677	U	0.0434	0.0356	64.1	52.6	1	17.0-149			19.8	38
Heptachlor	0.0677	U	0.0586	0.0480	86.5	70.9	1	22.0-138			19.8	37
Heptachlor epoxide	0.0677	U	0.0588	0.0450	86.8	66.5	1	22.0-138			26.4	36
Hexachlorobenzene	0.0677	U	0.0595	0.0491	87.8	72.5	1	25.0-126			19.1	35
Methoxychlor	0.0677	U	0.0484	0.0382	71.5	56.5	1	10.0-159			23.5	40
(S) Decachlorobiphenyl					*85.3*	*71.2*		*10.0-135*				
(S) Tetrachloro-m-xylene					*84.5*	*68.6*		*10.0-139*				

Method Blank (MB)

(MB) R3598953-1 12/01/20 04:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aldrin	U		0.00376	0.0200
Alpha BHC	U		0.00368	0.0200
Beta BHC	U		0.00379	0.0200
Delta BHC	U		0.00346	0.0200
Gamma BHC	U		0.00344	0.0200
4,4-DDD	U		0.00370	0.0200
4,4-DDE	U		0.00366	0.0200
4,4-DDT	U		0.00627	0.0200
Dieldrin	U		0.00344	0.0200
Endosulfan I	U		0.00363	0.0200
Endosulfan II	U		0.00335	0.0200
Endosulfan sulfate	U		0.00364	0.0200
Endrin	U		0.00350	0.0200
Endrin aldehyde	U		0.00339	0.0200
Endrin ketone	U		0.00711	0.0200
Heptachlor	U		0.00428	0.0200
Heptachlor epoxide	U		0.00339	0.0200
Hexachlorobenzene	U		0.00346	0.0200
Methoxychlor	U		0.00484	0.0200
Chlordane	U		0.103	0.300
Toxaphene	U		0.124	0.400
(S) Decachlorobiphenyl	*75.1*			*10.0-135*
(S) Tetrachloro-m-xylene	*92.2*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R3598953-2 12/01/20 04:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aldrin	0.0666	0.0644	96.7	34.0-136	
Alpha BHC	0.0666	0.0669	100	34.0-139	
Beta BHC	0.0666	0.0647	97.1	34.0-133	
Delta BHC	0.0666	0.0683	103	34.0-135	
Gamma BHC	0.0666	0.0679	102	34.0-136	
4,4-DDD	0.0666	0.0718	108	33.0-141	
4,4-DDE	0.0666	0.0615	92.3	34.0-134	
4,4-DDT	0.0666	0.0618	92.8	30.0-143	
Dieldrin	0.0666	0.0694	104	35.0-137	
Endosulfan I	0.0666	0.0610	91.6	34.0-134	

Laboratory Control Sample (LCS)

(LCS) R3598953-2 12/01/20 04:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endosulfan II	0.0666	0.0613	92.0	35.0-132	
Endosulfan sulfate	0.0666	0.0659	98.9	35.0-132	
Endrin	0.0666	0.0661	99.2	34.0-137	
Endrin aldehyde	0.0666	0.0511	76.7	23.0-121	
Endrin ketone	0.0666	0.0643	96.5	35.0-144	
Heptachlor	0.0666	0.0668	100	36.0-141	
Heptachlor epoxide	0.0666	0.0682	102	36.0-134	
Hexachlorobenzene	0.0666	0.0635	95.3	33.0-129	
Methoxychlor	0.0666	0.0666	100	28.0-150	
(S) Decachlorobiphenyl			*81.7*	*10.0-135*	
(S) Tetrachloro-m-xylene			*96.8*	*10.0-139*	

L1288968-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1288968-01 12/01/20 07:52 • (MS) R3598953-3 12/01/20 08:07 • (MSD) R3598953-4 12/01/20 08:21

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aldrin	0.0761	U	0.0528	0.0567	69.4	74.5	1	20.0-135			7.10	37
Alpha BHC	0.0761	U	0.0544	0.0604	71.5	79.4	1	27.0-140			10.5	35
Beta BHC	0.0761	U	0.0507	0.0569	66.7	74.8	1	23.0-141	P	P	11.5	37
Delta BHC	0.0761	U	0.0536	0.0595	70.4	78.2	1	21.0-138			10.5	35
Gamma BHC	0.0761	U	0.0551	0.0617	72.4	81.1	1	27.0-137			11.4	36
4,4-DDD	0.0761	U	0.0585	0.0640	76.9	84.1	1	15.0-152			8.96	39
4,4-DDE	0.0761	U	0.0510	0.0561	67.0	73.7	1	10.0-152			9.61	40
4,4-DDT	0.0761	U	0.0558	0.0571	73.3	75.1	1	10.0-151			2.43	40
Dieldrin	0.0761	U	0.0561	0.0624	73.7	82.0	1	17.0-145			10.6	37
Endosulfan I	0.0761	U	0.0491	0.0535	64.6	70.3	1	20.0-137			8.46	36
Endosulfan II	0.0761	U	0.0507	0.0524	66.7	68.9	1	15.0-141			3.32	37
Endosulfan sulfate	0.0761	U	0.0534	0.0575	70.1	75.5	1	15.0-143			7.42	38
Endrin	0.0761	U	0.0548	0.0614	72.1	80.6	1	19.0-143			11.2	37
Endrin aldehyde	0.0761	U	0.0488	0.0527	64.1	69.2	1	10.0-139			7.66	40
Endrin ketone	0.0761	U	0.0524	0.0569	68.9	74.8	1	17.0-149			8.15	38
Heptachlor	0.0761	U	0.0570	0.0630	74.9	82.7	1	22.0-138			9.90	37
Heptachlor epoxide	0.0761	U	0.0548	0.0596	72.1	78.4	1	22.0-138			8.38	36
Hexachlorobenzene	0.0761	U	0.0528	0.0576	69.4	75.7	1	25.0-126			8.70	35
Methoxychlor	0.0761	U	0.0616	0.0667	80.9	87.7	1	10.0-159			8.01	40
(S) Decachlorobiphenyl					*60.8*	*63.5*		*10.0-135*				
(S) Tetrachloro-m-xylene					*71.8*	*76.3*		*10.0-139*				

L1288565-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1288565-01 12/01/20 16:59 • (MS) R3599304-3 12/01/20 17:10 • (MSD) R3599304-4 12/01/20 17:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.185	U	0.243	0.193	131	107	1	10.0-160			22.9	38
PCB 1016	0.185	U	0.200	0.187	108	104	1	10.0-160		P	6.86	37
(S) Decachlorobiphenyl					*130*	*123*		*10.0-135*				
(S) Tetrachloro-m-xylene					*87.8*	*98.2*		*10.0-139*				

Method Blank (MB)

(MB) R3599405-1 12/02/20 03:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*91.6*			*10.0-135*
(S) Tetrachloro-m-xylene	*102*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R3599405-2 12/02/20 04:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1260	0.167	0.165	98.8	37.0-145	
PCB 1016	0.167	0.175	105	36.0-141	
(S) Decachlorobiphenyl			*84.8*	*10.0-135*	
(S) Tetrachloro-m-xylene			*94.0*	*10.0-139*	

L1288784-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1288784-01 12/02/20 09:56 • (MS) R3599405-3 12/02/20 10:08 • (MSD) R3599405-4 12/02/20 10:17

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.170	U	0.107	0.139	62.9	82.0	1	10.0-160			26.4	38
PCB 1016	0.170	U	0.129	0.168	76.0	98.8	1	10.0-160			26.0	37
(S) Decachlorobiphenyl					*58.6*	*72.1*		*10.0-135*				
(S) Tetrachloro-m-xylene					*74.3*	*89.3*		*10.0-139*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P	RPD between the primary and confirmatory analysis exceeded 40%.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

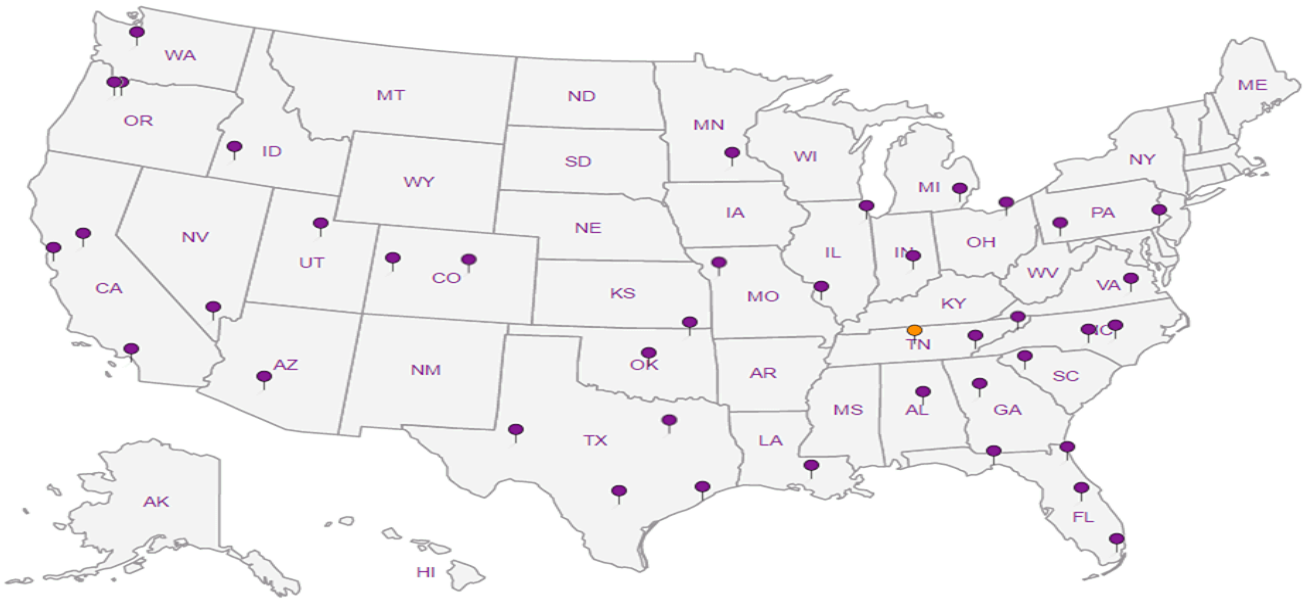
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



McCloskey Consultants Inc (MCI)

Billing Information:

Chain of Custody Page 1 of 7

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Tom McCloskey / Chris Vertin

Email To:

Project Description: MVHS PEA Sampling

City/State Collected: Mountain View CA

Please Circle: (PT) MT CT ET

Phone: 925.786.2467

Client Project #

Lab Project #

Collected by (print): Chris Vertin

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

SDG # L1288565

Table # B123

Acctnum: MCCCONDCA

Template:

Prelogin:

PM:

PB:

Shipped Via:

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Pres Chk	Arsenic + PLead (6020)	OCPs (8081)	PCBs (8082)	Remarks	Sample # (lab only)
BP-1	Grab	SS	0-½'	11.17.20	10:49	1		X	X	X		-01
BP-1			2-2½'		11:07				X			-02
BP-2			0-½'		10:51			X	X	X		-03
BP-2			2-2½		11:17				X			-04
BP-3			0-½'		10:57			X	X	X		-05
BP-3			2-2½'		11:41				X			-06
BP-4			0-½'		10:59			X	X	X		-07
BP-4			2-2½'		11:53				X			-08
BP-5			0-½'		12:08			X	X	X		-09
BP-5			2-2½		13:55				X			-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ____

Remarks: Metals by 6020

pH ____ Temp ____

Flow ____ Other ____

Samples returned via:
__ UPS __ FedEx __ Courier __ Sw

Tracking # NL

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	11.19.20	1035	Pace NAT		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.6 °C Bottles Received: 65	
Pace NAT	11/19/20	1630	SWA CARGO	.8 to .8	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/20 Time: 800	Hold: Condition: NCF / OK

McCloskey

Billing Information:

Chain of Custody Page 2 of 7

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Tan McCloskey / Chris Vertin

Email To:

Project Description: MVHS PEA Sampling

City/State Collected: Mountain View CA

Please Circle: PT MT CT ET

Phone: 925.786.2667

Client Project #

Lab Project #

SDG # L1288565

Collected by (print): Chris Vertin

Site/Facility ID #

P.O. #

Table #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Acctnum:
Template:
Prelogin:
PM:
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Arsenic + Lead (6020)	OCP's (8081)	PCB's (8082)	Remarks	Sample # (lab only)
BP-6	Grab	SS	0-½'	11.17.20	12:10	1	X	X	X		-11
BP-6			2-2½'		14:05			X			-12
BP-7			0-½'		12:13		X	X	X		-13
BP-7			2-2½'		14:22			X			-14
BP-8			0-½'		12:18		X	X	X		-15
BP-8			2-2½'		14:30			X			-16
BP-9			0-½'		12:21		X	X	X		-17
BP-9			2-2½'		14:40			X			-18
BP-10			0-½'		12:28		X	X	X		-19
BP-10			2-2½'		15:15			X			-20

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ____

Remarks:

pH ____ Temp ____

Flow ____ Other ____

Samples returned via:
__ UPS __ FedEx __ Courier SV

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	11.19.20	1035	PACE NAT	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
PACE NAT	11/19/20	1630	SWA CARGO	8.0 5
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				11/20/20 830

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

McCloskey (MCL)

Billing Information:

Analysis / Container / Preservative

Chain of Custody Page 3 of 7

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Tom McCloskey / Chris Vertin

Email To:

Project Description: MVHS PEA Sampling

City/State Collected: Mountain View CA

Please Circle: (PT) MT CT ET

Phone: 925.786.2667

Client Project #

Lab Project #

SDG # L1288565

Table #

Collected by (print): Chris Vertin

Site/Facility ID #

P.O. #

Acctnum:

Collected by (signature):

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Template:

Prelogin:

PM:

PB:

Shipped Via:

Immediately Packed on Ice N ___ Y X

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Arsenic + Lead (6020)	OCPs (8081)	PCBs (8082)	Remarks	Sample # (lab only)
BP-11	Grab	SS	0-½'	11.17.20	12:31	1	X	X	X		-21
BP-11			2-2½'		15:26			X			-22
BP-12			0-½'		12:35		X	X	X		-23
BP-12			2-2½'		15:42			X			-24
BP-13			0-½'		12:51		X	X	X		-25
BP-13			2-2½'		16:01			X			-26
BP-14			0-½'		12:52		X	X	X		-27
BP-14			2-2½'	11.18.20	10:30			X			-28
BP-15			0-½'	11.17.20	13:00		X	X	X		-29
BP-15			2-2½'	11.18.20	10:52			X			-30

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other _____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: Y __N
Correct bottles used: Y __N
Sufficient volume sent: Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	11.19.20	1035	PACE NAT	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.6 °C Bottles Received: 65
PACE NAS	11/19/20	1630	SWA CARGO	.8+0=.8
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/20/20 Time: 800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

McCloskey Consultants Inc

Tom McCloskey / Chris Vertin

Report to: MVHS PEA Sampling

Email To:

Project Description:

City/State Collected: Mountain View CA

Please Circle: PT MT CT ET

Billing Information:

Phone: 925 786.2467

Client Project #

Lab Project #

Collected by (print): Chris Vertin

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Arsenic + Lead (6020)	OCPs (8081)	PCBs (8082)	Remarks	Sample # (lab only)
BP-16A	Grab	SS	11.18.20	0-½'	10:59	1	X	X	X		-31
BP-16				2-2½'	11:15			X			-32
BP-17				0-½'	11:30		X	X	X		-33
~~BP-17~~				~~2-2½'~~				X			
BP-18				0-½'	11:33		X	X	X		-34
BP-18				2-2½'	11:38			X			-35
BP-19				0-½'	11:44		X	X	X		-36
BP-19				2-2½'	11:50			X			-37
BP-20				0-½'	12:10		X	X	X		-38
~~BP-20~~ BP-16B				~~2-2½'~~ 0-½'	11:00		X	X	X		-39

Chain of Custody Page 4 of 7

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1288565

Table #

Acctnum:

Template:

Prelogin:

PM:

PB:

Shipped Via:

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ SV

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:		
Relinquished by: (Signature)	11.19.20	1035	Received by: (Signature) PACE NAT	Trip Blank Received: Yes / No (HCL / MeoH TBR)
Relinquished by: (Signature) PACE NAT	11/19/20	1630	Received by: (Signature) SWA CARGO	Temp: 1.6 °C .8+0=.8 Bottles Received: 05
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/23/2 Time: 800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

McClosky (MCI)

Billing Information:

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 5 of 7

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Tom McClosky / Chris Vertin

Email To:

Project Description: MVHS PEA Sampling

City/State Collected: Mountain View CA

Please Circle: PT MT CT ET

Phone: 925.786.2667

Client Project #

Lab Project #

Collected by (print): Chris Vertin

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

SDG # L1288565

Table #

Acctnum:

Template:

Prelogin:

PM:

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Arsenic + Lead (6020)	OCPs (8081)	PCBs (8082)	Remarks	Sample # (lab only)
BP-21	Grab	SS	0-½'	11.18.20	12:16	1	X	X	X		-40
~~BP-21~~											
BP-22			0-½'		12:21		X	X	X		-41
~~BP-22~~											
BP-23			0-½'		12:34		X	X	X		-42
~~BP-23~~											
BP-24			0-½'		12:40		X	X	X		-43
~~BP-24~~											
BP-25			0-½'		12:45		X	X	X		-44
BP-25			2-2½'		12:48			X			-45

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	11.19.20	1035	PACE NAT		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.6 °C Bottles Received:	If preservation required by Login: Date/Time
PACE NAT	11/19/20	1630	SWA CARGO	4.8±0.8 6	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
				11/20/20 800	

Chain of Custody Page 6 of 7

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

McCloskey

Billing Information:

Pres Chk

Report to: Tom McCloskey / Chris Vertin

Email To:

Project Description: MVHS PEA Sampling

City/State Collected: Mountain View CA

Please Circle: (PT) MT CT ET

Phone: 925.786.2467

Client Project #

Lab Project #

Collected by (print): Chris Vertin

Site/Facility ID #

P.O. #

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

SDG # L1288565
Table #
Acctnum:
Template:
Prelogin:
PM:
PB:
Shipped Via:

Analysis / Container / Preservative: Arsenic + PLead (6020) | OCPs (8081) | PCBs (8082)

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Arsenic + PLead (6020)	OCPs (8081)	PCBs (8082)	Remarks	Sample # (lab only)
BP-26	Grab	SS	0-½'	11.18.20	12:58	1	X	X	X		-46
BP-26	|	|	2-2½	|	13:05	|		X			-47
BP-27A	|	|	0-½'	|	14:02	|	X	X	X		-48
BP-27C	|	|	2-2½'	|	14:12	|		X			-49
BP-28	|	|	0-½'	|	14:34	|	X	X	X		-50
BP-28	|	|	2-2½	|	14:45	|		X			-51
BP-~~X~~ 27B	|	|	0-½'	|	14:04	|	X	X	X		-52
BP-~~XX~~ 27D	|	|	2-2½	|	14:14	|		X			-53
BP-30A	|	|	0-½'	|	15:05	|	X	X	X		-54
BP-30	|	|	2-2½'	|	15:14	|		X			-55

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other________

Remarks:

pH ______ Temp ______

Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ (Courier) ______ SW

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	
[signature]	11.19.20	1035	[signature] PACE NAT	Trip Blank Received: Yes / (No) HCL / MeOH TBR
[signature] PACE NAT	11/19/20	1630	SWA CARGO	Temp: 7.6 °C .8±0=.8 Bottles Received: 65
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 11/20/20 Time: 800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

McCloskey

Billing Information:

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 7 of 7

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Tom McCloskey / Chris Vertin

Email To:

Project Description: MVHS. PEA Sampling

City/State Collected: Mountain View CA

Please Circle: (PT) MT CT ET

Phone: 925.786.2667

Client Project #

Lab Project #

SDG # L1288565

Table #

Collected by (print): Chris Vertin

Site/Facility ID #

P.O. #

Acctnum:

Template:

Prelogin:

PM:

PB:

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Arsenic + Lead (6020)	OCPs (8081)	PCBs (8082)	Remarks	Sample # (lab only)
BP-30B	Grab	SS	0-½'	~~11.18.20 15:07~~	15:07	1	X	X	X		-56
BP-32A			0-½'	11.18.20	15:47		X	X	X		-57
BP-32B			0-½'		15:49		X	X	X		-58
BP-32			2-2½		16:00			X			-59
BP-33			0-½'		16:05		X	X	X		-60
BP-33			2-2½		16:10			X			-61
BP-34			0-½'		16:31		X	X	X		-62
BP-35			0-½'		16:35		X	X	X		-63
BP-36			0-½		16:15		X	X	X		-64
BP-37			0-½'		16:20		X	X	X		-65

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier S

Tracking # NA

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	11/19/20	1035	PACE NAT		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.8 +0.2 °C	Bottles Received: 05
PACE NAT	11/19/20	1630	SWA CARGO		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/20/20	Time: 800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

December 04, 2020

McCloskey Consulting - Danville, CA

Sample Delivery Group:	L1290342
Samples Received:	11/25/2020
Project Number:	
Description:	MVHS PEA Sampling

Report To: Tom McCloskey
420 Sycamore Valley Rd West
Danville, CA 94526

Entire Report Reviewed By: Brian Ford

Brian Ford
Project Manager

BP-38 0-1/2' L1290342-01 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 10:08 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585039	1	12/02/20 08:31	12/02/20 08:41	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1584955	1	12/02/20 01:01	12/02/20 15:56	EL	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585391	1	12/02/20 16:23	12/03/20 09:11	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1585391	1	12/02/20 16:23	12/03/20 08:38	SSH	Mt. Juliet, TN

BP-38 2-2 1/2' L1290342-02 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 10:06 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585039	1	12/02/20 08:31	12/02/20 08:41	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1584955	1	12/02/20 01:01	12/02/20 15:59	EL	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585391	1	12/02/20 16:23	12/03/20 09:26	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1585391	1	12/02/20 16:23	12/03/20 10:48	SSH	Mt. Juliet, TN

BP-39 0-1/2' L1290342-03 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 10:28 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585039	1	12/02/20 08:31	12/02/20 08:41	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1584955	1	12/02/20 01:01	12/02/20 16:02	EL	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585391	1	12/02/20 16:23	12/03/20 09:40	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1585391	1	12/02/20 16:23	12/03/20 09:00	SSH	Mt. Juliet, TN

BP-39 4-4 1/2' L1290342-04 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 10:24 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585039	1	12/02/20 08:31	12/02/20 08:41	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1584955	1	12/02/20 01:01	12/02/20 16:10	EL	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585391	1	12/02/20 16:23	12/03/20 09:55	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1585391	1	12/02/20 16:23	12/03/20 10:58	SSH	Mt. Juliet, TN

BP-40 0-1/2' L1290342-05 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 09:59 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585039	1	12/02/20 08:31	12/02/20 08:41	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1584955	1	12/02/20 01:01	12/02/20 16:13	EL	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585391	1	12/02/20 16:23	12/03/20 10:10	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1585391	1	12/02/20 16:23	12/03/20 09:23	SSH	Mt. Juliet, TN

BP-40A 2-2 1/2' L1290342-06 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 10:04 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585039	1	12/02/20 08:31	12/02/20 08:41	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1584955	1	12/02/20 01:01	12/02/20 16:16	EL	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585391	1	12/02/20 16:23	12/03/20 10:24	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1585391	1	12/02/20 16:23	12/03/20 12:39	SSH	Mt. Juliet, TN

BP-41 0-1/2' L1290342-07 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 10:51 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585039	1	12/02/20 08:31	12/02/20 08:41	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1584955	1	12/02/20 01:01	12/02/20 16:19	EL	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585391	1	12/02/20 16:23	12/03/20 10:39	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1585391	1	12/02/20 16:23	12/03/20 12:50	SSH	Mt. Juliet, TN

BP-41 4-4 1/2' L1290342-08 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 10:56 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585039	1	12/02/20 08:31	12/02/20 08:41	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1584955	1	12/02/20 01:01	12/02/20 16:22	EL	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585391	1	12/02/20 16:23	12/03/20 10:54	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1585391	1	12/02/20 16:23	12/03/20 13:00	SSH	Mt. Juliet, TN

BP-42 0-1/2' L1290342-09 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 10:41 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585040	1	12/02/20 13:01	12/02/20 13:18	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1584955	1	12/02/20 01:01	12/02/20 16:25	EL	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585391	1	12/02/20 16:23	12/03/20 11:09	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1585391	1	12/02/20 16:23	12/03/20 10:05	SSH	Mt. Juliet, TN

BP-42 2-2 1/2' L1290342-10 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 10:09 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585040	1	12/02/20 13:01	12/02/20 13:18	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1584955	1	12/02/20 01:01	12/02/20 16:28	EL	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585391	1	12/02/20 16:23	12/03/20 11:23	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1585391	1	12/02/20 16:23	12/03/20 10:16	SSH	Mt. Juliet, TN

BP-43 0-1/2' L1290342-11 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 10:44 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585040	1	12/02/20 13:01	12/02/20 13:18	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1584955	1	12/02/20 01:01	12/02/20 16:30	EL	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585391	1	12/02/20 16:23	12/03/20 11:38	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1585391	1	12/02/20 16:23	12/03/20 10:26	SSH	Mt. Juliet, TN

BP-43 4-4 1/2' L1290342-12 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 10:49 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585040	1	12/02/20 13:01	12/02/20 13:18	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1584955	1	12/02/20 01:01	12/02/20 16:33	EL	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585391	1	12/02/20 16:23	12/03/20 11:53	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1585391	1	12/02/20 16:23	12/03/20 10:37	SSH	Mt. Juliet, TN

BP-44 0-1/2' L1290342-13 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 10:36 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585040	1	12/02/20 13:01	12/02/20 13:18	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1584955	1	12/02/20 01:01	12/02/20 16:36	EL	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585391	1	12/02/20 16:23	12/03/20 12:08	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1585391	1	12/02/20 16:23	12/03/20 11:09	SSH	Mt. Juliet, TN

BP-44 2-2 1/2' L1290342-14 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 10:30 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585040	1	12/02/20 13:01	12/02/20 13:18	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1584955	1	12/02/20 01:01	12/02/20 15:43	EL	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585391	1	12/02/20 16:23	12/03/20 12:22	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1585391	1	12/02/20 16:23	12/03/20 11:21	SSH	Mt. Juliet, TN

BP-40B 2-2 1/2' L1290342-15 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 10:05 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585040	1	12/02/20 13:01	12/02/20 13:18	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1584955	1	12/02/20 01:01	12/02/20 17:04	EL	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585391	1	12/02/20 16:23	12/03/20 12:37	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1585391	1	12/02/20 16:23	12/03/20 11:32	SSH	Mt. Juliet, TN

BP-29 0-1/2' L1290342-16 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 13:30 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585040	1	12/02/20 13:01	12/02/20 13:18	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1585015	5	12/02/20 01:00	12/02/20 11:06	JPD	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585391	1	12/02/20 16:23	12/03/20 12:52	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1585391	1	12/02/20 16:23	12/03/20 11:43	SSH	Mt. Juliet, TN

BP-29 2-2 1/2' L1290342-17 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 13:31 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585040	1	12/02/20 13:01	12/02/20 13:18	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1584713	1	12/02/20 17:39	12/03/20 09:28	TAB	Mt. Juliet, TN

BP-31 0-1/2' L1290342-18 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 12:00 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585040	1	12/02/20 13:01	12/02/20 13:18	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1585015	5	12/02/20 01:00	12/02/20 10:51	JPD	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585391	1	12/02/20 16:23	12/03/20 13:06	TAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1585391	1	12/02/20 16:23	12/03/20 11:55	SSH	Mt. Juliet, TN

BP-31 2-2 1/2' L1290342-19 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 12:02 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585041	1	12/02/20 12:31	12/02/20 12:42	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1584713	1	12/02/20 17:39	12/03/20 09:41	TAB	Mt. Juliet, TN

B-100SW L1290342-20 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 13:41 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585041	1	12/02/20 12:31	12/02/20 12:42	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585394	1	12/02/20 17:13	12/03/20 10:01	TAB	Mt. Juliet, TN

B-100SE L1290342-21 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 13:52 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585041	1	12/02/20 12:31	12/02/20 12:42	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585394	1	12/02/20 17:13	12/03/20 10:13	TAB	Mt. Juliet, TN

B-100NW L1290342-22 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 14:04 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585041	1	12/02/20 12:31	12/02/20 12:42	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585394	1	12/02/20 17:13	12/03/20 10:25	TAB	Mt. Juliet, TN

B-100NE L1290342-23 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 14:14 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585041	1	12/02/20 12:31	12/02/20 12:42	KBC	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585394	1	12/02/20 17:13	12/03/20 10:38	TAB	Mt. Juliet, TN

AG-1 L1290342-24 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 13:29 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585041	1	12/02/20 12:31	12/02/20 12:42	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1585015	5	12/02/20 01:00	12/02/20 11:10	JPD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1585052	10	12/02/20 06:33	12/02/20 21:43	JN	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585394	1	12/02/20 17:13	12/03/20 10:50	TAB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1585386	1	12/02/20 16:24	12/03/20 16:14	SHG	Mt. Juliet, TN

AG-2 L1290342-25 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 12:15 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585041	1	12/02/20 12:31	12/02/20 12:42	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1585015	5	12/02/20 01:00	12/02/20 11:13	JPD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1585052	10	12/02/20 06:33	12/02/20 21:57	JN	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585394	1	12/02/20 17:13	12/03/20 11:03	TAB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1585386	1	12/02/20 16:24	12/03/20 13:37	SHG	Mt. Juliet, TN

AG-3A L1290342-26 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 11:37 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585041	1	12/02/20 12:31	12/02/20 12:42	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1585015	5	12/02/20 01:00	12/02/20 11:23	JPD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1585052	5	12/02/20 06:33	12/02/20 21:14	JN	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585394	1	12/02/20 17:13	12/03/20 11:15	TAB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1585386	1	12/02/20 16:24	12/03/20 14:36	SHG	Mt. Juliet, TN

AG-3B L1290342-27 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 11:39 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585041	1	12/02/20 12:31	12/02/20 12:42	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1585015	5	12/02/20 01:00	12/02/20 11:26	JPD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1585052	1	12/02/20 06:33	12/03/20 14:16	CLG	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585394	1	12/02/20 17:13	12/03/20 11:27	TAB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1585386	1	12/02/20 16:24	12/03/20 14:55	SHG	Mt. Juliet, TN

AG-4 L1290342-28 Solid

Collected by: JZ/CV | Collected date/time: 11/24/20 11:40 | Received date/time: 11/25/20 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1585041	1	12/02/20 12:31	12/02/20 12:42	KBC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1585015	5	12/02/20 01:00	12/02/20 11:29	JPD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1585052	10	12/02/20 06:33	12/03/20 16:55	TJD	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1585394	1	12/02/20 17:13	12/03/20 11:40	TAB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1585386	1	12/02/20 16:24	12/03/20 15:15	SHG	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BP-38 0-1/2'	L1290342-01	Lead	25.5		0.230	0.552	1	12/02/2020 15:56	WG1584955
BP-38 2-2 1/2'	L1290342-02	Lead	5.19		0.219	0.525	1	12/02/2020 15:59	WG1584955
BP-39 0-1/2'	L1290342-03	Lead	1.79		0.214	0.514	1	12/02/2020 16:02	WG1584955
BP-39 4-4 1/2'	L1290342-04	Lead	7.19		0.231	0.556	1	12/02/2020 16:10	WG1584955
BP-40 0-1/2'	L1290342-05	Lead	12.5		0.225	0.540	1	12/02/2020 16:13	WG1584955
BP-40A 2-2 1/2'	L1290342-06	Lead	7.42		0.241	0.579	1	12/02/2020 16:16	WG1584955
BP-41 0-1/2'	L1290342-07	Lead	9.29		0.234	0.561	1	12/02/2020 16:19	WG1584955
BP-41 4-4 1/2'	L1290342-08	Lead	6.01		0.223	0.536	1	12/02/2020 16:22	WG1584955
BP-42 0-1/2'	L1290342-09	Lead	12.8		0.233	0.561	1	12/02/2020 16:25	WG1584955
BP-42 2-2 1/2'	L1290342-10	Lead	6.12		0.232	0.559	1	12/02/2020 16:28	WG1584955
BP-43 0-1/2'	L1290342-11	Lead	15.4		0.219	0.527	1	12/02/2020 16:30	WG1584955
BP-43 4-4 1/2'	L1290342-12	Lead	7.45		0.246	0.590	1	12/02/2020 16:33	WG1584955
BP-44 0-1/2'	L1290342-13	Lead	15.4		0.227	0.546	1	12/02/2020 16:36	WG1584955
BP-44 2-2 1/2'	L1290342-14	Lead	6.75		0.223	0.537	1	12/02/2020 15:43	WG1584955
BP-40B 2-2 1/2'	L1290342-15	Lead	7.79		0.245	0.589	1	12/02/2020 17:04	WG1584955

Metals (ICPMS) by Method 6020

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BP-29 0-1/2'	L1290342-16	Arsenic	0.331	J	0.106	1.06	5	12/02/2020 11:06	WG1585015
BP-29 0-1/2'	L1290342-16	Lead	0.480	J	0.105	2.12	5	12/02/2020 11:06	WG1585015
BP-31 0-1/2'	L1290342-18	Arsenic	1.59		0.103	1.03	5	12/02/2020 10:51	WG1585015
BP-31 0-1/2'	L1290342-18	Lead	1.73	J O1	0.102	2.07	5	12/02/2020 10:51	WG1585015
AG-1	L1290342-24	Arsenic	6.08		0.174	1.74	5	12/02/2020 11:10	WG1585015
AG-2	L1290342-25	Arsenic	3.82		0.121	1.21	5	12/02/2020 11:13	WG1585015
AG-3A	L1290342-26	Arsenic	8.10		0.105	1.05	5	12/02/2020 11:23	WG1585015
AG-3B	L1290342-27	Arsenic	7.00		0.104	1.04	5	12/02/2020 11:26	WG1585015
AG-4	L1290342-28	Arsenic	4.19		0.105	1.05	5	12/02/2020 11:29	WG1585015

Semi-Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
AG-1	L1290342-24	C22-C32 Hydrocarbons	63.1	J	23.1	69.6	10	12/02/2020 21:43	WG1585052
AG-1	L1290342-24	C32-C40 Hydrocarbons	110		23.1	69.6	10	12/02/2020 21:43	WG1585052
AG-2	L1290342-25	C22-C32 Hydrocarbons	29.9	J	16.0	48.3	10	12/02/2020 21:57	WG1585052
AG-2	L1290342-25	C32-C40 Hydrocarbons	51.0		16.0	48.3	10	12/02/2020 21:57	WG1585052
AG-3A	L1290342-26	C12-C22 Hydrocarbons	7.65	J	3.85	21.0	5	12/02/2020 21:14	WG1585052
AG-3A	L1290342-26	C22-C32 Hydrocarbons	30.9		6.97	21.0	5	12/02/2020 21:14	WG1585052
AG-3A	L1290342-26	C32-C40 Hydrocarbons	36.3		6.97	21.0	5	12/02/2020 21:14	WG1585052
AG-3B	L1290342-27	C12-C22 Hydrocarbons	7.38		0.766	4.18	1	12/03/2020 14:16	WG1585052
AG-3B	L1290342-27	C22-C32 Hydrocarbons	27.1		1.39	4.18	1	12/03/2020 14:16	WG1585052
AG-3B	L1290342-27	C32-C40 Hydrocarbons	29.6		1.39	4.18	1	12/03/2020 14:16	WG1585052
AG-4	L1290342-28	C12-C22 Hydrocarbons	11.8	J	7.70	42.0	10	12/03/2020 16:55	WG1585052
AG-4	L1290342-28	C22-C32 Hydrocarbons	137		14.0	42.0	10	12/03/2020 16:55	WG1585052
AG-4	L1290342-28	C32-C40 Hydrocarbons	229		14.0	42.0	10	12/03/2020 16:55	WG1585052

Pesticides (GC) by Method 8081

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BP-38 0-1/2'	L1290342-01	4,4-DDE	0.0704		0.00404	0.0221	1	12/03/2020 09:11	WG1585391
BP-38 0-1/2'	L1290342-01	4,4-DDT	0.0194	J	0.00692	0.0221	1	12/03/2020 09:11	WG1585391

Pesticides (GC) by Method 8081

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BP-40 0-1/2'	L1290342-05	4,4-DDE	0.0658		0.00395	0.0216	1	12/03/2020 10:10	WG1585391
BP-40 0-1/2'	L1290342-05	4,4-DDT	0.0135	J	0.00678	0.0216	1	12/03/2020 10:10	WG1585391
BP-41 0-1/2'	L1290342-07	4,4-DDE	0.0220	J	0.00411	0.0225	1	12/03/2020 10:39	WG1585391
BP-42 0-1/2'	L1290342-09	4,4-DDE	0.222		0.00411	0.0224	1	12/03/2020 11:09	WG1585391
BP-43 0-1/2'	L1290342-11	4,4-DDD	0.00682	J	0.00390	0.0211	1	12/03/2020 11:38	WG1585391
BP-43 0-1/2'	L1290342-11	4,4-DDE	0.150		0.00386	0.0211	1	12/03/2020 11:38	WG1585391
BP-43 0-1/2'	L1290342-11	4,4-DDT	0.106		0.00661	0.0211	1	12/03/2020 11:38	WG1585391
BP-43 4-4 1/2'	L1290342-12	4,4-DDE	0.0203	J	0.00432	0.0236	1	12/03/2020 11:53	WG1585391
BP-44 0-1/2'	L1290342-13	4,4-DDE	0.0652		0.00400	0.0218	1	12/03/2020 12:08	WG1585391
BP-44 0-1/2'	L1290342-13	4,4-DDT	0.0322		0.00685	0.0218	1	12/03/2020 12:08	WG1585391
BP-29 2-2 1/2'	L1290342-17	4,4-DDE	0.0197	J	0.00409	0.0224	1	12/03/2020 09:28	WG1584713
B-100SW	L1290342-20	4,4-DDE	0.0207	J	0.00448	0.0245	1	12/03/2020 10:01	WG1585394
B-100SE	L1290342-21	4,4-DDD	0.00751	J	0.00438	0.0237	1	12/03/2020 10:13	WG1585394
B-100SE	L1290342-21	4,4-DDE	0.0181	J	0.00434	0.0237	1	12/03/2020 10:13	WG1585394
AG-1	L1290342-24	4,4-DDE	0.0103	J	0.00637	0.0348	1	12/03/2020 10:50	WG1585394
AG-1	L1290342-24	Endrin aldehyde	0.0494		0.00590	0.0348	1	12/03/2020 10:50	WG1585394
AG-2	L1290342-25	4,4-DDE	0.0549		0.00442	0.0241	1	12/03/2020 11:03	WG1585394
AG-2	L1290342-25	4,4-DDT	0.0395	C5	0.00757	0.0241	1	12/03/2020 11:03	WG1585394
AG-3A	L1290342-26	4,4-DDE	0.0380		0.00384	0.0210	1	12/03/2020 11:15	WG1585394
AG-3B	L1290342-27	4,4-DDD	0.00492	J	0.00386	0.0209	1	12/03/2020 11:27	WG1585394
AG-3B	L1290342-27	4,4-DDE	0.0354		0.00382	0.0209	1	12/03/2020 11:27	WG1585394
AG-4	L1290342-28	4,4-DDE	0.0118	J	0.00384	0.0210	1	12/03/2020 11:40	WG1585394

Polychlorinated Biphenyls (GC) by Method 8082

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BP-31 0-1/2'	L1290342-18	PCB 1254	0.909		0.00762	0.0176	1	12/03/2020 11:55	WG1585391

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
AG-1	L1290342-24	Benzo(a)anthracene	0.00315	J	0.00301	0.0104	1	12/03/2020 16:14	WG1585386
AG-1	L1290342-24	Benzo(a)pyrene	0.00491	J	0.00311	0.0104	1	12/03/2020 16:14	WG1585386
AG-1	L1290342-24	Benzo(b)fluoranthene	0.00814	J	0.00266	0.0104	1	12/03/2020 16:14	WG1585386
AG-1	L1290342-24	Benzo(g,h,i)perylene	0.00682	J	0.00308	0.0104	1	12/03/2020 16:14	WG1585386
AG-1	L1290342-24	Chrysene	0.00457	J	0.00404	0.0104	1	12/03/2020 16:14	WG1585386
AG-1	L1290342-24	Fluoranthene	0.00776	J	0.00395	0.0104	1	12/03/2020 16:14	WG1585386
AG-1	L1290342-24	Indeno(1,2,3-cd)pyrene	0.00525	J	0.00315	0.0104	1	12/03/2020 16:14	WG1585386
AG-1	L1290342-24	Phenanthrene	0.00558	J	0.00402	0.0104	1	12/03/2020 16:14	WG1585386
AG-1	L1290342-24	Pyrene	0.00974	J	0.00348	0.0104	1	12/03/2020 16:14	WG1585386
AG-2	L1290342-25	Benzo(a)anthracene	0.00643	J	0.00209	0.00724	1	12/03/2020 13:37	WG1585386
AG-2	L1290342-25	Benzo(a)pyrene	0.0122		0.00216	0.00724	1	12/03/2020 13:37	WG1585386
AG-2	L1290342-25	Benzo(b)fluoranthene	0.0319		0.00185	0.00724	1	12/03/2020 13:37	WG1585386
AG-2	L1290342-25	Benzo(g,h,i)perylene	0.0176		0.00214	0.00724	1	12/03/2020 13:37	WG1585386
AG-2	L1290342-25	Benzo(k)fluoranthene	0.00833		0.00259	0.00724	1	12/03/2020 13:37	WG1585386
AG-2	L1290342-25	Chrysene	0.0162		0.00280	0.00724	1	12/03/2020 13:37	WG1585386
AG-2	L1290342-25	Dibenz(a,h)anthracene	0.00325	J	0.00208	0.00724	1	12/03/2020 13:37	WG1585386
AG-2	L1290342-25	Fluoranthene	0.0139		0.00274	0.00724	1	12/03/2020 13:37	WG1585386
AG-2	L1290342-25	Indeno(1,2,3-cd)pyrene	0.0171		0.00218	0.00724	1	12/03/2020 13:37	WG1585386
AG-2	L1290342-25	Phenanthrene	0.00475	J	0.00279	0.00724	1	12/03/2020 13:37	WG1585386
AG-2	L1290342-25	Pyrene	0.0118		0.00241	0.00724	1	12/03/2020 13:37	WG1585386
AG-3B	L1290342-27	Pyrene	0.00217	J	0.00209	0.00627	1	12/03/2020 14:55	WG1585386

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
AG-4	L1290342-28	Benzo(a)anthracene	0.00187	J	0.00182	0.00630	1	12/03/2020 15:15	WG1585386
AG-4	L1290342-28	Benzo(a)pyrene	0.00297	J	0.00188	0.00630	1	12/03/2020 15:15	WG1585386
AG-4	L1290342-28	Benzo(b)fluoranthene	0.00429	J	0.00161	0.00630	1	12/03/2020 15:15	WG1585386
AG-4	L1290342-28	Benzo(g,h,i)perylene	0.00358	J	0.00186	0.00630	1	12/03/2020 15:15	WG1585386
AG-4	L1290342-28	Chrysene	0.00279	J	0.00244	0.00630	1	12/03/2020 15:15	WG1585386
AG-4	L1290342-28	Fluoranthene	0.00338	J	0.00238	0.00630	1	12/03/2020 15:15	WG1585386
AG-4	L1290342-28	Indeno(1,2,3-cd)pyrene	0.00227	J	0.00190	0.00630	1	12/03/2020 15:15	WG1585386
AG-4	L1290342-28	Phenanthrene	0.00317	J	0.00243	0.00630	1	12/03/2020 15:15	WG1585386
AG-4	L1290342-28	Pyrene	0.00425	J	0.00210	0.00630	1	12/03/2020 15:15	WG1585386

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	12/02/2020 08:41	WG1585039

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	25.5		0.230	0.552	1	12/02/2020 15:56	WG1584955

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00415	0.0221	1	12/03/2020 09:11	WG1585391
Alpha BHC	U		0.00406	0.0221	1	12/03/2020 09:11	WG1585391
Beta BHC	U		0.00418	0.0221	1	12/03/2020 09:11	WG1585391
Delta BHC	U		0.00382	0.0221	1	12/03/2020 09:11	WG1585391
Gamma BHC	U		0.00380	0.0221	1	12/03/2020 09:11	WG1585391
4,4-DDD	U		0.00409	0.0221	1	12/03/2020 09:11	WG1585391
4,4-DDE	0.0704		0.00404	0.0221	1	12/03/2020 09:11	WG1585391
4,4-DDT	0.0194	J	0.00692	0.0221	1	12/03/2020 09:11	WG1585391
Dieldrin	U		0.00380	0.0221	1	12/03/2020 09:11	WG1585391
Endosulfan I	U		0.00401	0.0221	1	12/03/2020 09:11	WG1585391
Endosulfan II	U		0.00370	0.0221	1	12/03/2020 09:11	WG1585391
Endosulfan sulfate	U		0.00402	0.0221	1	12/03/2020 09:11	WG1585391
Endrin	U		0.00386	0.0221	1	12/03/2020 09:11	WG1585391
Endrin aldehyde	U		0.00374	0.0221	1	12/03/2020 09:11	WG1585391
Endrin ketone	U		0.00785	0.0221	1	12/03/2020 09:11	WG1585391
Heptachlor	U		0.00473	0.0221	1	12/03/2020 09:11	WG1585391
Heptachlor epoxide	U		0.00374	0.0221	1	12/03/2020 09:11	WG1585391
Hexachlorobenzene	U		0.00382	0.0221	1	12/03/2020 09:11	WG1585391
Methoxychlor	U		0.00534	0.0221	1	12/03/2020 09:11	WG1585391
Chlordane	U		0.114	0.331	1	12/03/2020 09:11	WG1585391
Toxaphene	U		0.137	0.442	1	12/03/2020 09:11	WG1585391
(S) Decachlorobiphenyl	*55.9*			*10.0-135*		*12/03/2020 09:11*	WG1585391
(S) Tetrachloro-m-xylene	*51.6*			*10.0-139*		*12/03/2020 09:11*	WG1585391

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0130	0.0375	1	12/03/2020 08:38	WG1585391
PCB 1221	U		0.0130	0.0375	1	12/03/2020 08:38	WG1585391
PCB 1232	U		0.0130	0.0375	1	12/03/2020 08:38	WG1585391
PCB 1242	U		0.0130	0.0375	1	12/03/2020 08:38	WG1585391
PCB 1248	U		0.00815	0.0188	1	12/03/2020 08:38	WG1585391
PCB 1254	U		0.00815	0.0188	1	12/03/2020 08:38	WG1585391
PCB 1260	U		0.00815	0.0188	1	12/03/2020 08:38	WG1585391
(S) Decachlorobiphenyl	*80.7*			*10.0-135*		*12/03/2020 08:38*	WG1585391
(S) Tetrachloro-m-xylene	*75.2*			*10.0-139*		*12/03/2020 08:38*	WG1585391

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.2		1	12/02/2020 08:41	WG1585039

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	5.19		0.219	0.525	1	12/02/2020 15:59	WG1584955

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00395	0.0210	1	12/03/2020 09:26	WG1585391
Alpha BHC	U		0.00387	0.0210	1	12/03/2020 09:26	WG1585391
Beta BHC	U		0.00398	0.0210	1	12/03/2020 09:26	WG1585391
Delta BHC	U		0.00364	0.0210	1	12/03/2020 09:26	WG1585391
Gamma BHC	U		0.00362	0.0210	1	12/03/2020 09:26	WG1585391
4,4-DDD	U		0.00389	0.0210	1	12/03/2020 09:26	WG1585391
4,4-DDE	U		0.00385	0.0210	1	12/03/2020 09:26	WG1585391
4,4-DDT	U		0.00659	0.0210	1	12/03/2020 09:26	WG1585391
Dieldrin	U		0.00362	0.0210	1	12/03/2020 09:26	WG1585391
Endosulfan I	U		0.00381	0.0210	1	12/03/2020 09:26	WG1585391
Endosulfan II	U		0.00352	0.0210	1	12/03/2020 09:26	WG1585391
Endosulfan sulfate	U		0.00383	0.0210	1	12/03/2020 09:26	WG1585391
Endrin	U		0.00368	0.0210	1	12/03/2020 09:26	WG1585391
Endrin aldehyde	U		0.00356	0.0210	1	12/03/2020 09:26	WG1585391
Endrin ketone	U		0.00747	0.0210	1	12/03/2020 09:26	WG1585391
Heptachlor	U		0.00450	0.0210	1	12/03/2020 09:26	WG1585391
Heptachlor epoxide	U		0.00356	0.0210	1	12/03/2020 09:26	WG1585391
Hexachlorobenzene	U		0.00364	0.0210	1	12/03/2020 09:26	WG1585391
Methoxychlor	U		0.00509	0.0210	1	12/03/2020 09:26	WG1585391
Chlordane	U		0.108	0.315	1	12/03/2020 09:26	WG1585391
Toxaphene	U		0.130	0.420	1	12/03/2020 09:26	WG1585391
(S) Decachlorobiphenyl	*65.7*			*10.0-135*		*12/03/2020 09:26*	WG1585391
(S) Tetrachloro-m-xylene	*59.8*			*10.0-139*		*12/03/2020 09:26*	WG1585391

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0124	0.0357	1	12/03/2020 10:48	WG1585391
PCB 1221	U		0.0124	0.0357	1	12/03/2020 10:48	WG1585391
PCB 1232	U		0.0124	0.0357	1	12/03/2020 10:48	WG1585391
PCB 1242	U		0.0124	0.0357	1	12/03/2020 10:48	WG1585391
PCB 1248	U		0.00776	0.0179	1	12/03/2020 10:48	WG1585391
PCB 1254	U		0.00776	0.0179	1	12/03/2020 10:48	WG1585391
PCB 1260	U		0.00776	0.0179	1	12/03/2020 10:48	WG1585391
(S) Decachlorobiphenyl	*140*	J1		*10.0-135*		*12/03/2020 10:48*	WG1585391
(S) Tetrachloro-m-xylene	*139*			*10.0-139*		*12/03/2020 10:48*	WG1585391

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.3		1	12/02/2020 08:41	WG1585039

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	1.79		0.214	0.514	1	12/02/2020 16:02	WG1584955

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00387	0.0206	1	12/03/2020 09:40	WG1585391
Alpha BHC	U		0.00378	0.0206	1	12/03/2020 09:40	WG1585391
Beta BHC	U		0.00390	0.0206	1	12/03/2020 09:40	WG1585391
Delta BHC	U		0.00356	0.0206	1	12/03/2020 09:40	WG1585391
Gamma BHC	U		0.00354	0.0206	1	12/03/2020 09:40	WG1585391
4,4-DDD	U		0.00380	0.0206	1	12/03/2020 09:40	WG1585391
4,4-DDE	U		0.00376	0.0206	1	12/03/2020 09:40	WG1585391
4,4-DDT	U		0.00645	0.0206	1	12/03/2020 09:40	WG1585391
Dieldrin	U		0.00354	0.0206	1	12/03/2020 09:40	WG1585391
Endosulfan I	U		0.00373	0.0206	1	12/03/2020 09:40	WG1585391
Endosulfan II	U		0.00344	0.0206	1	12/03/2020 09:40	WG1585391
Endosulfan sulfate	U		0.00374	0.0206	1	12/03/2020 09:40	WG1585391
Endrin	U		0.00360	0.0206	1	12/03/2020 09:40	WG1585391
Endrin aldehyde	U		0.00348	0.0206	1	12/03/2020 09:40	WG1585391
Endrin ketone	U		0.00731	0.0206	1	12/03/2020 09:40	WG1585391
Heptachlor	U		0.00440	0.0206	1	12/03/2020 09:40	WG1585391
Heptachlor epoxide	U		0.00348	0.0206	1	12/03/2020 09:40	WG1585391
Hexachlorobenzene	U		0.00356	0.0206	1	12/03/2020 09:40	WG1585391
Methoxychlor	U		0.00498	0.0206	1	12/03/2020 09:40	WG1585391
Chlordane	U		0.106	0.308	1	12/03/2020 09:40	WG1585391
Toxaphene	U		0.127	0.411	1	12/03/2020 09:40	WG1585391
(S) Decachlorobiphenyl	*71.1*			*10.0-135*		*12/03/2020 09:40*	WG1585391
(S) Tetrachloro-m-xylene	*69.5*			*10.0-139*		*12/03/2020 09:40*	WG1585391

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0121	0.0349	1	12/03/2020 09:00	WG1585391
PCB 1221	U		0.0121	0.0349	1	12/03/2020 09:00	WG1585391
PCB 1232	U		0.0121	0.0349	1	12/03/2020 09:00	WG1585391
PCB 1242	U		0.0121	0.0349	1	12/03/2020 09:00	WG1585391
PCB 1248	U		0.00759	0.0175	1	12/03/2020 09:00	WG1585391
PCB 1254	U		0.00759	0.0175	1	12/03/2020 09:00	WG1585391
PCB 1260	U		0.00759	0.0175	1	12/03/2020 09:00	WG1585391
(S) Decachlorobiphenyl	*167*	J1		*10.0-135*		*12/03/2020 09:00*	WG1585391
(S) Tetrachloro-m-xylene	*170*	J1		*10.0-139*		*12/03/2020 09:00*	WG1585391

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	12/02/2020 08:41	WG1585039

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	7.19		0.231	0.556	1	12/02/2020 16:10	WG1584955

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00418	0.0222	1	12/03/2020 09:55	WG1585391
Alpha BHC	U		0.00409	0.0222	1	12/03/2020 09:55	WG1585391
Beta BHC	U		0.00421	0.0222	1	12/03/2020 09:55	WG1585391
Delta BHC	U		0.00385	0.0222	1	12/03/2020 09:55	WG1585391
Gamma BHC	U		0.00382	0.0222	1	12/03/2020 09:55	WG1585391
4,4-DDD	U		0.00411	0.0222	1	12/03/2020 09:55	WG1585391
4,4-DDE	U		0.00407	0.0222	1	12/03/2020 09:55	WG1585391
4,4-DDT	U		0.00697	0.0222	1	12/03/2020 09:55	WG1585391
Dieldrin	U		0.00382	0.0222	1	12/03/2020 09:55	WG1585391
Endosulfan I	U		0.00403	0.0222	1	12/03/2020 09:55	WG1585391
Endosulfan II	U		0.00372	0.0222	1	12/03/2020 09:55	WG1585391
Endosulfan sulfate	U		0.00405	0.0222	1	12/03/2020 09:55	WG1585391
Endrin	U		0.00389	0.0222	1	12/03/2020 09:55	WG1585391
Endrin aldehyde	U		0.00377	0.0222	1	12/03/2020 09:55	WG1585391
Endrin ketone	U		0.00790	0.0222	1	12/03/2020 09:55	WG1585391
Heptachlor	U		0.00476	0.0222	1	12/03/2020 09:55	WG1585391
Heptachlor epoxide	U		0.00377	0.0222	1	12/03/2020 09:55	WG1585391
Hexachlorobenzene	U		0.00385	0.0222	1	12/03/2020 09:55	WG1585391
Methoxychlor	U		0.00538	0.0222	1	12/03/2020 09:55	WG1585391
Chlordane	U		0.114	0.333	1	12/03/2020 09:55	WG1585391
Toxaphene	U		0.138	0.445	1	12/03/2020 09:55	WG1585391
(S) Decachlorobiphenyl	*66.7*			*10.0-135*		*12/03/2020 09:55*	WG1585391
(S) Tetrachloro-m-xylene	*63.7*			*10.0-139*		*12/03/2020 09:55*	WG1585391

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0131	0.0378	1	12/03/2020 10:58	WG1585391
PCB 1221	U		0.0131	0.0378	1	12/03/2020 10:58	WG1585391
PCB 1232	U		0.0131	0.0378	1	12/03/2020 10:58	WG1585391
PCB 1242	U		0.0131	0.0378	1	12/03/2020 10:58	WG1585391
PCB 1248	U		0.00820	0.0189	1	12/03/2020 10:58	WG1585391
PCB 1254	U		0.00820	0.0189	1	12/03/2020 10:58	WG1585391
PCB 1260	U		0.00820	0.0189	1	12/03/2020 10:58	WG1585391
(S) Decachlorobiphenyl	*77.0*			*10.0-135*		*12/03/2020 10:58*	WG1585391
(S) Tetrachloro-m-xylene	*80.7*			*10.0-139*		*12/03/2020 10:58*	WG1585391

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	12/02/2020 08:41	WG1585039

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	12.5		0.225	0.540	1	12/02/2020 16:13	WG1584955

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00406	0.0216	1	12/03/2020 10:10	WG1585391
Alpha BHC	U		0.00398	0.0216	1	12/03/2020 10:10	WG1585391
Beta BHC	U		0.00410	0.0216	1	12/03/2020 10:10	WG1585391
Delta BHC	U		0.00374	0.0216	1	12/03/2020 10:10	WG1585391
Gamma BHC	U		0.00372	0.0216	1	12/03/2020 10:10	WG1585391
4,4-DDD	U		0.00400	0.0216	1	12/03/2020 10:10	WG1585391
4,4-DDE	0.0658		0.00395	0.0216	1	12/03/2020 10:10	WG1585391
4,4-DDT	0.0135	J	0.00678	0.0216	1	12/03/2020 10:10	WG1585391
Dieldrin	U		0.00372	0.0216	1	12/03/2020 10:10	WG1585391
Endosulfan I	U		0.00392	0.0216	1	12/03/2020 10:10	WG1585391
Endosulfan II	U		0.00362	0.0216	1	12/03/2020 10:10	WG1585391
Endosulfan sulfate	U		0.00393	0.0216	1	12/03/2020 10:10	WG1585391
Endrin	U		0.00378	0.0216	1	12/03/2020 10:10	WG1585391
Endrin aldehyde	U		0.00366	0.0216	1	12/03/2020 10:10	WG1585391
Endrin ketone	U		0.00768	0.0216	1	12/03/2020 10:10	WG1585391
Heptachlor	U		0.00462	0.0216	1	12/03/2020 10:10	WG1585391
Heptachlor epoxide	U		0.00366	0.0216	1	12/03/2020 10:10	WG1585391
Hexachlorobenzene	U		0.00374	0.0216	1	12/03/2020 10:10	WG1585391
Methoxychlor	U		0.00523	0.0216	1	12/03/2020 10:10	WG1585391
Chlordane	U		0.111	0.324	1	12/03/2020 10:10	WG1585391
Toxaphene	U		0.134	0.432	1	12/03/2020 10:10	WG1585391
(S) Decachlorobiphenyl	*58.7*			*10.0-135*		*12/03/2020 10:10*	WG1585391
(S) Tetrachloro-m-xylene	*62.6*			*10.0-139*		*12/03/2020 10:10*	WG1585391

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0128	0.0367	1	12/03/2020 09:23	WG1585391
PCB 1221	U		0.0128	0.0367	1	12/03/2020 09:23	WG1585391
PCB 1232	U		0.0128	0.0367	1	12/03/2020 09:23	WG1585391
PCB 1242	U		0.0128	0.0367	1	12/03/2020 09:23	WG1585391
PCB 1248	U		0.00797	0.0184	1	12/03/2020 09:23	WG1585391
PCB 1254	U		0.00797	0.0184	1	12/03/2020 09:23	WG1585391
PCB 1260	U		0.00797	0.0184	1	12/03/2020 09:23	WG1585391
(S) Decachlorobiphenyl	*90.3*			*10.0-135*		*12/03/2020 09:23*	WG1585391
(S) Tetrachloro-m-xylene	*85.7*			*10.0-139*		*12/03/2020 09:23*	WG1585391

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	12/02/2020 08:41	WG1585039

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	7.42		0.241	0.579	1	12/02/2020 16:16	WG1584955

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00435	0.0231	1	12/03/2020 10:24	WG1585391
Alpha BHC	U		0.00426	0.0231	1	12/03/2020 10:24	WG1585391
Beta BHC	U		0.00439	0.0231	1	12/03/2020 10:24	WG1585391
Delta BHC	U		0.00400	0.0231	1	12/03/2020 10:24	WG1585391
Gamma BHC	U		0.00398	0.0231	1	12/03/2020 10:24	WG1585391
4,4-DDD	U		0.00428	0.0231	1	12/03/2020 10:24	WG1585391
4,4-DDE	U		0.00424	0.0231	1	12/03/2020 10:24	WG1585391
4,4-DDT	U		0.00726	0.0231	1	12/03/2020 10:24	WG1585391
Dieldrin	U		0.00398	0.0231	1	12/03/2020 10:24	WG1585391
Endosulfan I	U		0.00420	0.0231	1	12/03/2020 10:24	WG1585391
Endosulfan II	U		0.00388	0.0231	1	12/03/2020 10:24	WG1585391
Endosulfan sulfate	U		0.00421	0.0231	1	12/03/2020 10:24	WG1585391
Endrin	U		0.00405	0.0231	1	12/03/2020 10:24	WG1585391
Endrin aldehyde	U		0.00392	0.0231	1	12/03/2020 10:24	WG1585391
Endrin ketone	U		0.00823	0.0231	1	12/03/2020 10:24	WG1585391
Heptachlor	U		0.00495	0.0231	1	12/03/2020 10:24	WG1585391
Heptachlor epoxide	U		0.00392	0.0231	1	12/03/2020 10:24	WG1585391
Hexachlorobenzene	U		0.00400	0.0231	1	12/03/2020 10:24	WG1585391
Methoxychlor	U		0.00560	0.0231	1	12/03/2020 10:24	WG1585391
Chlordane	U		0.119	0.347	1	12/03/2020 10:24	WG1585391
Toxaphene	U		0.144	0.463	1	12/03/2020 10:24	WG1585391
(S) Decachlorobiphenyl	*59.6*			*10.0-135*		*12/03/2020 10:24*	WG1585391
(S) Tetrachloro-m-xylene	*60.5*			*10.0-139*		*12/03/2020 10:24*	WG1585391

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0137	0.0394	1	12/03/2020 12:39	WG1585391
PCB 1221	U		0.0137	0.0394	1	12/03/2020 12:39	WG1585391
PCB 1232	U		0.0137	0.0394	1	12/03/2020 12:39	WG1585391
PCB 1242	U		0.0137	0.0394	1	12/03/2020 12:39	WG1585391
PCB 1248	U		0.00854	0.0197	1	12/03/2020 12:39	WG1585391
PCB 1254	U		0.00854	0.0197	1	12/03/2020 12:39	WG1585391
PCB 1260	U		0.00854	0.0197	1	12/03/2020 12:39	WG1585391
(S) Decachlorobiphenyl	*71.3*			*10.0-135*		*12/03/2020 12:39*	WG1585391
(S) Tetrachloro-m-xylene	*79.4*			*10.0-139*		*12/03/2020 12:39*	WG1585391

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.1		1	12/02/2020 08:41	WG1585039

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	9.29		0.234	0.561	1	12/02/2020 16:19	WG1584955

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00422	0.0225	1	12/03/2020 10:39	WG1585391
Alpha BHC	U		0.00413	0.0225	1	12/03/2020 10:39	WG1585391
Beta BHC	U		0.00426	0.0225	1	12/03/2020 10:39	WG1585391
Delta BHC	U		0.00389	0.0225	1	12/03/2020 10:39	WG1585391
Gamma BHC	U		0.00386	0.0225	1	12/03/2020 10:39	WG1585391
4,4-DDD	U		0.00415	0.0225	1	12/03/2020 10:39	WG1585391
4,4-DDE	0.0220	J	0.00411	0.0225	1	12/03/2020 10:39	WG1585391
4,4-DDT	U		0.00704	0.0225	1	12/03/2020 10:39	WG1585391
Dieldrin	U		0.00386	0.0225	1	12/03/2020 10:39	WG1585391
Endosulfan I	U		0.00408	0.0225	1	12/03/2020 10:39	WG1585391
Endosulfan II	U		0.00376	0.0225	1	12/03/2020 10:39	WG1585391
Endosulfan sulfate	U		0.00409	0.0225	1	12/03/2020 10:39	WG1585391
Endrin	U		0.00393	0.0225	1	12/03/2020 10:39	WG1585391
Endrin aldehyde	U		0.00381	0.0225	1	12/03/2020 10:39	WG1585391
Endrin ketone	U		0.00798	0.0225	1	12/03/2020 10:39	WG1585391
Heptachlor	U		0.00481	0.0225	1	12/03/2020 10:39	WG1585391
Heptachlor epoxide	U		0.00381	0.0225	1	12/03/2020 10:39	WG1585391
Hexachlorobenzene	U		0.00389	0.0225	1	12/03/2020 10:39	WG1585391
Methoxychlor	U		0.00543	0.0225	1	12/03/2020 10:39	WG1585391
Chlordane	U		0.116	0.337	1	12/03/2020 10:39	WG1585391
Toxaphene	U		0.139	0.449	1	12/03/2020 10:39	WG1585391
(S) Decachlorobiphenyl	*57.1*			*10.0-135*		*12/03/2020 10:39*	WG1585391
(S) Tetrachloro-m-xylene	*63.5*			*10.0-139*		*12/03/2020 10:39*	WG1585391

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0133	0.0382	1	12/03/2020 12:50	WG1585391
PCB 1221	U		0.0133	0.0382	1	12/03/2020 12:50	WG1585391
PCB 1232	U		0.0133	0.0382	1	12/03/2020 12:50	WG1585391
PCB 1242	U		0.0133	0.0382	1	12/03/2020 12:50	WG1585391
PCB 1248	U		0.00829	0.0191	1	12/03/2020 12:50	WG1585391
PCB 1254	U		0.00829	0.0191	1	12/03/2020 12:50	WG1585391
PCB 1260	U		0.00829	0.0191	1	12/03/2020 12:50	WG1585391
(S) Decachlorobiphenyl	*76.8*			*10.0-135*		*12/03/2020 12:50*	WG1585391
(S) Tetrachloro-m-xylene	*84.1*			*10.0-139*		*12/03/2020 12:50*	WG1585391

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.3		1	12/02/2020 08:41	WG1585039

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	6.01		0.223	0.536	1	12/02/2020 16:22	WG1584955

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00403	0.0214	1	12/03/2020 10:54	WG1585391
Alpha BHC	U		0.00395	0.0214	1	12/03/2020 10:54	WG1585391
Beta BHC	U		0.00406	0.0214	1	12/03/2020 10:54	WG1585391
Delta BHC	U		0.00371	0.0214	1	12/03/2020 10:54	WG1585391
Gamma BHC	U		0.00369	0.0214	1	12/03/2020 10:54	WG1585391
4,4-DDD	U		0.00397	0.0214	1	12/03/2020 10:54	WG1585391
4,4-DDE	U		0.00392	0.0214	1	12/03/2020 10:54	WG1585391
4,4-DDT	U		0.00672	0.0214	1	12/03/2020 10:54	WG1585391
Dieldrin	U		0.00369	0.0214	1	12/03/2020 10:54	WG1585391
Endosulfan I	U		0.00389	0.0214	1	12/03/2020 10:54	WG1585391
Endosulfan II	U		0.00359	0.0214	1	12/03/2020 10:54	WG1585391
Endosulfan sulfate	U		0.00390	0.0214	1	12/03/2020 10:54	WG1585391
Endrin	U		0.00375	0.0214	1	12/03/2020 10:54	WG1585391
Endrin aldehyde	U		0.00363	0.0214	1	12/03/2020 10:54	WG1585391
Endrin ketone	U		0.00762	0.0214	1	12/03/2020 10:54	WG1585391
Heptachlor	U		0.00459	0.0214	1	12/03/2020 10:54	WG1585391
Heptachlor epoxide	U		0.00363	0.0214	1	12/03/2020 10:54	WG1585391
Hexachlorobenzene	U		0.00371	0.0214	1	12/03/2020 10:54	WG1585391
Methoxychlor	U		0.00519	0.0214	1	12/03/2020 10:54	WG1585391
Chlordane	U		0.110	0.322	1	12/03/2020 10:54	WG1585391
Toxaphene	U		0.133	0.429	1	12/03/2020 10:54	WG1585391
(S) Decachlorobiphenyl	*54.8*			*10.0-135*		*12/03/2020 10:54*	WG1585391
(S) Tetrachloro-m-xylene	*60.0*			*10.0-139*		*12/03/2020 10:54*	WG1585391

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0127	0.0365	1	12/03/2020 13:00	WG1585391
PCB 1221	U		0.0127	0.0365	1	12/03/2020 13:00	WG1585391
PCB 1232	U		0.0127	0.0365	1	12/03/2020 13:00	WG1585391
PCB 1242	U		0.0127	0.0365	1	12/03/2020 13:00	WG1585391
PCB 1248	U		0.00791	0.0182	1	12/03/2020 13:00	WG1585391
PCB 1254	U		0.00791	0.0182	1	12/03/2020 13:00	WG1585391
PCB 1260	U		0.00791	0.0182	1	12/03/2020 13:00	WG1585391
(S) Decachlorobiphenyl	*75.7*			*10.0-135*		*12/03/2020 13:00*	WG1585391
(S) Tetrachloro-m-xylene	*84.5*			*10.0-139*		*12/03/2020 13:00*	WG1585391

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.1		1	12/02/2020 13:18	WG1585040

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	12.8		0.233	0.561	1	12/02/2020 16:25	WG1584955

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00422	0.0224	1	12/03/2020 11:09	WG1585391
Alpha BHC	U		0.00413	0.0224	1	12/03/2020 11:09	WG1585391
Beta BHC	U		0.00425	0.0224	1	12/03/2020 11:09	WG1585391
Delta BHC	U		0.00388	0.0224	1	12/03/2020 11:09	WG1585391
Gamma BHC	U		0.00386	0.0224	1	12/03/2020 11:09	WG1585391
4,4-DDD	U		0.00415	0.0224	1	12/03/2020 11:09	WG1585391
4,4-DDE	0.222		0.00411	0.0224	1	12/03/2020 11:09	WG1585391
4,4-DDT	U		0.00703	0.0224	1	12/03/2020 11:09	WG1585391
Dieldrin	U		0.00386	0.0224	1	12/03/2020 11:09	WG1585391
Endosulfan I	U		0.00407	0.0224	1	12/03/2020 11:09	WG1585391
Endosulfan II	U		0.00376	0.0224	1	12/03/2020 11:09	WG1585391
Endosulfan sulfate	U		0.00408	0.0224	1	12/03/2020 11:09	WG1585391
Endrin	U		0.00393	0.0224	1	12/03/2020 11:09	WG1585391
Endrin aldehyde	U		0.00380	0.0224	1	12/03/2020 11:09	WG1585391
Endrin ketone	U		0.00798	0.0224	1	12/03/2020 11:09	WG1585391
Heptachlor	U		0.00480	0.0224	1	12/03/2020 11:09	WG1585391
Heptachlor epoxide	U		0.00380	0.0224	1	12/03/2020 11:09	WG1585391
Hexachlorobenzene	U		0.00388	0.0224	1	12/03/2020 11:09	WG1585391
Methoxychlor	U		0.00543	0.0224	1	12/03/2020 11:09	WG1585391
Chlordane	U		0.116	0.337	1	12/03/2020 11:09	WG1585391
Toxaphene	U		0.139	0.449	1	12/03/2020 11:09	WG1585391
(S) Decachlorobiphenyl	*50.3*			*10.0-135*		*12/03/2020 11:09*	WG1585391
(S) Tetrachloro-m-xylene	*56.7*			*10.0-139*		*12/03/2020 11:09*	WG1585391

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0132	0.0381	1	12/03/2020 10:05	WG1585391
PCB 1221	U		0.0132	0.0381	1	12/03/2020 10:05	WG1585391
PCB 1232	U		0.0132	0.0381	1	12/03/2020 10:05	WG1585391
PCB 1242	U		0.0132	0.0381	1	12/03/2020 10:05	WG1585391
PCB 1248	U		0.00828	0.0191	1	12/03/2020 10:05	WG1585391
PCB 1254	U		0.00828	0.0191	1	12/03/2020 10:05	WG1585391
PCB 1260	U		0.00828	0.0191	1	12/03/2020 10:05	WG1585391
(S) Decachlorobiphenyl	*70.6*			*10.0-135*		*12/03/2020 10:05*	WG1585391
(S) Tetrachloro-m-xylene	*68.4*			*10.0-139*		*12/03/2020 10:05*	WG1585391

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	12/02/2020 13:18	WG1585040

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	6.12		0.232	0.559	1	12/02/2020 16:28	WG1584955

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00420	0.0224	1	12/03/2020 11:23	WG1585391
Alpha BHC	U		0.00411	0.0224	1	12/03/2020 11:23	WG1585391
Beta BHC	U		0.00424	0.0224	1	12/03/2020 11:23	WG1585391
Delta BHC	U		0.00387	0.0224	1	12/03/2020 11:23	WG1585391
Gamma BHC	U		0.00384	0.0224	1	12/03/2020 11:23	WG1585391
4,4-DDD	U		0.00414	0.0224	1	12/03/2020 11:23	WG1585391
4,4-DDE	U		0.00409	0.0224	1	12/03/2020 11:23	WG1585391
4,4-DDT	U		0.00701	0.0224	1	12/03/2020 11:23	WG1585391
Dieldrin	U		0.00384	0.0224	1	12/03/2020 11:23	WG1585391
Endosulfan I	U		0.00406	0.0224	1	12/03/2020 11:23	WG1585391
Endosulfan II	U		0.00374	0.0224	1	12/03/2020 11:23	WG1585391
Endosulfan sulfate	U		0.00407	0.0224	1	12/03/2020 11:23	WG1585391
Endrin	U		0.00391	0.0224	1	12/03/2020 11:23	WG1585391
Endrin aldehyde	U		0.00379	0.0224	1	12/03/2020 11:23	WG1585391
Endrin ketone	U		0.00795	0.0224	1	12/03/2020 11:23	WG1585391
Heptachlor	U		0.00478	0.0224	1	12/03/2020 11:23	WG1585391
Heptachlor epoxide	U		0.00379	0.0224	1	12/03/2020 11:23	WG1585391
Hexachlorobenzene	U		0.00387	0.0224	1	12/03/2020 11:23	WG1585391
Methoxychlor	U		0.00541	0.0224	1	12/03/2020 11:23	WG1585391
Chlordane	U		0.115	0.335	1	12/03/2020 11:23	WG1585391
Toxaphene	U		0.139	0.447	1	12/03/2020 11:23	WG1585391
(S) Decachlorobiphenyl	*57.5*			*10.0-135*		*12/03/2020 11:23*	WG1585391
(S) Tetrachloro-m-xylene	*64.6*			*10.0-139*		*12/03/2020 11:23*	WG1585391

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0132	0.0380	1	12/03/2020 10:16	WG1585391
PCB 1221	U		0.0132	0.0380	1	12/03/2020 10:16	WG1585391
PCB 1232	U		0.0132	0.0380	1	12/03/2020 10:16	WG1585391
PCB 1242	U		0.0132	0.0380	1	12/03/2020 10:16	WG1585391
PCB 1248	U		0.00825	0.0190	1	12/03/2020 10:16	WG1585391
PCB 1254	U		0.00825	0.0190	1	12/03/2020 10:16	WG1585391
PCB 1260	U		0.00825	0.0190	1	12/03/2020 10:16	WG1585391
(S) Decachlorobiphenyl	*81.3*			*10.0-135*		*12/03/2020 10:16*	WG1585391
(S) Tetrachloro-m-xylene	*84.6*			*10.0-139*		*12/03/2020 10:16*	WG1585391

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.9		1	12/02/2020 13:18	WG1585040

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	15.4		0.219	0.527	1	12/02/2020 16:30	WG1584955

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00396	0.0211	1	12/03/2020 11:38	WG1585391
Alpha BHC	U		0.00388	0.0211	1	12/03/2020 11:38	WG1585391
Beta BHC	U		0.00399	0.0211	1	12/03/2020 11:38	WG1585391
Delta BHC	U		0.00365	0.0211	1	12/03/2020 11:38	WG1585391
Gamma BHC	U		0.00363	0.0211	1	12/03/2020 11:38	WG1585391
4,4-DDD	0.00682	J	0.00390	0.0211	1	12/03/2020 11:38	WG1585391
4,4-DDE	0.150		0.00386	0.0211	1	12/03/2020 11:38	WG1585391
4,4-DDT	0.106		0.00661	0.0211	1	12/03/2020 11:38	WG1585391
Dieldrin	U		0.00363	0.0211	1	12/03/2020 11:38	WG1585391
Endosulfan I	U		0.00383	0.0211	1	12/03/2020 11:38	WG1585391
Endosulfan II	U		0.00353	0.0211	1	12/03/2020 11:38	WG1585391
Endosulfan sulfate	U		0.00384	0.0211	1	12/03/2020 11:38	WG1585391
Endrin	U		0.00369	0.0211	1	12/03/2020 11:38	WG1585391
Endrin aldehyde	U		0.00357	0.0211	1	12/03/2020 11:38	WG1585391
Endrin ketone	U		0.00749	0.0211	1	12/03/2020 11:38	WG1585391
Heptachlor	U		0.00451	0.0211	1	12/03/2020 11:38	WG1585391
Heptachlor epoxide	U		0.00357	0.0211	1	12/03/2020 11:38	WG1585391
Hexachlorobenzene	U		0.00365	0.0211	1	12/03/2020 11:38	WG1585391
Methoxychlor	U		0.00510	0.0211	1	12/03/2020 11:38	WG1585391
Chlordane	U		0.109	0.316	1	12/03/2020 11:38	WG1585391
Toxaphene	U		0.131	0.422	1	12/03/2020 11:38	WG1585391
(S) Decachlorobiphenyl	*68.0*			*10.0-135*		*12/03/2020 11:38*	WG1585391
(S) Tetrachloro-m-xylene	*74.0*			*10.0-139*		*12/03/2020 11:38*	WG1585391

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0124	0.0358	1	12/03/2020 10:26	WG1585391
PCB 1221	U		0.0124	0.0358	1	12/03/2020 10:26	WG1585391
PCB 1232	U		0.0124	0.0358	1	12/03/2020 10:26	WG1585391
PCB 1242	U		0.0124	0.0358	1	12/03/2020 10:26	WG1585391
PCB 1248	U		0.00778	0.0179	1	12/03/2020 10:26	WG1585391
PCB 1254	U		0.00778	0.0179	1	12/03/2020 10:26	WG1585391
PCB 1260	U		0.00778	0.0179	1	12/03/2020 10:26	WG1585391
(S) Decachlorobiphenyl	*77.9*			*10.0-135*		*12/03/2020 10:26*	WG1585391
(S) Tetrachloro-m-xylene	*76.3*			*10.0-139*		*12/03/2020 10:26*	WG1585391

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.7		1	12/02/2020 13:18	WG1585040

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	7.45		0.246	0.590	1	12/02/2020 16:33	WG1584955

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00444	0.0236	1	12/03/2020 11:53	WG1585391
Alpha BHC	U		0.00435	0.0236	1	12/03/2020 11:53	WG1585391
Beta BHC	U		0.00448	0.0236	1	12/03/2020 11:53	WG1585391
Delta BHC	U		0.00409	0.0236	1	12/03/2020 11:53	WG1585391
Gamma BHC	U		0.00406	0.0236	1	12/03/2020 11:53	WG1585391
4,4-DDD	U		0.00437	0.0236	1	12/03/2020 11:53	WG1585391
4,4-DDE	0.0203	J	0.00432	0.0236	1	12/03/2020 11:53	WG1585391
4,4-DDT	U		0.00740	0.0236	1	12/03/2020 11:53	WG1585391
Dieldrin	U		0.00406	0.0236	1	12/03/2020 11:53	WG1585391
Endosulfan I	U		0.00429	0.0236	1	12/03/2020 11:53	WG1585391
Endosulfan II	U		0.00396	0.0236	1	12/03/2020 11:53	WG1585391
Endosulfan sulfate	U		0.00430	0.0236	1	12/03/2020 11:53	WG1585391
Endrin	U		0.00413	0.0236	1	12/03/2020 11:53	WG1585391
Endrin aldehyde	U		0.00400	0.0236	1	12/03/2020 11:53	WG1585391
Endrin ketone	U		0.00840	0.0236	1	12/03/2020 11:53	WG1585391
Heptachlor	U		0.00505	0.0236	1	12/03/2020 11:53	WG1585391
Heptachlor epoxide	U		0.00400	0.0236	1	12/03/2020 11:53	WG1585391
Hexachlorobenzene	U		0.00409	0.0236	1	12/03/2020 11:53	WG1585391
Methoxychlor	U		0.00571	0.0236	1	12/03/2020 11:53	WG1585391
Chlordane	U		0.122	0.354	1	12/03/2020 11:53	WG1585391
Toxaphene	U		0.146	0.472	1	12/03/2020 11:53	WG1585391
(S) Decachlorobiphenyl	*52.9*			*10.0-135*		*12/03/2020 11:53*	WG1585391
(S) Tetrachloro-m-xylene	*56.3*			*10.0-139*		*12/03/2020 11:53*	WG1585391

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0139	0.0401	1	12/03/2020 10:37	WG1585391
PCB 1221	U		0.0139	0.0401	1	12/03/2020 10:37	WG1585391
PCB 1232	U		0.0139	0.0401	1	12/03/2020 10:37	WG1585391
PCB 1242	U		0.0139	0.0401	1	12/03/2020 10:37	WG1585391
PCB 1248	U		0.00871	0.0201	1	12/03/2020 10:37	WG1585391
PCB 1254	U		0.00871	0.0201	1	12/03/2020 10:37	WG1585391
PCB 1260	U		0.00871	0.0201	1	12/03/2020 10:37	WG1585391
(S) Decachlorobiphenyl	*72.7*			*10.0-135*		*12/03/2020 10:37*	WG1585391
(S) Tetrachloro-m-xylene	*76.5*			*10.0-139*		*12/03/2020 10:37*	WG1585391

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	12/02/2020 13:18	WG1585040

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	15.4		0.227	0.546	1	12/02/2020 16:36	WG1584955

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00411	0.0218	1	12/03/2020 12:08	WG1585391
Alpha BHC	U		0.00402	0.0218	1	12/03/2020 12:08	WG1585391
Beta BHC	U		0.00414	0.0218	1	12/03/2020 12:08	WG1585391
Delta BHC	U		0.00378	0.0218	1	12/03/2020 12:08	WG1585391
Gamma BHC	U		0.00376	0.0218	1	12/03/2020 12:08	WG1585391
4,4-DDD	U		0.00404	0.0218	1	12/03/2020 12:08	WG1585391
4,4-DDE	0.0652		0.00400	0.0218	1	12/03/2020 12:08	WG1585391
4,4-DDT	0.0322		0.00685	0.0218	1	12/03/2020 12:08	WG1585391
Dieldrin	U		0.00376	0.0218	1	12/03/2020 12:08	WG1585391
Endosulfan I	U		0.00397	0.0218	1	12/03/2020 12:08	WG1585391
Endosulfan II	U		0.00366	0.0218	1	12/03/2020 12:08	WG1585391
Endosulfan sulfate	U		0.00398	0.0218	1	12/03/2020 12:08	WG1585391
Endrin	U		0.00382	0.0218	1	12/03/2020 12:08	WG1585391
Endrin aldehyde	U		0.00370	0.0218	1	12/03/2020 12:08	WG1585391
Endrin ketone	U		0.00777	0.0218	1	12/03/2020 12:08	WG1585391
Heptachlor	U		0.00468	0.0218	1	12/03/2020 12:08	WG1585391
Heptachlor epoxide	U		0.00370	0.0218	1	12/03/2020 12:08	WG1585391
Hexachlorobenzene	U		0.00378	0.0218	1	12/03/2020 12:08	WG1585391
Methoxychlor	U		0.00529	0.0218	1	12/03/2020 12:08	WG1585391
Chlordane	U		0.113	0.328	1	12/03/2020 12:08	WG1585391
Toxaphene	U		0.135	0.437	1	12/03/2020 12:08	WG1585391
(S) Decachlorobiphenyl	*60.1*			*10.0-135*		*12/03/2020 12:08*	WG1585391
(S) Tetrachloro-m-xylene	*63.9*			*10.0-139*		*12/03/2020 12:08*	WG1585391

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0129	0.0371	1	12/03/2020 11:09	WG1585391
PCB 1221	U		0.0129	0.0371	1	12/03/2020 11:09	WG1585391
PCB 1232	U		0.0129	0.0371	1	12/03/2020 11:09	WG1585391
PCB 1242	U		0.0129	0.0371	1	12/03/2020 11:09	WG1585391
PCB 1248	U		0.00806	0.0186	1	12/03/2020 11:09	WG1585391
PCB 1254	U		0.00806	0.0186	1	12/03/2020 11:09	WG1585391
PCB 1260	U		0.00806	0.0186	1	12/03/2020 11:09	WG1585391
(S) Decachlorobiphenyl	*79.9*			*10.0-135*		*12/03/2020 11:09*	WG1585391
(S) Tetrachloro-m-xylene	*82.2*			*10.0-139*		*12/03/2020 11:09*	WG1585391

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.2		1	12/02/2020 13:18	WG1585040

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	6.75		0.223	0.537	1	12/02/2020 15:43	WG1584955

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00403	0.0215	1	12/03/2020 12:22	WG1585391
Alpha BHC	U		0.00395	0.0215	1	12/03/2020 12:22	WG1585391
Beta BHC	U		0.00407	0.0215	1	12/03/2020 12:22	WG1585391
Delta BHC	U		0.00371	0.0215	1	12/03/2020 12:22	WG1585391
Gamma BHC	U		0.00369	0.0215	1	12/03/2020 12:22	WG1585391
4,4-DDD	U		0.00397	0.0215	1	12/03/2020 12:22	WG1585391
4,4-DDE	U		0.00393	0.0215	1	12/03/2020 12:22	WG1585391
4,4-DDT	U		0.00673	0.0215	1	12/03/2020 12:22	WG1585391
Dieldrin	U		0.00369	0.0215	1	12/03/2020 12:22	WG1585391
Endosulfan I	U		0.00390	0.0215	1	12/03/2020 12:22	WG1585391
Endosulfan II	U		0.00359	0.0215	1	12/03/2020 12:22	WG1585391
Endosulfan sulfate	U		0.00391	0.0215	1	12/03/2020 12:22	WG1585391
Endrin	U		0.00376	0.0215	1	12/03/2020 12:22	WG1585391
Endrin aldehyde	U		0.00364	0.0215	1	12/03/2020 12:22	WG1585391
Endrin ketone	U		0.00763	0.0215	1	12/03/2020 12:22	WG1585391
Heptachlor	U		0.00459	0.0215	1	12/03/2020 12:22	WG1585391
Heptachlor epoxide	U		0.00364	0.0215	1	12/03/2020 12:22	WG1585391
Hexachlorobenzene	U		0.00371	0.0215	1	12/03/2020 12:22	WG1585391
Methoxychlor	U		0.00519	0.0215	1	12/03/2020 12:22	WG1585391
Chlordane	U		0.111	0.322	1	12/03/2020 12:22	WG1585391
Toxaphene	U		0.133	0.429	1	12/03/2020 12:22	WG1585391
(S) Decachlorobiphenyl	*69.3*			*10.0-135*		*12/03/2020 12:22*	WG1585391
(S) Tetrachloro-m-xylene	*72.0*			*10.0-139*		*12/03/2020 12:22*	WG1585391

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0127	0.0365	1	12/03/2020 11:21	WG1585391
PCB 1221	U		0.0127	0.0365	1	12/03/2020 11:21	WG1585391
PCB 1232	U		0.0127	0.0365	1	12/03/2020 11:21	WG1585391
PCB 1242	U		0.0127	0.0365	1	12/03/2020 11:21	WG1585391
PCB 1248	U		0.00792	0.0182	1	12/03/2020 11:21	WG1585391
PCB 1254	U		0.00792	0.0182	1	12/03/2020 11:21	WG1585391
PCB 1260	U		0.00792	0.0182	1	12/03/2020 11:21	WG1585391
(S) Decachlorobiphenyl	*88.4*			*10.0-135*		*12/03/2020 11:21*	WG1585391
(S) Tetrachloro-m-xylene	*91.2*			*10.0-139*		*12/03/2020 11:21*	WG1585391

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.9		1	12/02/2020 13:18	WG1585040

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	7.79		0.245	0.589	1	12/02/2020 17:04	WG1584955

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00443	0.0236	1	12/03/2020 12:37	WG1585391
Alpha BHC	U		0.00434	0.0236	1	12/03/2020 12:37	WG1585391
Beta BHC	U		0.00446	0.0236	1	12/03/2020 12:37	WG1585391
Delta BHC	U		0.00408	0.0236	1	12/03/2020 12:37	WG1585391
Gamma BHC	U		0.00405	0.0236	1	12/03/2020 12:37	WG1585391
4,4-DDD	U		0.00436	0.0236	1	12/03/2020 12:37	WG1585391
4,4-DDE	U		0.00431	0.0236	1	12/03/2020 12:37	WG1585391
4,4-DDT	U		0.00739	0.0236	1	12/03/2020 12:37	WG1585391
Dieldrin	U		0.00405	0.0236	1	12/03/2020 12:37	WG1585391
Endosulfan I	U		0.00428	0.0236	1	12/03/2020 12:37	WG1585391
Endosulfan II	U		0.00395	0.0236	1	12/03/2020 12:37	WG1585391
Endosulfan sulfate	U		0.00429	0.0236	1	12/03/2020 12:37	WG1585391
Endrin	U		0.00412	0.0236	1	12/03/2020 12:37	WG1585391
Endrin aldehyde	U		0.00399	0.0236	1	12/03/2020 12:37	WG1585391
Endrin ketone	U		0.00838	0.0236	1	12/03/2020 12:37	WG1585391
Heptachlor	U		0.00504	0.0236	1	12/03/2020 12:37	WG1585391
Heptachlor epoxide	U		0.00399	0.0236	1	12/03/2020 12:37	WG1585391
Hexachlorobenzene	U		0.00408	0.0236	1	12/03/2020 12:37	WG1585391
Methoxychlor	U		0.00570	0.0236	1	12/03/2020 12:37	WG1585391
Chlordane	U		0.121	0.353	1	12/03/2020 12:37	WG1585391
Toxaphene	U		0.146	0.471	1	12/03/2020 12:37	WG1585391
(S) Decachlorobiphenyl	*55.4*			*10.0-135*		*12/03/2020 12:37*	WG1585391
(S) Tetrachloro-m-xylene	*58.4*			*10.0-139*		*12/03/2020 12:37*	WG1585391

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0139	0.0401	1	12/03/2020 11:32	WG1585391
PCB 1221	U		0.0139	0.0401	1	12/03/2020 11:32	WG1585391
PCB 1232	U		0.0139	0.0401	1	12/03/2020 11:32	WG1585391
PCB 1242	U		0.0139	0.0401	1	12/03/2020 11:32	WG1585391
PCB 1248	U		0.00869	0.0200	1	12/03/2020 11:32	WG1585391
PCB 1254	U		0.00869	0.0200	1	12/03/2020 11:32	WG1585391
PCB 1260	U		0.00869	0.0200	1	12/03/2020 11:32	WG1585391
(S) Decachlorobiphenyl	*81.4*			*10.0-135*		*12/03/2020 11:32*	WG1585391
(S) Tetrachloro-m-xylene	*85.3*			*10.0-139*		*12/03/2020 11:32*	WG1585391

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.4		1	12/02/2020 13:18	WG1585040

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	0.331	J	0.106	1.06	5	12/02/2020 11:06	WG1585015
Lead	0.480	J	0.105	2.12	5	12/02/2020 11:06	WG1585015

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00398	0.0212	1	12/03/2020 12:52	WG1585391
Alpha BHC	U		0.00390	0.0212	1	12/03/2020 12:52	WG1585391
Beta BHC	U		0.00401	0.0212	1	12/03/2020 12:52	WG1585391
Delta BHC	U		0.00366	0.0212	1	12/03/2020 12:52	WG1585391
Gamma BHC	U		0.00364	0.0212	1	12/03/2020 12:52	WG1585391
4,4-DDD	U		0.00392	0.0212	1	12/03/2020 12:52	WG1585391
4,4-DDE	U		0.00388	0.0212	1	12/03/2020 12:52	WG1585391
4,4-DDT	U		0.00664	0.0212	1	12/03/2020 12:52	WG1585391
Dieldrin	U		0.00364	0.0212	1	12/03/2020 12:52	WG1585391
Endosulfan I	U		0.00384	0.0212	1	12/03/2020 12:52	WG1585391
Endosulfan II	U		0.00355	0.0212	1	12/03/2020 12:52	WG1585391
Endosulfan sulfate	U		0.00385	0.0212	1	12/03/2020 12:52	WG1585391
Endrin	U		0.00371	0.0212	1	12/03/2020 12:52	WG1585391
Endrin aldehyde	U		0.00359	0.0212	1	12/03/2020 12:52	WG1585391
Endrin ketone	U		0.00753	0.0212	1	12/03/2020 12:52	WG1585391
Heptachlor	U		0.00453	0.0212	1	12/03/2020 12:52	WG1585391
Heptachlor epoxide	U		0.00359	0.0212	1	12/03/2020 12:52	WG1585391
Hexachlorobenzene	U		0.00366	0.0212	1	12/03/2020 12:52	WG1585391
Methoxychlor	U		0.00513	0.0212	1	12/03/2020 12:52	WG1585391
Chlordane	U		0.109	0.318	1	12/03/2020 12:52	WG1585391
Toxaphene	U		0.131	0.424	1	12/03/2020 12:52	WG1585391
(S) Decachlorobiphenyl	*53.9*			*10.0-135*		*12/03/2020 12:52*	WG1585391
(S) Tetrachloro-m-xylene	*59.3*			*10.0-139*		*12/03/2020 12:52*	WG1585391

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0125	0.0360	1	12/03/2020 11:43	WG1585391
PCB 1221	U		0.0125	0.0360	1	12/03/2020 11:43	WG1585391
PCB 1232	U		0.0125	0.0360	1	12/03/2020 11:43	WG1585391
PCB 1242	U		0.0125	0.0360	1	12/03/2020 11:43	WG1585391
PCB 1248	U		0.00782	0.0180	1	12/03/2020 11:43	WG1585391
PCB 1254	U		0.00782	0.0180	1	12/03/2020 11:43	WG1585391
PCB 1260	U		0.00782	0.0180	1	12/03/2020 11:43	WG1585391
(S) Decachlorobiphenyl	*85.7*			*10.0-135*		*12/03/2020 11:43*	WG1585391
(S) Tetrachloro-m-xylene	*92.6*			*10.0-139*		*12/03/2020 11:43*	WG1585391

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.4		1	12/02/2020 13:18	WG1585040

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00421	0.0224	1	12/03/2020 09:28	WG1584713
Alpha BHC	U		0.00412	0.0224	1	12/03/2020 09:28	WG1584713
Beta BHC	U		0.00424	0.0224	1	12/03/2020 09:28	WG1584713
Delta BHC	U		0.00387	0.0224	1	12/03/2020 09:28	WG1584713
Gamma BHC	U		0.00385	0.0224	1	12/03/2020 09:28	WG1584713
4,4-DDD	U		0.00414	0.0224	1	12/03/2020 09:28	WG1584713
4,4-DDE	0.0197	J	0.00409	0.0224	1	12/03/2020 09:28	WG1584713
4,4-DDT	U		0.00701	0.0224	1	12/03/2020 09:28	WG1584713
Dieldrin	U		0.00385	0.0224	1	12/03/2020 09:28	WG1584713
Endosulfan I	U		0.00406	0.0224	1	12/03/2020 09:28	WG1584713
Endosulfan II	U		0.00375	0.0224	1	12/03/2020 09:28	WG1584713
Endosulfan sulfate	U		0.00407	0.0224	1	12/03/2020 09:28	WG1584713
Endrin	U		0.00391	0.0224	1	12/03/2020 09:28	WG1584713
Endrin aldehyde	U		0.00379	0.0224	1	12/03/2020 09:28	WG1584713
Endrin ketone	U	J4	0.00795	0.0224	1	12/03/2020 09:28	WG1584713
Heptachlor	U		0.00479	0.0224	1	12/03/2020 09:28	WG1584713
Heptachlor epoxide	U		0.00379	0.0224	1	12/03/2020 09:28	WG1584713
Hexachlorobenzene	U		0.00387	0.0224	1	12/03/2020 09:28	WG1584713
Methoxychlor	U		0.00541	0.0224	1	12/03/2020 09:28	WG1584713
Chlordane	U		0.115	0.336	1	12/03/2020 09:28	WG1584713
Toxaphene	U		0.139	0.447	1	12/03/2020 09:28	WG1584713
(S) Decachlorobiphenyl	*58.5*			*10.0-135*		*12/03/2020 09:28*	WG1584713
(S) Tetrachloro-m-xylene	*57.6*			*10.0-139*		*12/03/2020 09:28*	WG1584713

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.8		1	12/02/2020 13:18	WG1585040

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.59		0.103	1.03	5	12/02/2020 10:51	WG1585015
Lead	1.73	J O1	0.102	2.07	5	12/02/2020 10:51	WG1585015

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00388	0.0207	1	12/03/2020 13:06	WG1585391
Alpha BHC	U		0.00380	0.0207	1	12/03/2020 13:06	WG1585391
Beta BHC	U		0.00392	0.0207	1	12/03/2020 13:06	WG1585391
Delta BHC	U		0.00357	0.0207	1	12/03/2020 13:06	WG1585391
Gamma BHC	U		0.00355	0.0207	1	12/03/2020 13:06	WG1585391
4,4-DDD	U		0.00382	0.0207	1	12/03/2020 13:06	WG1585391
4,4-DDE	U		0.00378	0.0207	1	12/03/2020 13:06	WG1585391
4,4-DDT	U		0.00648	0.0207	1	12/03/2020 13:06	WG1585391
Dieldrin	U		0.00355	0.0207	1	12/03/2020 13:06	WG1585391
Endosulfan I	U		0.00375	0.0207	1	12/03/2020 13:06	WG1585391
Endosulfan II	U		0.00346	0.0207	1	12/03/2020 13:06	WG1585391
Endosulfan sulfate	U		0.00376	0.0207	1	12/03/2020 13:06	WG1585391
Endrin	U		0.00362	0.0207	1	12/03/2020 13:06	WG1585391
Endrin aldehyde	U		0.00350	0.0207	1	12/03/2020 13:06	WG1585391
Endrin ketone	U		0.00735	0.0207	1	12/03/2020 13:06	WG1585391
Heptachlor	U		0.00442	0.0207	1	12/03/2020 13:06	WG1585391
Heptachlor epoxide	U		0.00350	0.0207	1	12/03/2020 13:06	WG1585391
Hexachlorobenzene	U		0.00357	0.0207	1	12/03/2020 13:06	WG1585391
Methoxychlor	U		0.00500	0.0207	1	12/03/2020 13:06	WG1585391
Chlordane	U		0.106	0.310	1	12/03/2020 13:06	WG1585391
Toxaphene	U		0.128	0.413	1	12/03/2020 13:06	WG1585391
(S) Decachlorobiphenyl	*48.4*			*10.0-135*		*12/03/2020 13:06*	WG1585391
(S) Tetrachloro-m-xylene	*60.4*			*10.0-139*		*12/03/2020 13:06*	WG1585391

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0122	0.0351	1	12/03/2020 11:55	WG1585391
PCB 1221	U		0.0122	0.0351	1	12/03/2020 11:55	WG1585391
PCB 1232	U		0.0122	0.0351	1	12/03/2020 11:55	WG1585391
PCB 1242	U		0.0122	0.0351	1	12/03/2020 11:55	WG1585391
PCB 1248	U		0.00762	0.0176	1	12/03/2020 11:55	WG1585391
PCB 1254	0.909		0.00762	0.0176	1	12/03/2020 11:55	WG1585391
PCB 1260	U		0.00762	0.0176	1	12/03/2020 11:55	WG1585391
(S) Decachlorobiphenyl	*75.4*			*10.0-135*		*12/03/2020 11:55*	WG1585391
(S) Tetrachloro-m-xylene	*76.2*			*10.0-139*		*12/03/2020 11:55*	WG1585391

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.6		1	12/02/2020 12:42	WG1585041

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00385	0.0205	1	12/03/2020 09:41	WG1584713
Alpha BHC	U		0.00377	0.0205	1	12/03/2020 09:41	WG1584713
Beta BHC	U		0.00388	0.0205	1	12/03/2020 09:41	WG1584713
Delta BHC	U		0.00355	0.0205	1	12/03/2020 09:41	WG1584713
Gamma BHC	U		0.00353	0.0205	1	12/03/2020 09:41	WG1584713
4,4-DDD	U		0.00379	0.0205	1	12/03/2020 09:41	WG1584713
4,4-DDE	U		0.00375	0.0205	1	12/03/2020 09:41	WG1584713
4,4-DDT	U		0.00643	0.0205	1	12/03/2020 09:41	WG1584713
Dieldrin	U		0.00353	0.0205	1	12/03/2020 09:41	WG1584713
Endosulfan I	U		0.00372	0.0205	1	12/03/2020 09:41	WG1584713
Endosulfan II	U		0.00343	0.0205	1	12/03/2020 09:41	WG1584713
Endosulfan sulfate	U		0.00373	0.0205	1	12/03/2020 09:41	WG1584713
Endrin	U		0.00359	0.0205	1	12/03/2020 09:41	WG1584713
Endrin aldehyde	U		0.00347	0.0205	1	12/03/2020 09:41	WG1584713
Endrin ketone	U	J4	0.00729	0.0205	1	12/03/2020 09:41	WG1584713
Heptachlor	U		0.00439	0.0205	1	12/03/2020 09:41	WG1584713
Heptachlor epoxide	U		0.00347	0.0205	1	12/03/2020 09:41	WG1584713
Hexachlorobenzene	U		0.00355	0.0205	1	12/03/2020 09:41	WG1584713
Methoxychlor	U		0.00496	0.0205	1	12/03/2020 09:41	WG1584713
Chlordane	U		0.106	0.307	1	12/03/2020 09:41	WG1584713
Toxaphene	U		0.127	0.410	1	12/03/2020 09:41	WG1584713
(S) Decachlorobiphenyl	*62.9*			*10.0-135*		*12/03/2020 09:41*	WG1584713
(S) Tetrachloro-m-xylene	*60.8*			*10.0-139*		*12/03/2020 09:41*	WG1584713

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.8		1	12/02/2020 12:42	WG1585041

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00460	0.0245	1	12/03/2020 10:01	WG1585394
Alpha BHC	U		0.00450	0.0245	1	12/03/2020 10:01	WG1585394
Beta BHC	U		0.00464	0.0245	1	12/03/2020 10:01	WG1585394
Delta BHC	U		0.00423	0.0245	1	12/03/2020 10:01	WG1585394
Gamma BHC	U		0.00421	0.0245	1	12/03/2020 10:01	WG1585394
4,4-DDD	U		0.00453	0.0245	1	12/03/2020 10:01	WG1585394
4,4-DDE	0.0207	J	0.00448	0.0245	1	12/03/2020 10:01	WG1585394
4,4-DDT	U		0.00767	0.0245	1	12/03/2020 10:01	WG1585394
Dieldrin	U		0.00421	0.0245	1	12/03/2020 10:01	WG1585394
Endosulfan I	U		0.00444	0.0245	1	12/03/2020 10:01	WG1585394
Endosulfan II	U		0.00410	0.0245	1	12/03/2020 10:01	WG1585394
Endosulfan sulfate	U		0.00445	0.0245	1	12/03/2020 10:01	WG1585394
Endrin	U		0.00428	0.0245	1	12/03/2020 10:01	WG1585394
Endrin aldehyde	U		0.00415	0.0245	1	12/03/2020 10:01	WG1585394
Endrin ketone	U		0.00870	0.0245	1	12/03/2020 10:01	WG1585394
Heptachlor	U		0.00523	0.0245	1	12/03/2020 10:01	WG1585394
Heptachlor epoxide	U		0.00415	0.0245	1	12/03/2020 10:01	WG1585394
Hexachlorobenzene	U		0.00423	0.0245	1	12/03/2020 10:01	WG1585394
Methoxychlor	U		0.00592	0.0245	1	12/03/2020 10:01	WG1585394
Chlordane	U		0.126	0.367	1	12/03/2020 10:01	WG1585394
Toxaphene	U		0.152	0.489	1	12/03/2020 10:01	WG1585394
(S) Decachlorobiphenyl	*75.2*			*10.0-135*		*12/03/2020 10:01*	WG1585394
(S) Tetrachloro-m-xylene	*68.1*			*10.0-139*		*12/03/2020 10:01*	WG1585394

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.4		1	12/02/2020 12:42	WG1585041

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00445	0.0237	1	12/03/2020 10:13	WG1585394
Alpha BHC	U		0.00436	0.0237	1	12/03/2020 10:13	WG1585394
Beta BHC	U		0.00449	0.0237	1	12/03/2020 10:13	WG1585394
Delta BHC	U		0.00410	0.0237	1	12/03/2020 10:13	WG1585394
Gamma BHC	U		0.00408	0.0237	1	12/03/2020 10:13	WG1585394
4,4-DDD	0.00751	J	0.00438	0.0237	1	12/03/2020 10:13	WG1585394
4,4-DDE	0.0181	J	0.00434	0.0237	1	12/03/2020 10:13	WG1585394
4,4-DDT	U		0.00743	0.0237	1	12/03/2020 10:13	WG1585394
Dieldrin	U		0.00408	0.0237	1	12/03/2020 10:13	WG1585394
Endosulfan I	U		0.00430	0.0237	1	12/03/2020 10:13	WG1585394
Endosulfan II	U		0.00397	0.0237	1	12/03/2020 10:13	WG1585394
Endosulfan sulfate	U		0.00431	0.0237	1	12/03/2020 10:13	WG1585394
Endrin	U		0.00415	0.0237	1	12/03/2020 10:13	WG1585394
Endrin aldehyde	U		0.00402	0.0237	1	12/03/2020 10:13	WG1585394
Endrin ketone	U		0.00842	0.0237	1	12/03/2020 10:13	WG1585394
Heptachlor	U		0.00507	0.0237	1	12/03/2020 10:13	WG1585394
Heptachlor epoxide	U		0.00402	0.0237	1	12/03/2020 10:13	WG1585394
Hexachlorobenzene	U		0.00410	0.0237	1	12/03/2020 10:13	WG1585394
Methoxychlor	U		0.00573	0.0237	1	12/03/2020 10:13	WG1585394
Chlordane	U		0.122	0.355	1	12/03/2020 10:13	WG1585394
Toxaphene	U		0.147	0.474	1	12/03/2020 10:13	WG1585394
(S) Decachlorobiphenyl	*73.3*			*10.0-135*		*12/03/2020 10:13*	WG1585394
(S) Tetrachloro-m-xylene	*70.8*			*10.0-139*		*12/03/2020 10:13*	WG1585394

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.8		1	12/02/2020 12:42	WG1585041

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00410	0.0218	1	12/03/2020 10:25	WG1585394
Alpha BHC	U		0.00401	0.0218	1	12/03/2020 10:25	WG1585394
Beta BHC	U		0.00413	0.0218	1	12/03/2020 10:25	WG1585394
Delta BHC	U		0.00377	0.0218	1	12/03/2020 10:25	WG1585394
Gamma BHC	U		0.00375	0.0218	1	12/03/2020 10:25	WG1585394
4,4-DDD	U		0.00403	0.0218	1	12/03/2020 10:25	WG1585394
4,4-DDE	U		0.00399	0.0218	1	12/03/2020 10:25	WG1585394
4,4-DDT	U		0.00683	0.0218	1	12/03/2020 10:25	WG1585394
Dieldrin	U		0.00375	0.0218	1	12/03/2020 10:25	WG1585394
Endosulfan I	U		0.00396	0.0218	1	12/03/2020 10:25	WG1585394
Endosulfan II	U		0.00365	0.0218	1	12/03/2020 10:25	WG1585394
Endosulfan sulfate	U		0.00397	0.0218	1	12/03/2020 10:25	WG1585394
Endrin	U		0.00381	0.0218	1	12/03/2020 10:25	WG1585394
Endrin aldehyde	U		0.00369	0.0218	1	12/03/2020 10:25	WG1585394
Endrin ketone	U		0.00775	0.0218	1	12/03/2020 10:25	WG1585394
Heptachlor	U		0.00466	0.0218	1	12/03/2020 10:25	WG1585394
Heptachlor epoxide	U		0.00369	0.0218	1	12/03/2020 10:25	WG1585394
Hexachlorobenzene	U		0.00377	0.0218	1	12/03/2020 10:25	WG1585394
Methoxychlor	U		0.00527	0.0218	1	12/03/2020 10:25	WG1585394
Chlordane	U		0.112	0.327	1	12/03/2020 10:25	WG1585394
Toxaphene	U		0.135	0.436	1	12/03/2020 10:25	WG1585394
(S) Decachlorobiphenyl	*71.0*			*10.0-135*		*12/03/2020 10:25*	WG1585394
(S) Tetrachloro-m-xylene	*63.1*			*10.0-139*		*12/03/2020 10:25*	WG1585394

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	12/02/2020 12:42	WG1585041

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00415	0.0221	1	12/03/2020 10:38	WG1585394
Alpha BHC	U		0.00406	0.0221	1	12/03/2020 10:38	WG1585394
Beta BHC	U		0.00418	0.0221	1	12/03/2020 10:38	WG1585394
Delta BHC	U		0.00381	0.0221	1	12/03/2020 10:38	WG1585394
Gamma BHC	U		0.00379	0.0221	1	12/03/2020 10:38	WG1585394
4,4-DDD	U		0.00408	0.0221	1	12/03/2020 10:38	WG1585394
4,4-DDE	U		0.00404	0.0221	1	12/03/2020 10:38	WG1585394
4,4-DDT	U		0.00691	0.0221	1	12/03/2020 10:38	WG1585394
Dieldrin	U		0.00379	0.0221	1	12/03/2020 10:38	WG1585394
Endosulfan I	U		0.00400	0.0221	1	12/03/2020 10:38	WG1585394
Endosulfan II	U		0.00369	0.0221	1	12/03/2020 10:38	WG1585394
Endosulfan sulfate	U		0.00401	0.0221	1	12/03/2020 10:38	WG1585394
Endrin	U		0.00386	0.0221	1	12/03/2020 10:38	WG1585394
Endrin aldehyde	U		0.00374	0.0221	1	12/03/2020 10:38	WG1585394
Endrin ketone	U		0.00784	0.0221	1	12/03/2020 10:38	WG1585394
Heptachlor	U		0.00472	0.0221	1	12/03/2020 10:38	WG1585394
Heptachlor epoxide	U		0.00374	0.0221	1	12/03/2020 10:38	WG1585394
Hexachlorobenzene	U		0.00381	0.0221	1	12/03/2020 10:38	WG1585394
Methoxychlor	U		0.00534	0.0221	1	12/03/2020 10:38	WG1585394
Chlordane	U		0.114	0.331	1	12/03/2020 10:38	WG1585394
Toxaphene	U		0.137	0.441	1	12/03/2020 10:38	WG1585394
(S) Decachlorobiphenyl	*71.9*			*10.0-135*		*12/03/2020 10:38*	WG1585394
(S) Tetrachloro-m-xylene	*65.9*			*10.0-139*		*12/03/2020 10:38*	WG1585394

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	57.5		1	12/02/2020 12:42	WG1585041

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.08		0.174	1.74	5	12/02/2020 11:10	WG1585015

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	U		12.7	69.6	10	12/02/2020 21:43	WG1585052
C22-C32 Hydrocarbons	63.1	J	23.1	69.6	10	12/02/2020 21:43	WG1585052
C32-C40 Hydrocarbons	110		23.1	69.6	10	12/02/2020 21:43	WG1585052
(S) o-Terphenyl	*73.4*			*18.0-148*		*12/02/2020 21:43*	WG1585052

Sample Narrative:

L1290342-24 WG1585052: Cannot run at lower dilution due to viscosity of extract

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00654	0.0348	1	12/03/2020 10:50	WG1585394
Alpha BHC	U		0.00640	0.0348	1	12/03/2020 10:50	WG1585394
Beta BHC	U		0.00659	0.0348	1	12/03/2020 10:50	WG1585394
Delta BHC	U		0.00602	0.0348	1	12/03/2020 10:50	WG1585394
Gamma BHC	U		0.00598	0.0348	1	12/03/2020 10:50	WG1585394
4,4-DDD	U		0.00644	0.0348	1	12/03/2020 10:50	WG1585394
4,4-DDE	0.0103	J	0.00637	0.0348	1	12/03/2020 10:50	WG1585394
4,4-DDT	U		0.0109	0.0348	1	12/03/2020 10:50	WG1585394
Dieldrin	U		0.00598	0.0348	1	12/03/2020 10:50	WG1585394
Endosulfan I	U		0.00631	0.0348	1	12/03/2020 10:50	WG1585394
Endosulfan II	U		0.00583	0.0348	1	12/03/2020 10:50	WG1585394
Endosulfan sulfate	U		0.00633	0.0348	1	12/03/2020 10:50	WG1585394
Endrin	U		0.00609	0.0348	1	12/03/2020 10:50	WG1585394
Endrin aldehyde	0.0494		0.00590	0.0348	1	12/03/2020 10:50	WG1585394
Endrin ketone	U		0.0124	0.0348	1	12/03/2020 10:50	WG1585394
Heptachlor	U		0.00744	0.0348	1	12/03/2020 10:50	WG1585394
Heptachlor epoxide	U		0.00590	0.0348	1	12/03/2020 10:50	WG1585394
Hexachlorobenzene	U		0.00602	0.0348	1	12/03/2020 10:50	WG1585394
Methoxychlor	U		0.00842	0.0348	1	12/03/2020 10:50	WG1585394
Chlordane	U		0.179	0.522	1	12/03/2020 10:50	WG1585394
Toxaphene	U		0.216	0.696	1	12/03/2020 10:50	WG1585394
(S) Decachlorobiphenyl	*55.8*			*10.0-135*		*12/03/2020 10:50*	WG1585394
(S) Tetrachloro-m-xylene	*57.0*			*10.0-139*		*12/03/2020 10:50*	WG1585394

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00400	0.0104	1	12/03/2020 16:14	WG1585386
Acenaphthene	U		0.00364	0.0104	1	12/03/2020 16:14	WG1585386
Acenaphthylene	U		0.00376	0.0104	1	12/03/2020 16:14	WG1585386
Benzo(a)anthracene	0.00315	J	0.00301	0.0104	1	12/03/2020 16:14	WG1585386
Benzo(a)pyrene	0.00491	J	0.00311	0.0104	1	12/03/2020 16:14	WG1585386
Benzo(b)fluoranthene	0.00814	J	0.00266	0.0104	1	12/03/2020 16:14	WG1585386

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	0.00682	J	0.00308	0.0104	1	12/03/2020 16:14	WG1585386
Benzo(k)fluoranthene	U		0.00374	0.0104	1	12/03/2020 16:14	WG1585386
Chrysene	0.00457	J	0.00404	0.0104	1	12/03/2020 16:14	WG1585386
Dibenz(a,h)anthracene	U		0.00299	0.0104	1	12/03/2020 16:14	WG1585386
Fluoranthene	0.00776	J	0.00395	0.0104	1	12/03/2020 16:14	WG1585386
Fluorene	U		0.00357	0.0104	1	12/03/2020 16:14	WG1585386
Indeno(1,2,3-cd)pyrene	0.00525	J	0.00315	0.0104	1	12/03/2020 16:14	WG1585386
Naphthalene	U		0.00710	0.0348	1	12/03/2020 16:14	WG1585386
Phenanthrene	0.00558	J	0.00402	0.0104	1	12/03/2020 16:14	WG1585386
Pyrene	0.00974	J	0.00348	0.0104	1	12/03/2020 16:14	WG1585386
1-Methylnaphthalene	U		0.00781	0.0348	1	12/03/2020 16:14	WG1585386
2-Methylnaphthalene	U		0.00743	0.0348	1	12/03/2020 16:14	WG1585386
2-Chloronaphthalene	U		0.00811	0.0348	1	12/03/2020 16:14	WG1585386
(S) p-Terphenyl-d14	*67.6*			*23.0-120*		*12/03/2020 16:14*	WG1585386
(S) Nitrobenzene-d5	*45.9*			*14.0-149*		*12/03/2020 16:14*	WG1585386
(S) 2-Fluorobiphenyl	*56.9*			*34.0-125*		*12/03/2020 16:14*	WG1585386

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.9		1	12/02/2020 12:42	WG1585041

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.82		0.121	1.21	5	12/02/2020 11:13	WG1585015

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	U		8.84	48.3	10	12/02/2020 21:57	WG1585052
C22-C32 Hydrocarbons	29.9	J	16.0	48.3	10	12/02/2020 21:57	WG1585052
C32-C40 Hydrocarbons	51.0		16.0	48.3	10	12/02/2020 21:57	WG1585052
(S) o-Terphenyl	*90.4*			*18.0-148*		*12/02/2020 21:57*	WG1585052

Sample Narrative:

L1290342-25 WG1585052: Cannot run at lower dilution due to viscosity of extract

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00454	0.0241	1	12/03/2020 11:03	WG1585394
Alpha BHC	U		0.00444	0.0241	1	12/03/2020 11:03	WG1585394
Beta BHC	U		0.00457	0.0241	1	12/03/2020 11:03	WG1585394
Delta BHC	U		0.00417	0.0241	1	12/03/2020 11:03	WG1585394
Gamma BHC	U		0.00415	0.0241	1	12/03/2020 11:03	WG1585394
4,4-DDD	U		0.00446	0.0241	1	12/03/2020 11:03	WG1585394
4,4-DDE	0.0549		0.00442	0.0241	1	12/03/2020 11:03	WG1585394
4,4-DDT	0.0395	C5	0.00757	0.0241	1	12/03/2020 11:03	WG1585394
Dieldrin	U		0.00415	0.0241	1	12/03/2020 11:03	WG1585394
Endosulfan I	U		0.00438	0.0241	1	12/03/2020 11:03	WG1585394
Endosulfan II	U		0.00404	0.0241	1	12/03/2020 11:03	WG1585394
Endosulfan sulfate	U		0.00439	0.0241	1	12/03/2020 11:03	WG1585394
Endrin	U		0.00422	0.0241	1	12/03/2020 11:03	WG1585394
Endrin aldehyde	U		0.00409	0.0241	1	12/03/2020 11:03	WG1585394
Endrin ketone	U		0.00858	0.0241	1	12/03/2020 11:03	WG1585394
Heptachlor	U		0.00516	0.0241	1	12/03/2020 11:03	WG1585394
Heptachlor epoxide	U		0.00409	0.0241	1	12/03/2020 11:03	WG1585394
Hexachlorobenzene	U		0.00417	0.0241	1	12/03/2020 11:03	WG1585394
Methoxychlor	U		0.00584	0.0241	1	12/03/2020 11:03	WG1585394
Chlordane	U		0.124	0.362	1	12/03/2020 11:03	WG1585394
Toxaphene	U		0.150	0.483	1	12/03/2020 11:03	WG1585394
(S) Decachlorobiphenyl	*51.8*			*10.0-135*		*12/03/2020 11:03*	WG1585394
(S) Tetrachloro-m-xylene	*44.2*			*10.0-139*		*12/03/2020 11:03*	WG1585394

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00278	0.00724	1	12/03/2020 13:37	WG1585386
Acenaphthene	U		0.00252	0.00724	1	12/03/2020 13:37	WG1585386
Acenaphthylene	U		0.00261	0.00724	1	12/03/2020 13:37	WG1585386
Benzo(a)anthracene	0.00643	J	0.00209	0.00724	1	12/03/2020 13:37	WG1585386
Benzo(a)pyrene	0.0122		0.00216	0.00724	1	12/03/2020 13:37	WG1585386
Benzo(b)fluoranthene	0.0319		0.00185	0.00724	1	12/03/2020 13:37	WG1585386

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	0.0176		0.00214	0.00724	1	12/03/2020 13:37	WG1585386
Benzo(k)fluoranthene	0.00833		0.00259	0.00724	1	12/03/2020 13:37	WG1585386
Chrysene	0.0162		0.00280	0.00724	1	12/03/2020 13:37	WG1585386
Dibenz(a,h)anthracene	0.00325	J	0.00208	0.00724	1	12/03/2020 13:37	WG1585386
Fluoranthene	0.0139		0.00274	0.00724	1	12/03/2020 13:37	WG1585386
Fluorene	U		0.00247	0.00724	1	12/03/2020 13:37	WG1585386
Indeno(1,2,3-cd)pyrene	0.0171		0.00218	0.00724	1	12/03/2020 13:37	WG1585386
Naphthalene	U	J3	0.00492	0.0241	1	12/03/2020 13:37	WG1585386
Phenanthrene	0.00475	J	0.00279	0.00724	1	12/03/2020 13:37	WG1585386
Pyrene	0.0118		0.00241	0.00724	1	12/03/2020 13:37	WG1585386
1-Methylnaphthalene	U		0.00542	0.0241	1	12/03/2020 13:37	WG1585386
2-Methylnaphthalene	U		0.00515	0.0241	1	12/03/2020 13:37	WG1585386
2-Chloronaphthalene	U		0.00562	0.0241	1	12/03/2020 13:37	WG1585386
(S) p-Terphenyl-d14	*72.5*			*23.0-120*		*12/03/2020 13:37*	WG1585386
(S) Nitrobenzene-d5	*56.5*			*14.0-149*		*12/03/2020 13:37*	WG1585386
(S) 2-Fluorobiphenyl	*62.9*			*34.0-125*		*12/03/2020 13:37*	WG1585386

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.4		1	12/02/2020 12:42	WG1585041

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	8.10		0.105	1.05	5	12/02/2020 11:23	WG1585015

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	7.65	J	3.85	21.0	5	12/02/2020 21:14	WG1585052
C22-C32 Hydrocarbons	30.9		6.97	21.0	5	12/02/2020 21:14	WG1585052
C32-C40 Hydrocarbons	36.3		6.97	21.0	5	12/02/2020 21:14	WG1585052
(S) o-Terphenyl	*87.5*			*18.0-148*		*12/02/2020 21:14*	WG1585052

Sample Narrative:

L1290342-26 WG1585052: Cannot run at lower dilution due to viscosity of extract

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00394	0.0210	1	12/03/2020 11:15	WG1585394
Alpha BHC	U		0.00386	0.0210	1	12/03/2020 11:15	WG1585394
Beta BHC	U		0.00397	0.0210	1	12/03/2020 11:15	WG1585394
Delta BHC	U		0.00363	0.0210	1	12/03/2020 11:15	WG1585394
Gamma BHC	U		0.00361	0.0210	1	12/03/2020 11:15	WG1585394
4,4-DDD	U		0.00388	0.0210	1	12/03/2020 11:15	WG1585394
4,4-DDE	0.0380		0.00384	0.0210	1	12/03/2020 11:15	WG1585394
4,4-DDT	U		0.00658	0.0210	1	12/03/2020 11:15	WG1585394
Dieldrin	U		0.00361	0.0210	1	12/03/2020 11:15	WG1585394
Endosulfan I	U		0.00381	0.0210	1	12/03/2020 11:15	WG1585394
Endosulfan II	U		0.00351	0.0210	1	12/03/2020 11:15	WG1585394
Endosulfan sulfate	U		0.00382	0.0210	1	12/03/2020 11:15	WG1585394
Endrin	U		0.00367	0.0210	1	12/03/2020 11:15	WG1585394
Endrin aldehyde	U		0.00356	0.0210	1	12/03/2020 11:15	WG1585394
Endrin ketone	U		0.00746	0.0210	1	12/03/2020 11:15	WG1585394
Heptachlor	U		0.00449	0.0210	1	12/03/2020 11:15	WG1585394
Heptachlor epoxide	U		0.00356	0.0210	1	12/03/2020 11:15	WG1585394
Hexachlorobenzene	U		0.00363	0.0210	1	12/03/2020 11:15	WG1585394
Methoxychlor	U		0.00508	0.0210	1	12/03/2020 11:15	WG1585394
Chlordane	U		0.108	0.315	1	12/03/2020 11:15	WG1585394
Toxaphene	U		0.130	0.419	1	12/03/2020 11:15	WG1585394
(S) Decachlorobiphenyl	*62.0*			*10.0-135*		*12/03/2020 11:15*	WG1585394
(S) Tetrachloro-m-xylene	*60.1*			*10.0-139*		*12/03/2020 11:15*	WG1585394

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00241	0.00629	1	12/03/2020 14:36	WG1585386
Acenaphthene	U		0.00219	0.00629	1	12/03/2020 14:36	WG1585386
Acenaphthylene	U		0.00227	0.00629	1	12/03/2020 14:36	WG1585386
Benzo(a)anthracene	U		0.00181	0.00629	1	12/03/2020 14:36	WG1585386
Benzo(a)pyrene	U		0.00188	0.00629	1	12/03/2020 14:36	WG1585386
Benzo(b)fluoranthene	U		0.00160	0.00629	1	12/03/2020 14:36	WG1585386

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	U		0.00186	0.00629	1	12/03/2020 14:36	WG1585386
Benzo(k)fluoranthene	U		0.00225	0.00629	1	12/03/2020 14:36	WG1585386
Chrysene	U		0.00243	0.00629	1	12/03/2020 14:36	WG1585386
Dibenz(a,h)anthracene	U		0.00180	0.00629	1	12/03/2020 14:36	WG1585386
Fluoranthene	U		0.00238	0.00629	1	12/03/2020 14:36	WG1585386
Fluorene	U		0.00215	0.00629	1	12/03/2020 14:36	WG1585386
Indeno(1,2,3-cd)pyrene	U		0.00190	0.00629	1	12/03/2020 14:36	WG1585386
Naphthalene	U		0.00428	0.0210	1	12/03/2020 14:36	WG1585386
Phenanthrene	U		0.00242	0.00629	1	12/03/2020 14:36	WG1585386
Pyrene	U		0.00210	0.00629	1	12/03/2020 14:36	WG1585386
1-Methylnaphthalene	U		0.00471	0.0210	1	12/03/2020 14:36	WG1585386
2-Methylnaphthalene	U		0.00448	0.0210	1	12/03/2020 14:36	WG1585386
2-Chloronaphthalene	U		0.00489	0.0210	1	12/03/2020 14:36	WG1585386
(S) p-Terphenyl-d14	*82.6*			*23.0-120*		*12/03/2020 14:36*	WG1585386
(S) Nitrobenzene-d5	*72.3*			*14.0-149*		*12/03/2020 14:36*	WG1585386
(S) 2-Fluorobiphenyl	*74.0*			*34.0-125*		*12/03/2020 14:36*	WG1585386

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.7		1	12/02/2020 12:42	WG1585041

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	7.00		0.104	1.04	5	12/02/2020 11:26	WG1585015

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	7.38		0.766	4.18	1	12/03/2020 14:16	WG1585052
C22-C32 Hydrocarbons	27.1		1.39	4.18	1	12/03/2020 14:16	WG1585052
C32-C40 Hydrocarbons	29.6		1.39	4.18	1	12/03/2020 14:16	WG1585052
(S) o-Terphenyl	*68.3*			*18.0-148*		*12/03/2020 14:16*	WG1585052

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00393	0.0209	1	12/03/2020 11:27	WG1585394
Alpha BHC	U		0.00384	0.0209	1	12/03/2020 11:27	WG1585394
Beta BHC	U		0.00396	0.0209	1	12/03/2020 11:27	WG1585394
Delta BHC	U		0.00361	0.0209	1	12/03/2020 11:27	WG1585394
Gamma BHC	U		0.00359	0.0209	1	12/03/2020 11:27	WG1585394
4,4-DDD	0.00492	J	0.00386	0.0209	1	12/03/2020 11:27	WG1585394
4,4-DDE	0.0354		0.00382	0.0209	1	12/03/2020 11:27	WG1585394
4,4-DDT	U		0.00655	0.0209	1	12/03/2020 11:27	WG1585394
Dieldrin	U		0.00359	0.0209	1	12/03/2020 11:27	WG1585394
Endosulfan I	U		0.00379	0.0209	1	12/03/2020 11:27	WG1585394
Endosulfan II	U		0.00350	0.0209	1	12/03/2020 11:27	WG1585394
Endosulfan sulfate	U		0.00380	0.0209	1	12/03/2020 11:27	WG1585394
Endrin	U		0.00366	0.0209	1	12/03/2020 11:27	WG1585394
Endrin aldehyde	U		0.00354	0.0209	1	12/03/2020 11:27	WG1585394
Endrin ketone	U		0.00743	0.0209	1	12/03/2020 11:27	WG1585394
Heptachlor	U		0.00447	0.0209	1	12/03/2020 11:27	WG1585394
Heptachlor epoxide	U		0.00354	0.0209	1	12/03/2020 11:27	WG1585394
Hexachlorobenzene	U		0.00361	0.0209	1	12/03/2020 11:27	WG1585394
Methoxychlor	U		0.00506	0.0209	1	12/03/2020 11:27	WG1585394
Chlordane	U		0.108	0.313	1	12/03/2020 11:27	WG1585394
Toxaphene	U		0.130	0.418	1	12/03/2020 11:27	WG1585394
(S) Decachlorobiphenyl	*57.6*			*10.0-135*		*12/03/2020 11:27*	WG1585394
(S) Tetrachloro-m-xylene	*58.8*			*10.0-139*		*12/03/2020 11:27*	WG1585394

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00240	0.00627	1	12/03/2020 14:55	WG1585386
Acenaphthene	U		0.00218	0.00627	1	12/03/2020 14:55	WG1585386
Acenaphthylene	U		0.00226	0.00627	1	12/03/2020 14:55	WG1585386
Benzo(a)anthracene	U		0.00181	0.00627	1	12/03/2020 14:55	WG1585386
Benzo(a)pyrene	U		0.00187	0.00627	1	12/03/2020 14:55	WG1585386
Benzo(b)fluoranthene	U		0.00160	0.00627	1	12/03/2020 14:55	WG1585386
Benzo(g,h,i)perylene	U		0.00185	0.00627	1	12/03/2020 14:55	WG1585386
Benzo(k)fluoranthene	U		0.00225	0.00627	1	12/03/2020 14:55	WG1585386
Chrysene	U		0.00242	0.00627	1	12/03/2020 14:55	WG1585386

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dibenz(a,h)anthracene	U		0.00180	0.00627	1	12/03/2020 14:55	WG1585386
Fluoranthene	U		0.00237	0.00627	1	12/03/2020 14:55	WG1585386
Fluorene	U		0.00214	0.00627	1	12/03/2020 14:55	WG1585386
Indeno(1,2,3-cd)pyrene	U		0.00189	0.00627	1	12/03/2020 14:55	WG1585386
Naphthalene	U		0.00426	0.0209	1	12/03/2020 14:55	WG1585386
Phenanthrene	U		0.00241	0.00627	1	12/03/2020 14:55	WG1585386
Pyrene	0.00217	J	0.00209	0.00627	1	12/03/2020 14:55	WG1585386
1-Methylnaphthalene	U		0.00469	0.0209	1	12/03/2020 14:55	WG1585386
2-Methylnaphthalene	U		0.00446	0.0209	1	12/03/2020 14:55	WG1585386
2-Chloronaphthalene	U		0.00487	0.0209	1	12/03/2020 14:55	WG1585386
(S) p-Terphenyl-d14	*81.5*			*23.0-120*		*12/03/2020 14:55*	WG1585386
(S) Nitrobenzene-d5	*71.1*			*14.0-149*		*12/03/2020 14:55*	WG1585386
(S) 2-Fluorobiphenyl	*72.4*			*34.0-125*		*12/03/2020 14:55*	WG1585386

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.2		1	12/02/2020 12:42	WG1585041

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.19		0.105	1.05	5	12/02/2020 11:29	WG1585015

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	11.8	J	7.70	42.0	10	12/03/2020 16:55	WG1585052
C22-C32 Hydrocarbons	137		14.0	42.0	10	12/03/2020 16:55	WG1585052
C32-C40 Hydrocarbons	229		14.0	42.0	10	12/03/2020 16:55	WG1585052
(S) o-Terphenyl	*96.4*			*18.0-148*		*12/03/2020 16:55*	WG1585052

Sample Narrative:

L1290342-28 WG1585052: Cannot run at lower dilution due to viscosity of extract

Pesticides (GC) by Method 8081

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00395	0.0210	1	12/03/2020 11:40	WG1585394
Alpha BHC	U		0.00386	0.0210	1	12/03/2020 11:40	WG1585394
Beta BHC	U		0.00398	0.0210	1	12/03/2020 11:40	WG1585394
Delta BHC	U		0.00363	0.0210	1	12/03/2020 11:40	WG1585394
Gamma BHC	U		0.00361	0.0210	1	12/03/2020 11:40	WG1585394
4,4-DDD	U		0.00389	0.0210	1	12/03/2020 11:40	WG1585394
4,4-DDE	0.0118	J	0.00384	0.0210	1	12/03/2020 11:40	WG1585394
4,4-DDT	U		0.00659	0.0210	1	12/03/2020 11:40	WG1585394
Dieldrin	U		0.00361	0.0210	1	12/03/2020 11:40	WG1585394
Endosulfan I	U		0.00381	0.0210	1	12/03/2020 11:40	WG1585394
Endosulfan II	U		0.00352	0.0210	1	12/03/2020 11:40	WG1585394
Endosulfan sulfate	U		0.00382	0.0210	1	12/03/2020 11:40	WG1585394
Endrin	U		0.00368	0.0210	1	12/03/2020 11:40	WG1585394
Endrin aldehyde	U		0.00356	0.0210	1	12/03/2020 11:40	WG1585394
Endrin ketone	U		0.00747	0.0210	1	12/03/2020 11:40	WG1585394
Heptachlor	U		0.00450	0.0210	1	12/03/2020 11:40	WG1585394
Heptachlor epoxide	U		0.00356	0.0210	1	12/03/2020 11:40	WG1585394
Hexachlorobenzene	U		0.00363	0.0210	1	12/03/2020 11:40	WG1585394
Methoxychlor	U		0.00508	0.0210	1	12/03/2020 11:40	WG1585394
Chlordane	U		0.108	0.315	1	12/03/2020 11:40	WG1585394
Toxaphene	U		0.130	0.420	1	12/03/2020 11:40	WG1585394
(S) Decachlorobiphenyl	*57.7*			*10.0-135*		*12/03/2020 11:40*	WG1585394
(S) Tetrachloro-m-xylene	*58.5*			*10.0-139*		*12/03/2020 11:40*	WG1585394

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00242	0.00630	1	12/03/2020 15:15	WG1585386
Acenaphthene	U		0.00220	0.00630	1	12/03/2020 15:15	WG1585386
Acenaphthylene	U		0.00227	0.00630	1	12/03/2020 15:15	WG1585386
Benzo(a)anthracene	0.00187	J	0.00182	0.00630	1	12/03/2020 15:15	WG1585386
Benzo(a)pyrene	0.00297	J	0.00188	0.00630	1	12/03/2020 15:15	WG1585386
Benzo(b)fluoranthene	0.00429	J	0.00161	0.00630	1	12/03/2020 15:15	WG1585386

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(g,h,i)perylene	0.00358	J	0.00186	0.00630	1	12/03/2020 15:15	WG1585386
Benzo(k)fluoranthene	U		0.00226	0.00630	1	12/03/2020 15:15	WG1585386
Chrysene	0.00279	J	0.00244	0.00630	1	12/03/2020 15:15	WG1585386
Dibenz(a,h)anthracene	U		0.00181	0.00630	1	12/03/2020 15:15	WG1585386
Fluoranthene	0.00338	J	0.00238	0.00630	1	12/03/2020 15:15	WG1585386
Fluorene	U		0.00215	0.00630	1	12/03/2020 15:15	WG1585386
Indeno(1,2,3-cd)pyrene	0.00227	J	0.00190	0.00630	1	12/03/2020 15:15	WG1585386
Naphthalene	U		0.00429	0.0210	1	12/03/2020 15:15	WG1585386
Phenanthrene	0.00317	J	0.00243	0.00630	1	12/03/2020 15:15	WG1585386
Pyrene	0.00425	J	0.00210	0.00630	1	12/03/2020 15:15	WG1585386
1-Methylnaphthalene	U		0.00472	0.0210	1	12/03/2020 15:15	WG1585386
2-Methylnaphthalene	U		0.00448	0.0210	1	12/03/2020 15:15	WG1585386
2-Chloronaphthalene	U		0.00489	0.0210	1	12/03/2020 15:15	WG1585386
(S) p-Terphenyl-d14	*78.7*			*23.0-120*		*12/03/2020 15:15*	WG1585386
(S) Nitrobenzene-d5	*68.4*			*14.0-149*		*12/03/2020 15:15*	WG1585386
(S) 2-Fluorobiphenyl	*71.1*			*34.0-125*		*12/03/2020 15:15*	WG1585386

Method Blank (MB)

(MB) R3599851-1 12/02/20 08:41

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1290342-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1290342-07 12/02/20 08:41 • (DUP) R3599851-3 12/02/20 08:41

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.1	89.8	1	0.789		10

Laboratory Control Sample (LCS)

(LCS) R3599851-2 12/02/20 08:41

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3599850-1 12/02/20 13:18

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

L1290342-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1290342-14 12/02/20 13:18 • (DUP) R3599850-3 12/02/20 13:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	93.2	92.2	1	1.08		10

Laboratory Control Sample (LCS)

(LCS) R3599850-2 12/02/20 13:18

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3599847-1 12/02/20 12:42

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1290342-28 Original Sample (OS) • Duplicate (DUP)

(OS) L1290342-28 12/02/20 12:42 • (DUP) R3599847-3 12/02/20 12:42

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	95.2	95.5	1	0.271		10

Laboratory Control Sample (LCS)

(LCS) R3599847-2 12/02/20 12:42

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3599722-1 12/02/20 15:37

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Lead	U		0.208	0.500

Laboratory Control Sample (LCS)

(LCS) R3599722-2 12/02/20 15:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	99.4	99.4	80.0-120	

L1290342-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1290342-14 12/02/20 15:43 • (MS) R3599722-5 12/02/20 15:51 • (MSD) R3599722-6 12/02/20 15:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	107	6.75	117	117	103	103	1	75.0-125			0.323	20

Method Blank (MB)

(MB) R3599417-1 12/02/20 10:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	1.00
Lead	U		0.0990	2.00

Laboratory Control Sample (LCS)

(LCS) R3599417-2 12/02/20 10:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	96.4	96.4	80.0-120	
Lead	100	99.1	99.1	80.0-120	

L1290342-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1290342-18 12/02/20 10:51 • (MS) R3599417-5 12/02/20 11:00 • (MSD) R3599417-6 12/02/20 11:03

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	20.7	1.59	90.7	89.5	86.2	85.1	5	75.0-125			1.33	20
Lead	20.7	1.73	96.2	95.9	91.4	91.1	5	75.0-125			0.311	20

Method Blank (MB)

(MB) R3599797-1 12/02/20 17:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*82.6*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3599797-2 12/02/20 17:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C22-C32 Hydrocarbons	25.0	20.2	80.8	50.0-150	
C12-C22 Hydrocarbons	25.0	20.8	83.2	50.0-150	
(S) o-Terphenyl			*69.7*	*18.0-148*	

L1289125-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1289125-04 12/02/20 17:52 • (MS) R3599797-3 12/02/20 18:07 • (MSD) R3599797-4 12/02/20 18:21

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C22-C32 Hydrocarbons	24.4	U	19.7	19.0	80.7	77.6	1	50.0-150			3.62	20
C12-C22 Hydrocarbons	24.4	U	20.8	19.6	85.2	80.0	1	50.0-150			5.94	20
(S) o-Terphenyl					*70.8*	*69.6*		*18.0-148*				

Method Blank (MB)

(MB) R3599964-1 12/03/20 09:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aldrin	U		0.00384	0.0204
Alpha BHC	U		0.00376	0.0204
Beta BHC	U		0.00386	0.0204
Delta BHC	U		0.00353	0.0204
Gamma BHC	U		0.00351	0.0204
4,4-DDD	U		0.00377	0.0204
4,4-DDE	U		0.00374	0.0204
4,4-DDT	U		0.00639	0.0204
Dieldrin	U		0.00351	0.0204
Endosulfan I	U		0.00371	0.0204
Endosulfan II	U		0.00341	0.0204
Endosulfan sulfate	U		0.00371	0.0204
Endrin	U		0.00357	0.0204
Endrin aldehyde	U		0.00346	0.0204
Endrin ketone	U		0.00726	0.0204
Heptachlor	U		0.00436	0.0204
Heptachlor epoxide	U		0.00345	0.0204
Hexachlorobenzene	U		0.00353	0.0204
Methoxychlor	U		0.00493	0.0204
Chlordane	U		0.105	0.306
Toxaphene	U		0.126	0.408
(S) Decachlorobiphenyl	*52.8*			*10.0-135*
(S) Tetrachloro-m-xylene	*48.8*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R3599964-2 12/03/20 09:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aldrin	0.0673	0.0306	45.5	34.0-136	
Alpha BHC	0.0673	0.0289	42.9	34.0-139	
Beta BHC	0.0673	0.0276	41.0	34.0-133	
Delta BHC	0.0673	0.0271	40.3	34.0-135	
Gamma BHC	0.0673	0.0296	44.0	34.0-136	
4,4-DDD	0.0673	0.0303	45.0	33.0-141	
4,4-DDE	0.0673	0.0314	46.7	34.0-134	
4,4-DDT	0.0673	0.0308	45.8	30.0-143	
Dieldrin	0.0673	0.0304	45.2	35.0-137	
Endosulfan I	0.0673	0.0303	45.0	34.0-134	

Laboratory Control Sample (LCS)

(LCS) R3599964-2 12/03/20 09:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endosulfan II	0.0673	0.0289	42.9	35.0-132	
Endosulfan sulfate	0.0673	0.0290	43.1	35.0-132	
Endrin	0.0673	0.0311	46.2	34.0-137	
Endrin aldehyde	0.0673	0.0286	42.5	23.0-121	
Endrin ketone	0.0673	0.0233	34.6	35.0-144	J4
Heptachlor	0.0673	0.0300	44.6	36.0-141	
Heptachlor epoxide	0.0673	0.0296	44.0	36.0-134	
Hexachlorobenzene	0.0673	0.0285	42.3	33.0-129	
Methoxychlor	0.0673	0.0286	42.5	28.0-150	
(S) Decachlorobiphenyl			*51.9*	*10.0-135*	
(S) Tetrachloro-m-xylene			*47.0*	*10.0-139*	

L1289157-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1289157-01 12/03/20 10:08 • (MS) R3599964-3 12/03/20 10:21 • (MSD) R3599964-4 12/03/20 10:34

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aldrin	0.0666	U	0.0405	0.0523	60.8	78.5	1	20.0-135			25.4	37
Alpha BHC	0.0666	U	0.0393	0.0508	59.0	76.3	1	27.0-140			25.5	35
Beta BHC	0.0666	U	0.0381	0.0483	57.2	72.5	1	23.0-141			23.6	37
Delta BHC	0.0666	U	0.0371	0.0485	55.7	72.8	1	21.0-138			26.6	35
Gamma BHC	0.0666	U	0.0406	0.0525	61.0	78.8	1	27.0-137			25.6	36
4,4-DDD	0.0666	U	0.0403	0.0531	60.5	79.7	1	15.0-152			27.4	39
4,4-DDE	0.0666	U	0.0410	0.0534	61.6	80.2	1	10.0-152			26.3	40
4,4-DDT	0.0666	U	0.0399	0.0544	59.9	81.7	1	10.0-151			30.8	40
Dieldrin	0.0666	U	0.0407	0.0534	61.1	80.2	1	17.0-145			27.0	37
Endosulfan I	0.0666	U	0.0397	0.0506	59.6	76.0	1	20.0-137			24.1	36
Endosulfan II	0.0666	U	0.0374	0.0485	56.2	72.8	1	15.0-141			25.8	37
Endosulfan sulfate	0.0666	U	0.0378	0.0490	56.8	73.6	1	15.0-143			25.8	38
Endrin	0.0666	U	0.0422	0.0545	63.4	81.8	1	19.0-143			25.4	37
Endrin aldehyde	0.0666	U	0.0363	0.0477	54.5	71.6	1	10.0-139			27.1	40
Endrin ketone	0.0666	U	0.0300	0.0386	45.0	58.0	1	17.0-149			25.1	38
Heptachlor	0.0666	U	0.0407	0.0521	61.1	78.2	1	22.0-138			24.6	37
Heptachlor epoxide	0.0666	U	0.0394	0.0510	59.2	76.6	1	22.0-138			25.7	36
Hexachlorobenzene	0.0666	U	0.0388	0.0500	58.3	75.1	1	25.0-126			25.2	35
Methoxychlor	0.0666	U	0.0368	0.0487	55.3	73.1	1	10.0-159			27.8	40
(S) Decachlorobiphenyl					*63.4*	*84.1*		*10.0-135*				
(S) Tetrachloro-m-xylene					*58.6*	*77.8*		*10.0-139*				

Method Blank (MB)

(MB) R3599802-1 12/03/20 08:27

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aldrin	U		0.00376	0.0200
Alpha BHC	U		0.00368	0.0200
Beta BHC	U		0.00379	0.0200
Delta BHC	U		0.00346	0.0200
Gamma BHC	U		0.00344	0.0200
4,4-DDD	U		0.00370	0.0200
4,4-DDE	U		0.00366	0.0200
4,4-DDT	U		0.00627	0.0200
Dieldrin	U		0.00344	0.0200
Endosulfan I	U		0.00363	0.0200
Endosulfan II	U		0.00335	0.0200
Endosulfan sulfate	U		0.00364	0.0200
Endrin	U		0.00350	0.0200
Endrin aldehyde	U		0.00339	0.0200
Endrin ketone	U		0.00711	0.0200
Heptachlor	U		0.00428	0.0200
Heptachlor epoxide	U		0.00339	0.0200
Hexachlorobenzene	U		0.00346	0.0200
Methoxychlor	U		0.00484	0.0200
Chlordane	U		0.103	0.300
Toxaphene	U		0.124	0.400
(S) Decachlorobiphenyl	*78.7*			*10.0-135*
(S) Tetrachloro-m-xylene	*68.2*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R3599802-2 12/03/20 08:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aldrin	0.0666	0.0379	56.9	34.0-136	
Alpha BHC	0.0666	0.0353	53.0	34.0-139	
Beta BHC	0.0666	0.0341	51.2	34.0-133	
Delta BHC	0.0666	0.0362	54.4	34.0-135	
Gamma BHC	0.0666	0.0364	54.7	34.0-136	
4,4-DDD	0.0666	0.0442	66.4	33.0-141	
4,4-DDE	0.0666	0.0378	56.8	34.0-134	
4,4-DDT	0.0666	0.0396	59.5	30.0-143	
Dieldrin	0.0666	0.0418	62.8	35.0-137	
Endosulfan I	0.0666	0.0381	57.2	34.0-134	

Laboratory Control Sample (LCS)

(LCS) R3599802-2 12/03/20 08:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endosulfan II	0.0666	0.0394	59.2	35.0-132	
Endosulfan sulfate	0.0666	0.0404	60.7	35.0-132	
Endrin	0.0666	0.0396	59.5	34.0-137	
Endrin aldehyde	0.0666	0.0393	59.0	23.0-121	
Endrin ketone	0.0666	0.0419	62.9	35.0-144	
Heptachlor	0.0666	0.0379	56.9	36.0-141	
Heptachlor epoxide	0.0666	0.0387	58.1	36.0-134	
Hexachlorobenzene	0.0666	0.0342	51.4	33.0-129	
Methoxychlor	0.0666	0.0450	67.6	28.0-150	
(S) Decachlorobiphenyl			*62.9*	*10.0-135*	
(S) Tetrachloro-m-xylene			*54.2*	*10.0-139*	

Method Blank (MB)

(MB) R3599984-1 12/03/20 09:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aldrin	U		0.00376	0.0200
Alpha BHC	U		0.00368	0.0200
Beta BHC	U		0.00379	0.0200
Delta BHC	U		0.00346	0.0200
Gamma BHC	U		0.00344	0.0200
4,4-DDD	U		0.00370	0.0200
4,4-DDE	U		0.00366	0.0200
4,4-DDT	U		0.00627	0.0200
Dieldrin	U		0.00344	0.0200
Endosulfan I	U		0.00363	0.0200
Endosulfan II	U		0.00335	0.0200
Endosulfan sulfate	U		0.00364	0.0200
Endrin	U		0.00350	0.0200
Endrin aldehyde	U		0.00339	0.0200
Endrin ketone	U		0.00711	0.0200
Heptachlor	U		0.00428	0.0200
Heptachlor epoxide	U		0.00339	0.0200
Hexachlorobenzene	U		0.00346	0.0200
Methoxychlor	U		0.00484	0.0200
Chlordane	U		0.103	0.300
Toxaphene	U		0.124	0.400
(S) Decachlorobiphenyl	*88.0*			*10.0-135*
(S) Tetrachloro-m-xylene	*81.5*			*10.0-139*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3599984-2 12/03/20 09:36 • (LCSD) R3599984-3 12/03/20 09:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Aldrin	0.0649	0.0657	0.0586	101	88.4	34.0-136			11.4	38
Alpha BHC	0.0649	0.0621	0.0551	95.7	83.1	34.0-139			11.9	38
Beta BHC	0.0649	0.0591	0.0527	91.1	79.5	34.0-133			11.4	37
Delta BHC	0.0649	0.0645	0.0574	99.4	86.6	34.0-135			11.6	38
Gamma BHC	0.0649	0.0630	0.0561	97.1	84.6	34.0-136			11.6	38
4,4-DDD	0.0649	0.0689	0.0615	106	92.8	33.0-141			11.3	39
4,4-DDE	0.0649	0.0630	0.0559	97.1	84.3	34.0-134			11.9	38
4,4-DDT	0.0649	0.0748	0.0668	115	101	30.0-143			11.3	40
Dieldrin	0.0649	0.0633	0.0548	97.5	82.7	35.0-137			14.4	37
Endosulfan I	0.0649	0.0644	0.0570	99.2	86.0	34.0-134			12.2	37

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3599984-2 12/03/20 09:36 • (LCSD) R3599984-3 12/03/20 09:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Endosulfan II	0.0649	0.0621	0.0553	95.7	83.4	35.0-132			11.6	38
Endosulfan sulfate	0.0649	0.0615	0.0552	94.8	83.3	35.0-132			10.8	37
Endrin	0.0649	0.0698	0.0619	108	93.4	34.0-137			12.0	37
Endrin aldehyde	0.0649	0.0540	0.0559	83.2	84.3	23.0-121			3.46	39
Endrin ketone	0.0649	0.0635	0.0564	97.8	85.1	35.0-144			11.8	37
Heptachlor	0.0649	0.0713	0.0633	110	95.5	36.0-141			11.9	37
Heptachlor epoxide	0.0649	0.0642	0.0568	98.9	85.7	36.0-134			12.2	37
Hexachlorobenzene	0.0649	0.0620	0.0546	95.5	82.4	33.0-129			12.7	37
Methoxychlor	0.0649	0.0791	0.0716	122	108	28.0-150			9.95	38
(S) Decachlorobiphenyl				*98.2*	*83.6*	*10.0-135*				
(S) Tetrachloro-m-xylene				*90.3*	*75.9*	*10.0-139*				

Method Blank (MB)

(MB) R3600016-1 12/03/20 08:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*74.9*			*10.0-135*
(S) Tetrachloro-m-xylene	*66.7*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R3600016-2 12/03/20 08:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1260	0.167	0.0956	57.2	37.0-145	
PCB 1016	0.167	0.0954	57.1	36.0-141	
(S) Decachlorobiphenyl			*68.2*	*10.0-135*	
(S) Tetrachloro-m-xylene			*70.6*	*10.0-139*	

L1290170-27 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1290170-27 12/03/20 13:22 • (MS) R3600016-3 12/03/20 13:33 • (MSD) R3600016-4 12/03/20 13:44

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.188	U	0.136	0.144	72.5	76.6	1	10.0-160			5.62	38
PCB 1016	0.188	U	0.186	0.191	98.8	102	1	10.0-160			2.99	37
(S) Decachlorobiphenyl					*73.0*	*76.1*		*10.0-135*				
(S) Tetrachloro-m-xylene					*74.8*	*77.2*		*10.0-139*				

Method Blank (MB)

(MB) R3599855-2 12/03/20 07:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) Nitrobenzene-d5	*71.3*			*14.0-149*
(S) 2-Fluorobiphenyl	*79.0*			*34.0-125*
(S) p-Terphenyl-d14	*90.9*			*23.0-120*

Laboratory Control Sample (LCS)

(LCS) R3599855-1 12/03/20 07:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0652	81.5	50.0-126	
Acenaphthene	0.0800	0.0644	80.5	50.0-120	
Acenaphthylene	0.0800	0.0682	85.3	50.0-120	
Benzo(a)anthracene	0.0800	0.0644	80.5	45.0-120	
Benzo(a)pyrene	0.0800	0.0596	74.5	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0630	78.8	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0615	76.9	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0638	79.8	49.0-125	
Chrysene	0.0800	0.0652	81.5	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0634	79.3	47.0-125	
Fluoranthene	0.0800	0.0647	80.9	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R3599855-1 12/03/20 07:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0713	89.1	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0621	77.6	46.0-125	
Naphthalene	0.0800	0.0623	77.9	50.0-120	
Phenanthrene	0.0800	0.0653	81.6	47.0-120	
Pyrene	0.0800	0.0632	79.0	43.0-123	
1-Methylnaphthalene	0.0800	0.0643	80.4	51.0-121	
2-Methylnaphthalene	0.0800	0.0611	76.4	50.0-120	
2-Chloronaphthalene	0.0800	0.0640	80.0	50.0-120	
(S) Nitrobenzene-d5			*81.2*	*14.0-149*	
(S) 2-Fluorobiphenyl			*84.1*	*34.0-125*	
(S) p-Terphenyl-d14			*92.4*	*23.0-120*	

L1290342-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1290342-25 12/03/20 13:37 • (MS) R3599855-3 12/03/20 13:57 • (MSD) R3599855-4 12/03/20 14:16

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0965	U	0.0483	0.0578	50.0	59.9	1	10.0-145			18.0	30
Acenaphthene	0.0965	U	0.0475	0.0578	49.3	59.9	1	14.0-127			19.5	27
Acenaphthylene	0.0965	U	0.0510	0.0609	52.9	63.1	1	21.0-124			17.7	25
Benzo(a)anthracene	0.0965	0.00643	0.0527	0.0655	48.0	61.2	1	10.0-139			21.6	30
Benzo(a)pyrene	0.0965	0.0122	0.0508	0.0654	40.0	55.1	1	10.0-141			25.1	31
Benzo(b)fluoranthene	0.0965	0.0319	0.0647	0.0883	34.0	58.5	1	10.0-140			30.9	36
Benzo(g,h,i)perylene	0.0965	0.0176	0.0419	0.0554	25.1	39.1	1	10.0-140			27.8	33
Benzo(k)fluoranthene	0.0965	0.00833	0.0514	0.0642	44.6	57.9	1	10.0-137			22.1	31
Chrysene	0.0965	0.0162	0.0563	0.0725	41.6	58.4	1	10.0-145			25.1	30
Dibenz(a,h)anthracene	0.0965	0.00325	0.0382	0.0477	36.3	46.0	1	10.0-132			21.9	31
Fluoranthene	0.0965	0.0139	0.0560	0.0719	43.6	60.1	1	10.0-153			24.9	33
Fluorene	0.0965	U	0.0495	0.0618	51.3	64.0	1	11.0-130			22.1	29
Indeno(1,2,3-cd)pyrene	0.0965	0.0171	0.0467	0.0612	30.6	45.6	1	10.0-137			26.8	32
Naphthalene	0.0965	U	0.0489	0.0702	50.6	72.8	1	10.0-135		J3	35.9	27
Phenanthrene	0.0965	0.00475	0.0500	0.0615	46.8	58.8	1	10.0-144			20.8	31
Pyrene	0.0965	0.0118	0.0530	0.0684	42.6	58.6	1	10.0-148			25.4	35
1-Methylnaphthalene	0.0965	U	0.0487	0.0611	50.5	63.3	1	10.0-142			22.4	28
2-Methylnaphthalene	0.0965	U	0.0473	0.0609	49.0	63.1	1	10.0-137			25.2	28
2-Chloronaphthalene	0.0965	U	0.0478	0.0574	49.5	59.5	1	29.0-120			18.3	24
(S) Nitrobenzene-d5					*50.7*	*59.0*		*14.0-149*				
(S) 2-Fluorobiphenyl					*50.4*	*61.9*		*34.0-125*				
(S) p-Terphenyl-d14					*55.3*	*65.9*		*23.0-120*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

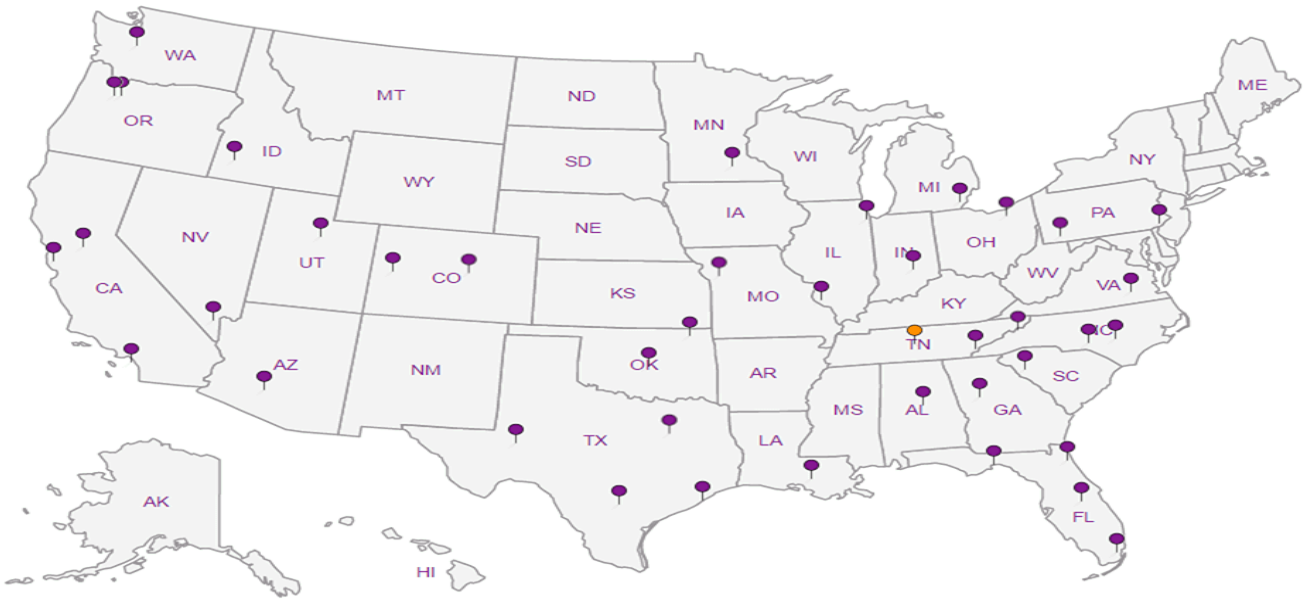
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



McCloskey Consultants Inc

Billing Information:

Pres Chk

Report to: Tom McCloskey / Chris Vertin

Email To:

Project Description: MVHS PEA Sampling

City/State Collected: Mountain View, CA'

Please Circle: (PT) MT CT ET

Phone: 925.786.2667

Client Project #

Lab Project #

Collected by (print): JACOB LEPEDA

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	OCPs (8081A)	PCBs (8082)	Lead (6010)	Arsenic (6020)	Arsenic and Lead (6020)	PAHs (8270 SIM)	TPH Diesel and Motor Oil (8015B)	Remarks	Sample # (lab only)
BP-38	Grab	SS	0-½'	11.24.20	10:08	1	X	X	X						-01
BP-38			2-2½'		10:06		X	X	X						02
BP-39			0-½'		10:28		X	X	X						03
BP-39			4-4½'		10:24		X	X	X						04
BP-40			0-½'		09:59		X	X	X						05
BP-40A			2-2½'		10:04		X	X	X						06
BP-41			0-½'		10:51		X	X	X						07
BP-41			4-4½'		10:56		X	X	X						08
BP-42			0-½		10:41		X	X	X						09
BP-42			2-2½		10:09		X	X	X						10

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 9159 8784 1040

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: X Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: X Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: X Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	11-24-20	13:51		0	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	11.24-20	14:30		1.7-3=1.4 AZ 33	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: / Condition: NCF (OK)
				11/25/2020 10:15	

Chain of Custody Page 1 of 4

Pace Analytical
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1290342
1230

Acctnum:
Template:
Prelogin:
PM:
PB:
Shipped Via:

McCloskey Consultants Inc

Billing Information:

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 4

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Tom McCloskey / Chris Vertin

Email To:

Project Description: MVHS PEA Sampling

City/State Collected: Mountain View, CA

Please Circle: (PT) MT CT ET

Phone: 925.786.2667

Client Project #

Lab Project #

SDG # L1290342

Table #

Collected by (print): JACOB LEREA

Site/Facility ID #

P.O. #

Acctnum:

Template:

Prelogin:

PM:

PB:

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	OCPs (8081A)	PCBs (8082)	Lead (6010)	Arsenic (6020)	Arsenic and Lead (6020)	PAHs (8270 SIM)	TPH Diesel and Motor Oil (8015B)				Remarks	Sample # (lab only)
BP-43	Grab	SS	0-½'	11.24.20	10:44	1	X	X	X									-11
BP-43	"	"	4-4½	"	10:49	"	X	X	X									12
BP-44	"	"	0-½'	"	10:36	"	X	X	X									13
BP-44	"	"	2-2½	"	10:30	"	X	X	X									14
BP-40B	"	"	2-2½	"	10:05	"	X	X	X									15

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other _____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 9159 8744 1040

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		X N
Bottles arrive intact:		X N
Correct bottles used:		X N
Sufficient volume sent:		X N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		X N

Relinquished by : (Signature)	Date: 11-24-20	Time: 13:51	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date: 11.24.20	Time: 14:30	Received by: (Signature)	Temp: 1.7-1.4 °C Bottles Received:	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/25/2020 Time: 10:15	Hold: Condition: NCF / OK

McCloskey Consultants Inc

Billing Information:

Pres Chk

Chain of Custody Page 2 of 4

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Tom McCloskey / Chris Vertin

Email To:

Project Description: MVHS PEA Sampling

City/State Collected: Mountain View, CA'

Please Circle: (PT) MT CT ET

Phone: 925.786.2667

Client Project #

Lab Project #

SDG # L1290342

Collected by (print): Chris Vertin

Site/Facility ID #

P.O. #

Table #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Acctnum:

Template:

Prelogin:

PM:

PB:

Shipped Via:

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	OCPs (8081A)	PCBs (8082)	Lead (6010)	Arsenic (6020)	Arsenic and Lead (6020)	PAHs (8270 SIM)	TPH Diesel and Motor Oil (8015B)	Remarks	Sample # (lab only)
BP-29	Grab	SS	0-½'	11.24.20	13:30	1	X	X			X				-16
BP-29	"	"	2-2½	"	13:31	"	X								17
BP-~~30~~ 31	"	"	0-½'	"	12:00	"	X	X			X				18
BP-~~30~~ 31	"	"	62-2½	"	12:02	"	X								19
B-100 SW	Grab	SS	1-1½'	11.24.20	13:41	1	X								20
B-100 SE	"	"	"	"	13:52	"	X								21
B-100 NW	"	"	"	"	14:04	"	X								22
B-100 NE	"	"	"	"	14:14	"	X								23

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other _____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 9159 8784 1040

Sample Receipt Checklist

COC Seal Present/Intact:	__NP	X Y __N
COC Signed/Accurate:		X Y __N
Bottles arrive intact:		X Y __N
Correct bottles used:		X Y __N
Sufficient volume sent:		X Y __N
If Applicable		
VOA Zero Headspace:		__Y __N
Preservation Correct/Checked:		__Y __N
RAD Screen <0.5 mR/hr:		X Y __N

	Date:	Time:			
Relinquished by: (Signature)	11.24.20	14:30	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.7-3=1.4 °C CR Bottles Received:	If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/25/2020 Time: 10:15	Hold: Condition: NCF / OK

McCloskey Consultants Inc

Billing Information:

Pres Chk

Report to: **Tom McCloskey / Chris Vertin**

Email To:

Project Description: **MVHS PEA Sampling**

City/State Collected: **Mountain View, CA'**

Please Circle: (PT) MT CT ET

Phone: 925.786.2467

Client Project #

Lab Project #

Collected by (print): Chris Vertin

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 4 of 4

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1296342

Table #

Acctnum:

Template:

Prelogin:

PM:

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	OCPs (8081A)	PCBs (8082)	Lead (6010)	Arsenic (6020)	Arsenic and Lead (6020)	PAHs (8270 SIM)	TPH Diesel and Motor Oil (8015B)				Remarks	Sample # (lab only)
AG-1	Grab	SS	0-½'	11.24.20	13:29	2	X			X		X	X					24
AG-2	"	"	"	"	12:15	"	X			X		X	X					25
AG-3A	"	"	"	"	11:37	"	X			X		X	X					26
AG-3B	"	"	"	"	11:39	"	X			X		X	X					27
AG-4	"	"	"	"	11:40	"	X			X		X	X					28

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other _____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 9159 8784 1040

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		X N
Bottles arrive intact:		X N
Correct bottles used:		X N
Sufficient volume sent:		X N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		X N

	Date:	Time:			
Relinquished by: (Signature)	11/24/20	14:30	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.7-3=1.4 °C Bottles Received:	If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/25/2020 Time: 10:15	Hold: / Condition: NCF / OK

L1290342

Pace Analytical®
National Center for Testing & Innovation

CA Regulated Soil Notification

USDA / APHIS regulates material with organic matter, including soil, from specific counties that have invasive species, pests, or plant diseases present in the county. In order to process your project, we need to determine if special handling applies to your project.

Any soils received without this completed form cannot be received or processed until the site address is confirmed.

Receipt of Soils from California:

Are samples soil or other regulated material?

☒ Yes ☐ No If no, matrix description: _____

County

☐ Alameda ☐ Contra Costa ☐ Humboldt ☐ Lake ☐ Los Angeles* ☐ Marin
☐ Mendocino ☐ Monterey ☐ Napa ☐ Orange* ☐ Riverside* ☐ San Francisco
☐ San Mateo ☒ Santa Clara ☐ Santa Cruz ☐ Solano ☐ Sonoma ☐ Trinity

Other (specify): _____

(If soils are from one of the 18 counties specified above, the site address is required.)

Site Address: 1299 Bryant Ave 3535 Truman Ave Mountain View CA

* Fire Ant and ** Fruit Fly quarantines may be partial county quarantines. The site address must be checked against APHIS interactive maps to determine if the site is within the quarantine area.

To be completed by Pace National:

Client: _____

Lab ID (if applicable): _____

Are Samples Regulated? ☐ No ☐ Yes

Regulated for? ☐ Phytophthora Ramorum ☐ Fire Ants ☐ Fruit Flies**

Amount of soil received: ~_____ grams

Received on: _____

Will any analysis be done at another lab? ☐ Yes ☐ No

If yes, complete the following for each lab that will receive the regulated samples:

Receiving Lab	Amount shipped	**Receiving lab notified soils are regulated? Shipment sent with receiving lab's Compliance Agreement?**
	~ g	Yes _____ (initial / date)
	~ g	Yes _____ (initial / date)
	~ g	Yes _____ (initial / date)
	~ g	Yes _____ (initial / date)

** Soils cannot be transferred to another destination without a PPQ 530 form. Contact Jordan Krug at Jordan.d.krug@aphis.usda.gov.

Initial / date after a copy of form has been sent to Anthony Jackson, USDA APHIS PPQ _____

Appendix E

Site Photos

Appendix E
PEA Photographic Log – Mountain View High School Expansion

Coring Southern Side of 100 Block

North Side of 200 Block

Area Between Southern Side 200 and Northern Side 300 Block Buildings

Area Between Southern Side of 300 Block and Northern Side of Gymnasium

Appendix E
PEA Photographic Log – Mountain View High School Expansion

Western Side of Gymnasium – Facing West

Western Side of Cafeteria – Facing Northwest

Sampling Southern Side of Cafeteria

Hand Sampling AG-2 Southern Western Side of Freestyle Academy

Appendix E
PEA Photographic Log – Mountain View High School Expansion

Drilling NOA -8 Central Portion of the Freestyle Academy

New Classrooms in the Central Portion of the MVHS – Facing West – Nearing BP-41

Landscaping on the Cental Portion of the Freestyle Academy – Facing North - Sampling Locations BP-33

Eastern Side of Central Portion of MVHS Facing North – Sampling Location BP-43